SpaceLogic KNX

Home and building automation solutions

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Life Is On | Schneider Electric

Discover KNX

A leading home and building automation system

The trend towards comfort and flexibility in managing lighting, shutters, heating or cooling in both residential and commercial spaces is on the rise, accompanied by a growing concern for energy efficiency. As a result, automation has become a necessary element for creating a comfortable, sustainable, and secure environment in which people can live and work.

To achieve the ultimate level of convenience, safety, and energy efficiency, intelligent control and monitoring of all the products involved is required – this is where KNX comes in.

KNX is an open protocol that eliminates the issues posed by isolated devices by ensuring that all components communicate through one common language. It no longer matters which devices you wish to use. Whether you need to control lighting, shutters, security systems, energy management, heating, ventilation, air-conditioning systems, signaling and monitoring systems, interfaces to service and building control systems, remote control, audio and video control, all these functions can work through a uniform system known as the principle of interworking. This makes home and building control easy, thanks to KNX.

For over thirty years, KNX has been a global, open standard on the market. With more than 500 members and over 8,000 certified products, KNX represents a future-proof, secure and reliable automation solution for smart homes and buildings.

KNX allows for efficient energy use, a secure environment, and convenient living and working spaces that adapt to individual preferences and lifestyles. KNX is the way forward for those who value convenience, sustainability, and safety in their homes and offices.

30 Years
500 Manufacturers
8.000 Certified Products
One Standard – Worldwide

1 worldwide standard

Operating as a global standard for over **30 years**

500+ members

8000+ certified products

SpaceLogic KNX – Empowering connected spaces

The history of Schneider Electric and KNX started in 2006 when Merten - a founding member of KNX - was incorporated. Years of experience and innovative developments have characterized Schneider Electric's KNX product portfolio ever since.

In addition to the need for comfort and flexibility, rising energy prices are playing an increasingly important role. Energy monitoring and intelligent energy management are of crucial importance for residents and operators of buildings. This is where Schneider Electric comes into play with its extensive experience as an energy specialist. As a partner for sustainability, digitization and efficiency, we drive digital transformation by integrating world-leading process and energy technologies that connect products, controls, software and services across the entire lifecycle and enable integrated management for smart homes and commercial buildings.

For our partners, SpaceLogic KNX means their customers get advanced technology that enhances safety, comfort, simplicity, and profitability. The solutions are easy to install and set up. Additionally, for residential projects, customers enjoy a personalized, complete smart home system that is flexible and easy to operate.

Partners/professionals

- Smart building features that go beyond energy efficiency
- Easy to design, configure, and commission
- Simple installation
- Suitable for a variety of buildings from large office complexes to residential

End users

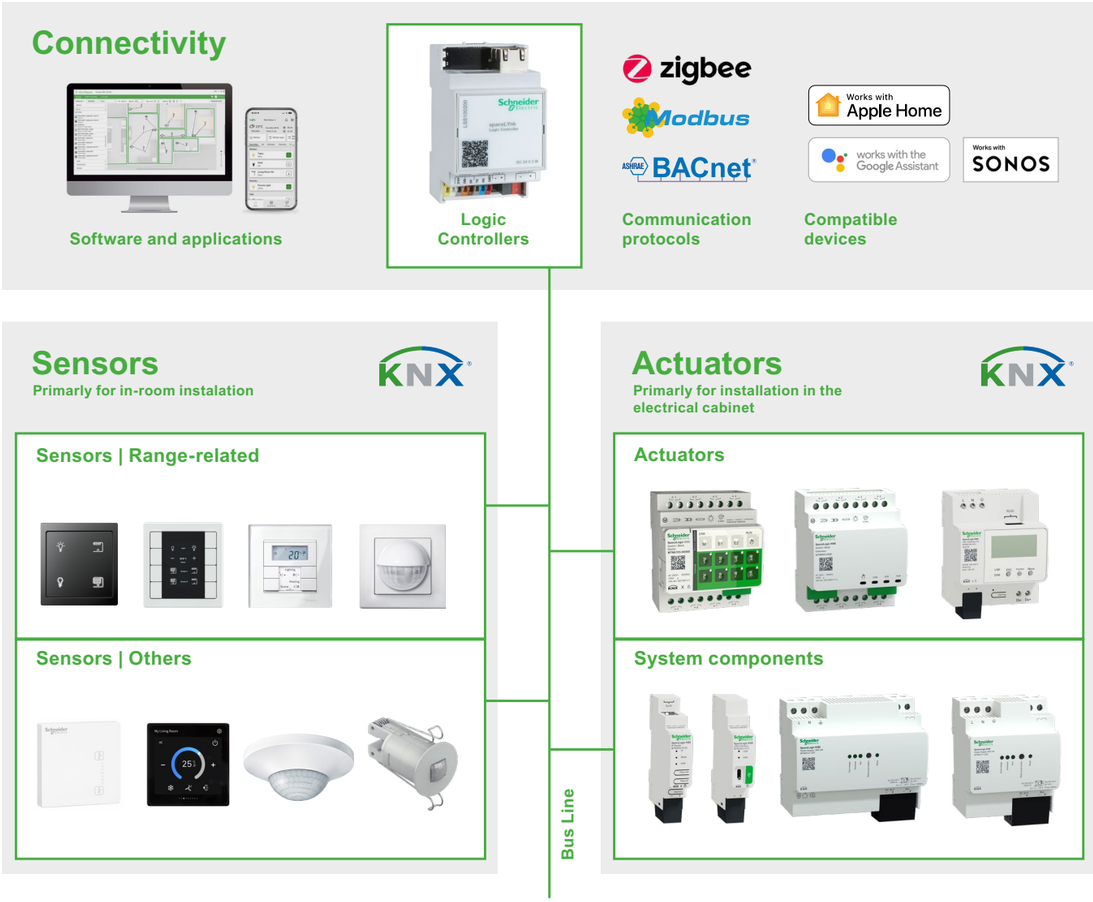
- Future-ready solutions that are easy to operate
- Upgradability with regular software and firmware updates
- Scalability with the ability to connect each future installation through SpaceLogic KNX

A complete KNX System

SpaceLogic KNX consists of a range of products and solutions to create one comprehensive system.

- **Sensors** – the eyes and ears of the system, collecting information for the system to feed to the actuators,
- **Actuators** – the brains of the KNX system, SpaceLogic KNX actuators turn data into actions,
- **System components** – feeds the right level of power to devices connected to the system,
- **Connectivity** – with EcoStruxure™ Building solutions for remote control and monitoring, and integration with third-party systems.

SpaceLogic KNX system architecture



Our solutions for homes and buildings

SpaceLogic KNX from Schneider Electric provides interoperable, modular, future-ready solutions. Flexible SpaceLogic KNX system gives our customers everything they are looking for, responding to real estate developers, building operators, tenants and home owners' needs and demands.

Home automation with SpaceLogic KNX

SpaceLogic KNX is not only a state-of-the-art home automation solution that enables controlling and managing any space, but also emphasizes energy efficiency. For example, it can manage EV electric car charges through smart load management to help reduce energy costs.

The Wiser KNX app allows to manage all KNX functions, like energy, heating and cooling, safety, lighting, and shutters, directly from a smartphone. With its intuitive and clear design, it brings the smart home experience to the fullest.

It also adds interoperability on top of its connectivity, letting users integrate products from third-party and other protocols as well as non-KNX products and systems such as Sonos, Apple, Amazon, and Google voice assistant, and many, many more.

Building automation with KNX

SpaceLogic KNX can be scaled to fit the needs of commercial buildings from small to large size. It offers solutions that can be tailored to the specific needs of the building, providing efficient control, monitoring, and automation of different systems.

Seamlessly integrated with EcoStruxure, our IoT-enabled, plug-and-play, open, interoperable architecture and platform, it can bring additional functionalities for all kinds of projects, from healthcare to retail, including:

- Greater convenience through automated, managed, and remotely-controlled functions.
- Integrated services like critical equipment monitoring and fault alarms that help avoid unplanned maintenance,costly downtime, and reputational risk.
- Predictive maintenance to help ensure maximum uptime and protect people and property.

Simplicity across the whole lifecycle

The SpaceLogic KNX range features powerful products and software that work seamlessly together. Its simplicity allows for greater flexibility across the system, with devices that are:

Easy to manage and maintain

From the beginning, SpaceLogic KNX solutions are easy to plan, install and operate, flexible to cope with more demanding needs, and future-ready for your peace of mind, and your customers'. SpaceLogic KNX is furthermore easy to diagnose – diagnostic information is provided in the products.

More reliable

Built with a focus on quality and commitment to cybersecurity, SpaceLogic KNX helps you make your projects more reliable and future-proof.

Energy efficient

KNX helps save energy by enabling intelligent control and automation of devices in a building based on occupancy, schedules, and environmental conditions. It also allows for integration, coordination, and monitoring of energy-consuming systems, optimizing their usage for maximum efficiency.

Backed by expert support

SpaceLogic KNX solutions benefit from Schneider Electric's extensive support system. You get access to experienced experts through the call center and expanded knowledge via online training programs.

Delivering KNX solutions has never been easier

When we develop products and solutions, our customers and partners are our top priority. Our focus lies in creating products that are effortlessly planned, configured, and installed. With the support of software, tools, and apps for integrators, partners, and end customers, SpaceLogic KNX presents a comprehensive and meticulously designed portfolio for all KNX installations. Our flexible solutions and modular products streamline the planning process and simplify commissioning. Furthermore, SpaceLogic KNX seamlessly integrates into other automation systems or building management systems. Our KNX solutions evolve alongside our customers' needs, allowing for easy expansion and adaptation to new requirements with minimal time and financial investment.

KNX is:

- Easy to specify, install, put into operation and maintain.
- Flexible and open.
- Future-proof and expandable.
- Secure certified.

KNX Secure

In today's digital world, no communication technology is immune to hackers, and this includes home and building automation systems. Without proper protection, these systems can become a weak link in any installation. That's why KNX Association has taken strong measures to ensure the security of its systems, including the implementation of KNX Secure.

With KNX, you can rest assured that your home or building automation is secure. Our technology adheres to all necessary security regulations and standards:

- Standardized according to EN 50090-3-4 – which means, that KNX successfully blocks hacker attacks on the digital infrastructure of networked buildings.
- ISO 18033-3, utilizing AES 128 CCM encryption - the highest encryption standards to effectively prevent attacks on the digital infrastructure of buildings and to achieve the highest level of data protection.

KNX Secure offers double protection to guarantee maximum security

KNX IP Secure: the IP protocol is extended to encrypt all transferred telegrams and data, providing an additional layer of defense.

KNX Data Secure: safeguards user data from unauthorized access and manipulation through encryption and authentication.

With KNX Secure, our customers can confidently embrace the potential of smart building automation, knowing that their system is fortified against cyber threats. Protecting the digital infrastructure and ensuring the highest level of data security is our priority. That's why we are implementing step by step KNX Secure in all our KNX products.

Manage energy

KNX helps in saving energy through its various features and capabilities.

Intelligent control

KNX allows for intelligent control of devices and systems in a building. It enables automation and optimization of energy-consuming processes, such as lighting, heating, ventilation, and air conditioning (HVAC), based on factors like occupancy, time schedules, and environmental conditions. This ensures that energy is used efficiently and only when needed.

Energymonitoring and analysis

KNX supports energy monitoring and analysis by providing real-time data on energy usage. This data can be collected and analyzed to identify patterns, trends, and areas of high energy consumption. With this information, building managers can make informed decisions to optimize energy usage and identify opportunities for energy savings.

Future-proof and flexible

KNX is flexible and scalable, allowing for easy adaptation and expansion of the automation system. As energy-saving technologies evolve, new devices and systems can be integrated into the KNX network, ensuring that the building stays up-to-date with the latest energy-efficient solutions.

A proven solution from a trusted partner

Schneider Electric provides a complete range of KNX solutions, designed to work seamlessly together with the added benefits of simplicity, flexibility, and reliability.

Experience

Schneider Electric has been developing KNX products for 30 years, setting a solid foundation for the latest innovative technology. Through the decades, we have kept a close eye on how customers' needs have evolved - and we have evolved our portfolio to keep up.

Recognized leadership

Schneider Electric has a strong commitment to innovation, sustainability, and digital transformation. Our comprehensive range of energy management and automation solutions caters to diverse customer needs, providing efficiency, reliability, and sustainability. Additionally, we focus on developing eco-friendly technologies and social responsibility making us one of the most sustainable companies across the world.

Support

Schneider Electric has an extensive team of experts waiting to answer any questions you may have via the Schneider Customer Care Centre. Numerous trainig courses are available to our customers.

Our SpaceLogic KNX offer

Schneider Electric's KNX offer includes a comprehensive range of products and solutions designed to enable efficient and sustainable building automation. With a wide selection of KNX compatible devices, intuitive programming tools, and advanced management software, our KNX offer empowers users to create smart, energy-efficient buildings with seamless integration and control over lighting, HVAC, security, and more.

All the devices for a KNX installation are connected together by a bus, thus allowing them to exchange data. The function of the individual bus devices is determined by their project planning, which can be changed and adapted at any time.

Comprising sensors, actuators, system devices, apps, and software, SpaceLogic KNX provides scalable solutions for both residential and commercial spaces. Schneider Electric offers tailored solutions for every application. Through Wiser for KNX, the KNX Hybrid solution and the Wiser KNX app, homeowners can access smart solutions for enhanced comfort, security, and energy efficiency. Additionally, our spaceLYnk, BMS IP Gateway, and DALI Gateway facilitate seamless integration of building automation systems in small, midsize, and complex ecostructure architectures.

Actuators

They receive data which are then converted into actions. This can include controlling blinds, dimming lights or controlling heating and air conditioning systems.

Switch / Blind Master

Switch / Blind Extension

Dimmer Master

Dimmer Extension

KNX Heating Actuator

System devices and components

They are needed for the fundamental functioning of the system. They consist of power supply units for generating bus voltage, couplers for connecting bus segments and interfaces for connecting programming devices.

Wiser for KNX Logic Controller

spaceLYnk Logic Controller

Power Supply

KNX BMS IP Gateway

KNX Hybrid Module

KNX IP Router

Sensors

These are the starting point for every action, because they gather information and send it on the bus as a data telegram. This can be information about room temperatures, movements, wind measurements or manually input instructions.

KNX Push-button Dynamic Labeling

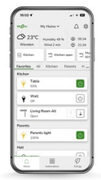
KNX 4" Touch Unit

Movement Detector

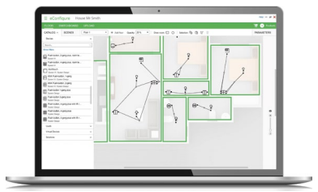
Room Temperature Control Unit

Presence detector

Software and apps



Wiser KNX App



eConfigure KNX

SpaceLogic actuators

SpaceLogic KNX actuators bring modularity and user-friendliness to KNX projects and systems. The SpaceLogic KNX actuators are easy to select, configure, and commission, saving our partners time and money in planning, installation, and maintenance.

Schneider Electric's SpaceLogic KNX actuators are quickly adaptable using a master/extension concept and scalable to changing project requirements without affecting the KNX topology itself. These devices bring greater reliability to smart building systems.

Planning:

- Universal functions
- Uniform sizes simplify planning
- Compact size: 1 x Master + 2 x Extension >> 12 TE with up to 24 channels
- Simplified offer, less commercial references

Installation:

- Modular concept of Master and Extension
- Tool-free installation
- Intuitive and fast

Operation:

- Less space needed
- Less energy consumption

Maintenance:

- Simple firmware update
- Extensions can be replaced without ETS programming
- KNX Secure
- Diagnostic information about product via KNX

Master - Extension concept

The flexible and time-saving modular concept of the new SpaceLogic KNX switch, blind, and dimming actuators from Schneider Electric will convince you.

Each master device can control up to 2 extensions. These are simply placed next to the master or offset on the DIN rail and connected without tools via the connection module. The addressing of the extensions is done automatically in the master. Therefore, all 3 devices are programmed exclusively in the ETS application of the master.

The masters not only control the extensions but also supply them with power. Further time-consuming wiring is no longer necessary here as well. When a master is connected to one or two extensions, a compatibility check is automatically performed. If all compatibility points are met, the master then loads the application onto the extension.

Master Extension combinations	
SpaceLogic KNX Switch / Blinds	SpaceLogic KNX Dimmer
1 x SpaceLogic KNX Switch / Blind Master 2 x SpaceLogic KNX Switch / Blind extension	1 x SpaceLogic KNX Dimmer Master 2 x SpaceLogic KNX Dimmer Extension or 2 x SpaceLogic KNX Switch / Blind Extension

Connection via KNX cable
- Tool-free
- Firmware updates and diagnostics
- QR code for technical information

Connection module or cable
- Connects Master and Extension
- Tool-free, plug and play

Master	Extension	Extension	Total
Incl. 8 switch / 4 blind channels	Plus 8 switch / 4 blind channels	Plus 8 switch / 4 blind channels	24 switch / 12 blind channels

Wiser for KNX

Wiser for KNX provides a user-friendly interface and intuitive programming tools, making it easy for customers to manage and control their building systems. It offers a wide range of features and functionalities, including lighting control, HVAC control, shading control, energy monitoring, and more.
With Wiser for KNX, customers can create personalized automation scenarios, set schedules, and adjust settings according to their preferences. The system also supports remote access, allowing users to monitor and control their building systems from anywhere via a mobile app or web portal. Wiser for KNX is designed to optimize energy efficiency, improve occupant comfort, and enhance overall building performance. It offers seamless integration with other Schneider Electric products and systems, enabling customers to build a comprehensive, scalable, and future-proof building automation solution.

- IP connection for communication in BACnet server 150 points, modbus, KNX, and Web services. It also grants access to the Web server to configure and display the graphical user interface
- USB port
- RS485 connection to link with any Modbus device
- KNX connection for communication with KNX
- RS232 connection for Hybrid module to extend / enrich by Zigbee devices

One controller, many options

Wiser for KNX unlocks a comprehensive solution, delivering limitless flexibility, simplicity, and efficiency. This versatile system can be implemented in various ways, allowing for tailored and seamless integration.

Gateway

As a gateway, Wiser for KNX enables the communication and integration of various products and functions for building control such as light, blinds and heating

User interface

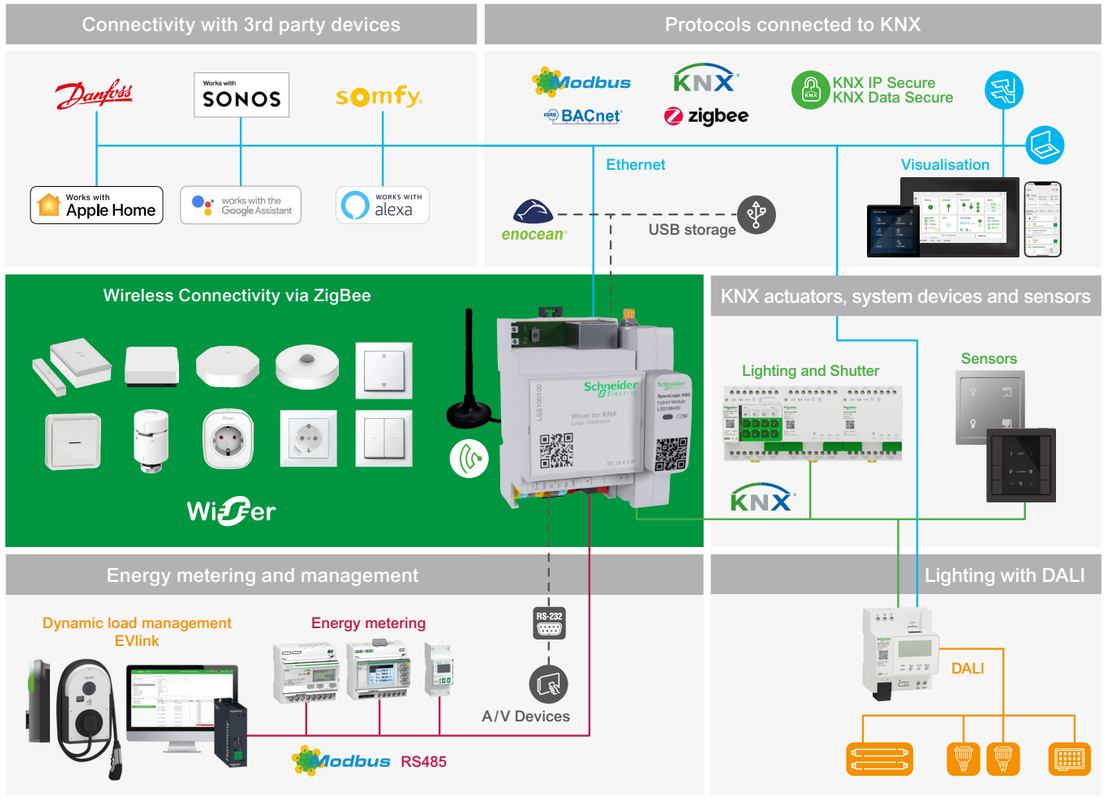
As a user interface - based on a web server application - all functions can be controlled and displayed on local and mobile devices such as tablets or smartphones

Monitoring

Wiser for KNX can display gas, water and electricity readings and monitors consumption on a daily, monthly and annual basis. It stores and analyzes data and can therefore determine energy saving potential and increase the energy efficiency of a building.energy saving potential and increase the energy efficiency of a building.

Event controller

Wiser for KNX can also serve as an event controller, sending a notification/message in the event of an error or failure.



KNX Hybrid solution

Upgrade KNX installations effortlessly, without the need to replace existing cables. Whether renovation or building a new house, futureproofing the home has never been easier with the innovative SpaceLogicKNX Hybrid solution.

With the introduction of the KNX Hybrid module, Schneider Electric's Wiser wireless products can seamlessly be intregrated into the Wiser for KNX or spaceLYnk controllers. This integration allows to expand the capabilities of KNX installation and unlock a whole new level of functionality.

The SpaceLogicKNX Hybrid solution provides a convenient and cost-effective way to enhance home automation system. By combining the power of wired KNX technology with the flexibility of wireless connectivity, areas that were previously difficult to reach can be controlled.

The best of both worlds

The Hybrid solution unlocks a world of endless possibilities for living or working space. With this innovative solution, customers enjoy unparalleled comfort, remarkable energy efficiency, and a truly intelligent environment. Whether they prefer the reliability and flexibility of KNX or the wireless convenience of Wiser, our hybrid solution offers the perfect synergy, bringing together the strengths of both technologies. Say goodbye to limitations and embrace a new era of smart buildings!

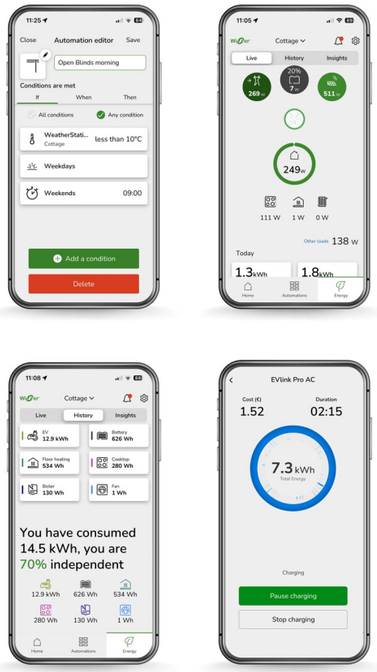
Easy installation

The KNX Hybrid module is installed in the cabinet and can be connected with the Wiser for KNX and the spaceLYnk controller. It comes with the connection cable and an external antenna, that is placed outside the cabinet to provide the best connection / signal.

Now you can connect Wiser components to the KNX system.
They are detected and added automatically to the Wiser for KNX.
The configuration can be done via plugin which is available on marketplace or via eConfigure KNX.

Wiser KNX App

Operating the KNX Smart Home manually, automatically or via voice control? Managing the home in a more convenient and personalized way? The new Wiser KNX app addresses the needs of our customers and takes the smart home experience to a new level.



All-in-one app

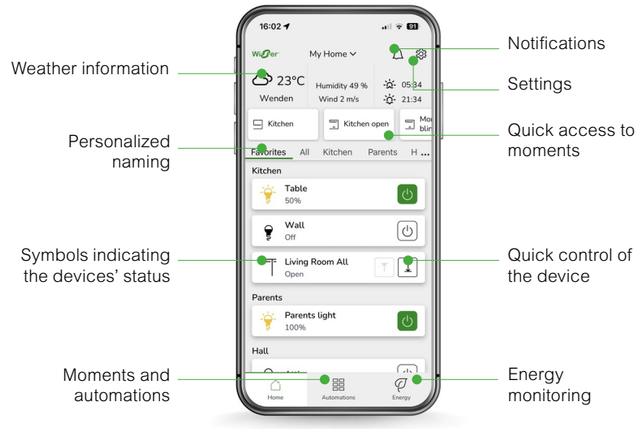
The Wiser KNX app allows to manage all KNX functions, like energy, heating and cooling, safety, lighting, and shutters, directly from the smartphone:

- Lights, blinds, heating, cooling, etc.
- Advanced schedules
- Moments (scenes) and automations
- Energy awareness
- EV support
- Device's notifications
- Home Management (multi-site)

Intuitive user interface

The Wiser KNX app brings the smart home experience to the fullest thanks to its simple, clear and intuitive design. It provides a clearly structured overview of all rooms, devices and moments. The app delivers the flexibility to control all KNX devices, create schedules, moments or automations. All is fully aligned with personal needs and customized.

- All important functions in one view
- Bold symbols
- Clear layout
- Individual, personalized naming
- Quick access to your other homes



Maximize comfort

Personalized "Moments" for all kinds of scenarios and situations can be created in any home. A "Moment" enables to set a specific scene – for example a "Movie Moment" can dim the lights and close the shutters. Moments can be activated manually, or through an automation.

Peace of mind

The Wiser KNX app notifies of abnormal events such as high humidity, smoke, water leakage, unexpected motion, or unusually high energy use, so actions can be taken before the events turn into costly emergencies.

Reduce energy bills

With energy costs on the rise, knowing how is used is key to optimizing energy bills. The Wiser KNX app provides real-time information on electricity consumption and equipment status helping to maximize savings.

Flexible and future-proof

No need to worry changing needs. Moments or schedulers can be easily adapted. New devices, such as Wiser free located switches or can be added with the Hybrid module.

spaceLYnk

spaceLYnk is the key to a complete building management solution in small and medium-sized buildings as well as in large buildings. The spaceLYnk serves multiple functions for building control, consumption and energy monitoring, or as a logic module and event controller.
As a gateway, the device enables communication between various building management protocols, ensuring the easy integration of a wide range of products and functions. All functions can be displayed and controlled through the user interface, locally and on mobile devices. Gas, electricity, and water measurements are clearly displayed and monitored on a daily, monthly, or yearly basis. The spaceLYnk stores and analyzes all data, identifying possible energy-saving potentials and thus contributing to more energy efficiency in the building.

A multitude of options

spaceLYnk is the key to provide a complete solution, delivering unlimited flexibility, simplicity and efficiency. spaceLYnk can be used in several ways.

Flexibility

spaceLYnk connects different home automation systems

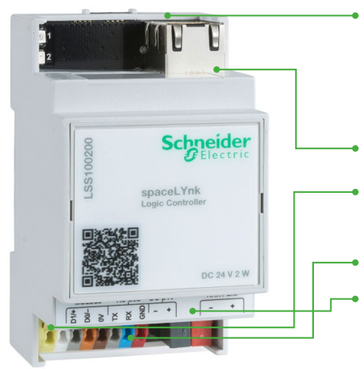
Gateway
As gateway, it allows communication and interoperation of different building control products and functions like lighting, blinds and heating. Thanks to this function, KNX lighting management can be simply integrated into the central BMS.

User interface
As user interface – based on a web server application – all functions can be controlled and be displayed on local and mobile devices such as tablet PCs or smartphones.

Memory function
spaceLYnk is able to display measurement of gas, water and electricity and monitors the consumption on a daily, monthly and yearly basis. It stores and analyses data; this allows to identify energy-saving potentials, thus in creasing the Energy Efficiency of a building.

Logic controller
Advanced logic functions are possible in order to optimize energy efficiency and comfort.

Event controller
And finally as an event controller, which sends a notification/message in case of any failure or issue.



- IP connection for communication in BACnet server 2000 points, modbus, KNX, and Web services. It also grants access to the Web server to configure and display the graphical user interface
- USB port
- Modbus serial port links to any device (Smartlink, IEM, PM, etc.)
- KNX connection for communication with KNX products
- RS232 connection to control music players

Connect KNX with the IoT

Interoperability has always been part of the DNA of KNX-based solutions. With the multitude of new home and building automation solutions and widespread use of the IoT, new ways of interaction are needed.

The SpaceLogic KNX IoT 3rd Party API from Schneider Electric allows the integration of third-party applications and systems into the SpaceLogic KNX IoT system. This API enables developers to create custom applications that access the functions and data of the SpaceLogic KNX IoT system, expanding its functionality and enabling seamless integration with other IoT platforms and solutions.

The Wiser for KNX and spaceLYnk controllers are the gateways between the KNX Installation and the IoT world. Schneider Electric provides 3rd party systems with a REST based API, which can be accessed through the cloud or in Local Network only. This API follows the standardized KNX IoT 3rd party API specifications defined by the KNX association. The authentication between the 3rd party system and Wiser for KNX or spaceLYnk follows the industry standard OAuth2.0.

Endless possibilities

Any company or system integrator can develop a solution to interface different systems with our SpaceLogic KNX installation; and by doing so, offer services and or an enhanced user experience for their users.

SpaceLogic KNX BMS IP Gateway

The SpaceLogic KNX BMS IP Gateway is a bidirectional multifunctional device that allows you integrate Spacelogic KNX installations within Ecostruxure Building Operation. The main communication interface is KNX TP and BACnet IP protocols.

Three functions combined in one device:

- KNX IP router (max. 4000 objects)
- KNX IP interface
- DPSU choke power supply

The Gateway allows professional installers to integrate in BMS (Building Management Systems), deploy SpaceLogic KNX installations more cost and time effectively thanks to features combination.

Configuration and commissioning is straightforward and fast thanks to embedded Application simplifying the process. The architecture can be simpler because it is no longer necessary to use additional IP routers and KNX power supplies with respect to given parameters.

Connect Emergency Lighting with KNX

Emergency Lighting provides illumination when the main power is off ensuring that occupants of a building can evacuate safely in the event of a critical situation. In Smart Buildings Emergency Lighting can be integrated into DALI networks thanks to two dedicated systems: **self-contained Exiway DALI** and **centralized Exiway Power DALI**.

Operating on a KNX-DALI architecture, both **ordinary and emergency lighting devices are connected on the same communication bus**, managed by the same controller, and linked to the KNX environment.

This setup offers advantages such as:

- reduced cabling costs
- single access point control of the entire building's lighting .

The controller of the entire DALI network (with ordinary and emergency luminaires) is spaceLYnk, on which a special application is implemented to ensure all the required functionalities. spaceLYnk controller has BACnet IP communication protocol which allows its integration into Building Automation systems.

Via Web Server or EcoStruxure it would be possible to have:

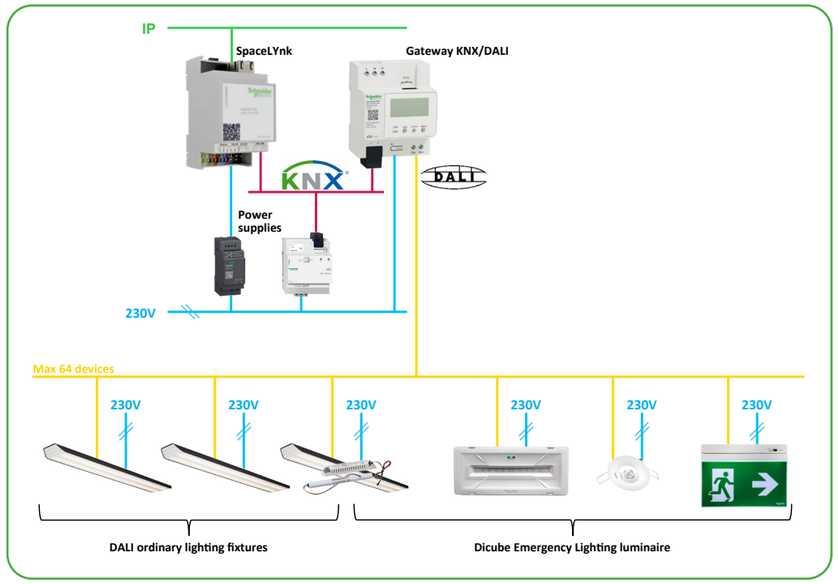
Remote supervisioning

Status report

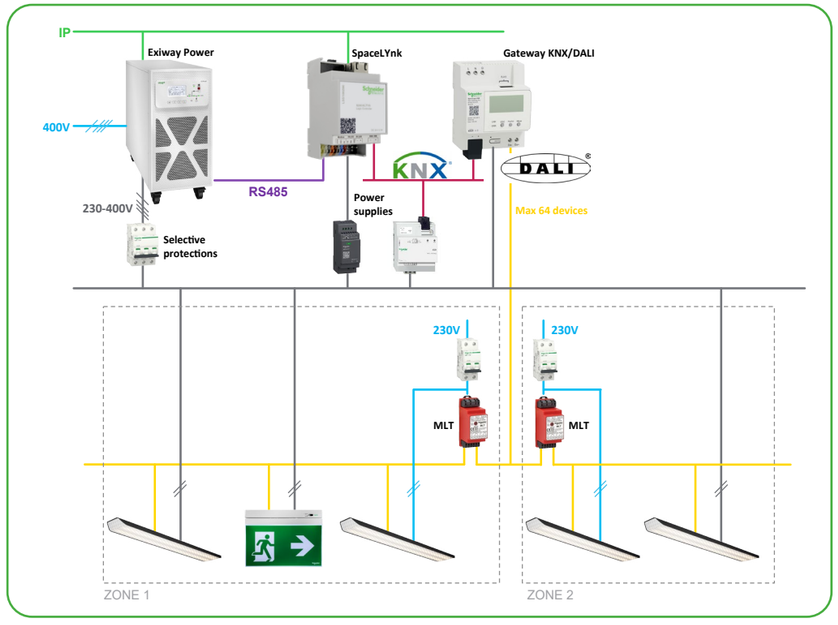
Graphic maps

The system integrator, configuring the system, can take advantages from spaceLYnk user interface, to create to own graphic view and he can also include a map of the installation.

Self-contained and centralized DALI systems



Self-contained Exiway DALI system



Centralized Exiway Power DALI system

SpaceLogic KNX 4” Touch Unit

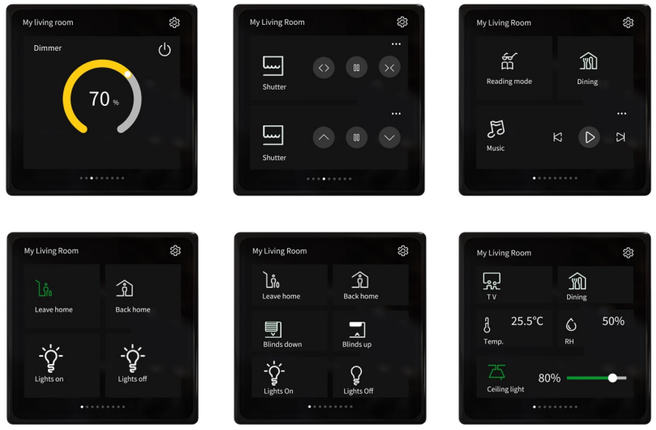
The innovative, frameless KNX 4” Touch Unit is the all-in-one-control device that will convince any customer. It will fit any interior and goes along with any kind of push-button designs.
Its slender structure creates a modern and elegant appearance in homes, offices, and hotels.
On the highresolution display, several functions and tailored scenes can be put in place easily and intuitive.

- Frameless design
- Low profile
- 4 inch LCD Touch screen (10 cm)
- High resolution display 480 x 480 px
- Intuitive operation
- Up to 6 functions on 9 screens
- Plain symbols
- Free text
- Personalized screensaver and background image
- Tailored icons / symbols

All in one control

The KNX 4” Touch Unit gives maximum freedom. You can manage one or more rooms from one is a breeze, thanks to its nine screens and up to six functions each. It is the ideal choice for the comprehensive control of all building functions in one go, and its energy monitoring can assist in finding ways to reduce energy usage:

- Switch
- Dimmer, RGB and RGBW control
- Temperature control
- Temperature set point shift
- Air Condition
- Fan coil
- Air quality
- Blinds, curtains and shutters
- Scenes
- Audio
- Monitor Energy consumption
- Time and date as screensaver



Limitless capabilities

The numerous and practical features leave nothing to be desired by the customer:

- The integrated temperature sensor send the current temperatur thus allowing to regulate the underfloor heating.
- The proximity sensor activates the display without the need for touch.
- The orientation light can be switched on and used as such in night mode.
- The cleaning mode prevents unintentional activation by setting the display to inactive for a pre-set period of time.
- A stand by / night mode lowers energy consumption and prolongs the lifetime of the display.
- A locking function safeguards the device from potential damage and displays a clear symbol when it has been activated.
- An optional pin-code based device access offers added protection, such as in public spaces.
- The micro USB interface allows custom icons, backgrounds and screensavers to be uploaded.
- Three background themes can be selectedseveral functions and tailored scenes can be put in place easily and intuitive.

KNX Push-button dynamic labeling

Flexibility to the core

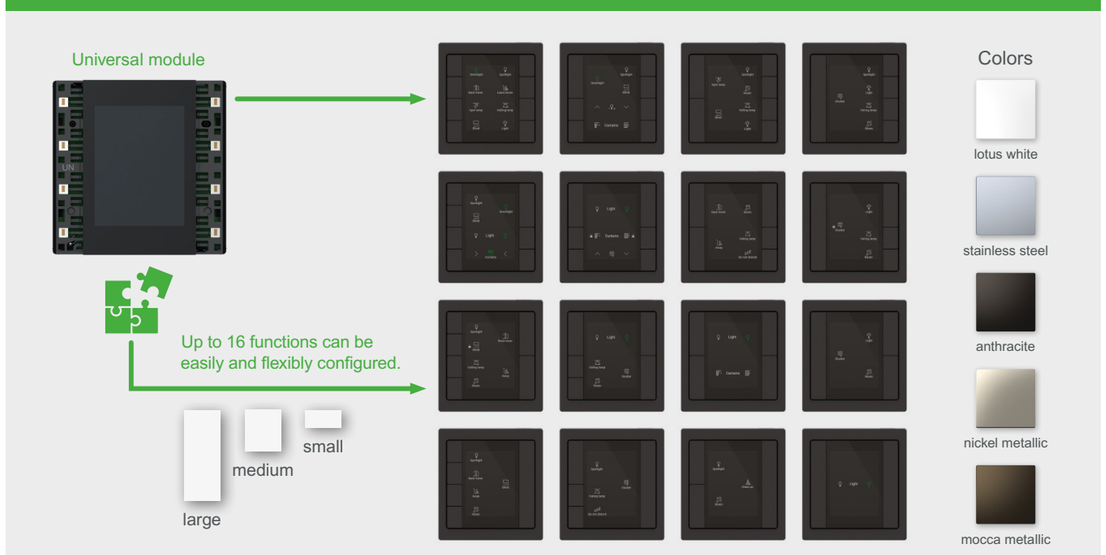
The new KNX Push Button with dynamic labeling brings the highest flexibility and ease of use:

- Rockers are provided separately, reducing storage space and costs.
- Fast reaction on changes or late customer decisions.
- Configuration in ETS and eConfigure.
- Front programming mode allows to put the already installed device into programming mode without dismounting.
- Integrated temperature sensor with set point shift.

The new smart brick concept

Thanks to the smart modular concept of the Universal module, changes can be easily made at any time during project planning or beyond - even if the device is already installed. In total 16 different combinations are possible for maximum flexibility.

KNX Push Button Dynamic Labeling – modular principle



Dynamic labeling

Thanks to the dynamic display and digital labeling, no paper is needed, reducing preparation time and offering more flexibility.

- Dynamic, paper-free labeling changeable at any time
- Labeling in ETS or eConfigure
- Clear and intuitive icons
- More than 50 icons for a variety of functions in homes, hotels and offices
- Text customizable
- Free combinations of text and icons: only text, only icons, text and icons
- 5 colors can be combined within one device

System Design

The KNX Push-button with dynamic labeling comes in five appealing and modern colors of the Merten System Design switch range matching the interior trends and styles of investors, and homeowners.

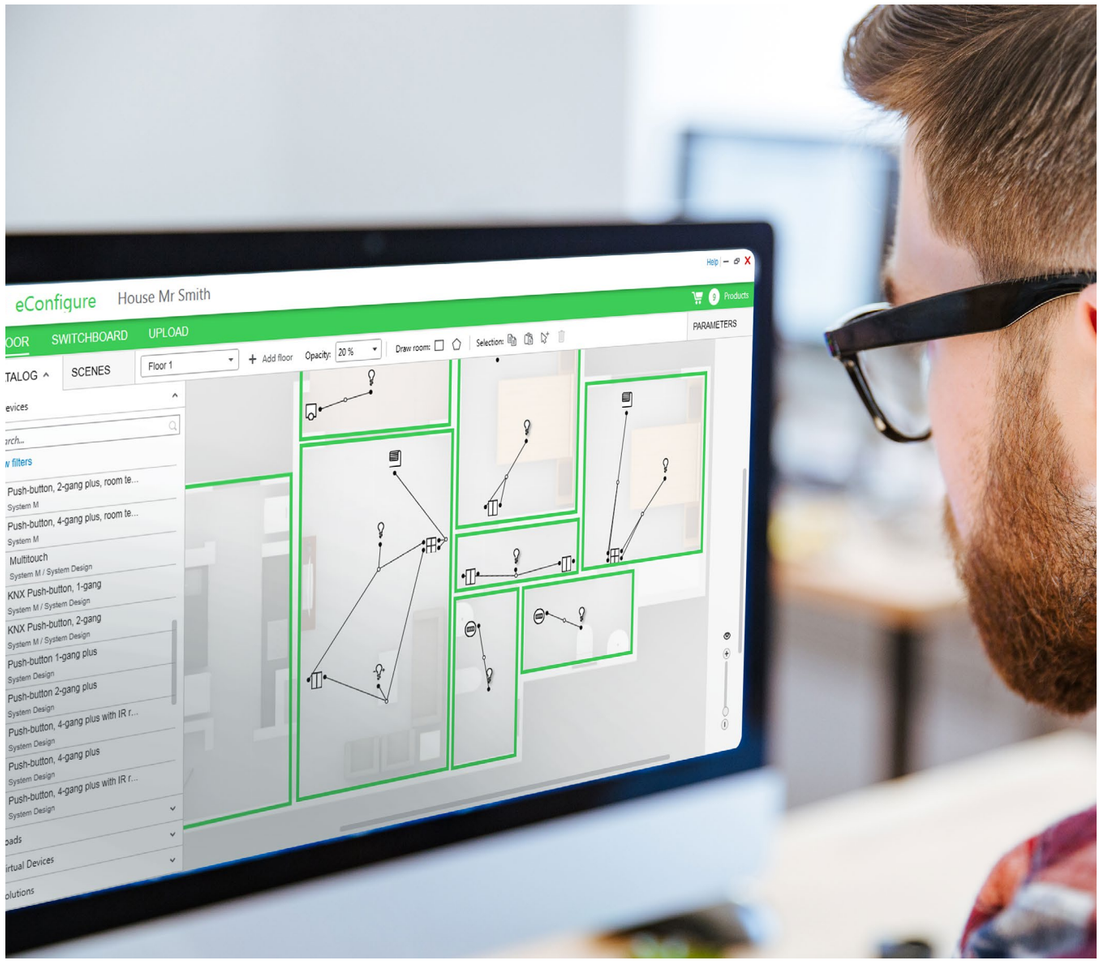
D-Life lotus white

D-Life anthracite

D-Life stainless steel

D-Life mocca metallic

D-Life nickel metallic



A fast, easy to use and intuitive software

From design to installation and maintenance, eConfigure KNX 2.0 can be used easily: Click, move, drop - no programming!

Time Savings:
Own libraries of solutions can be created and reuse across projects.

Reliable:
Only products and loads that are relevant can be linked thus avoiding mistakes!

Quality:
The diagnosis page helps the partner to identify devices of the network and detects configuration inconsistencies.

Peace Of Mind:
KNX is the most used and reliable protocol in home and building automation.

Flexible:
Devices from different open protocols can be integrated: KNX, Zigbee, DALI.

Customizable:
Allows partners to import floor plans and place graphically devices on it.

Efficient:
design solutions once and use them for future projects.

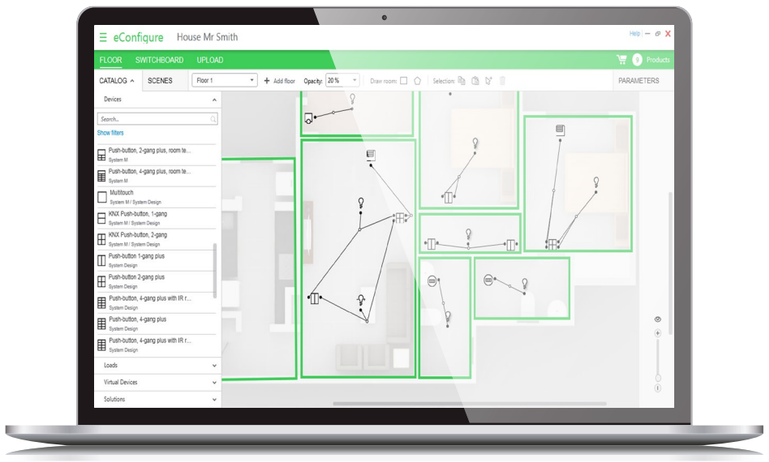
Simple and smart:
a professional bill of material can be generated and shared with stakeholders.

eConfigure KNX 2.0

eConfigure KNX 2.0 is the graphic design and commissioning tool for time-saving, easy-to-use and intuitive design and commissioning of home and building automations with KNX.

It gives Electricians and System Integrators the capability to design and commission automation installations for lighting, shutters, blinds, and temperature control for residential projects (villas, chalets) and small and medium commercial buildings (offices, schools, stores, restaurants, etc.)

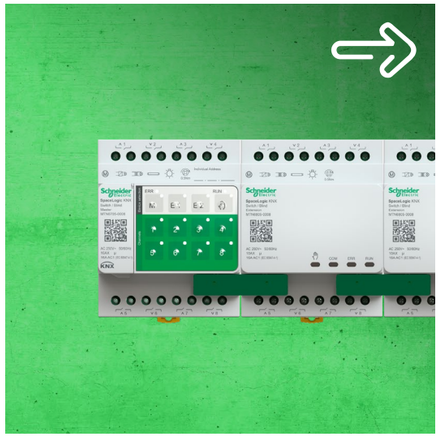
With implementing the Hybrid solution to our SpaceLogic KNX offer, now our Zigbee protocol based Wiser products, can be also commissioned in the latest eConfigure KNX 2.0 software version.



Latest launches – new offers

At Schneider Electric, we are constantly expanding our portfolio by developing new products, solutions, and innovations within the SpaceLogic KNX family.

SpaceLogic KNX Push Button Interface Basic/Pro



SpaceLogic KNX DALI Broadcast Gateway

Resi**9** Energy Meter Wired

KNX Secure

SpaceLogic KNX Push Button Interface Basic/Pro

With the new KNX Push Button Interfaces, you can turn conventional switches or push buttons into KNX-compatible control devices. Additionally, windows or other auxiliary contacts can be integrated into the KNX system thanks to the interfaces.

The new Push Button Interfaces are available with 2, 4, or 8 channels, the 8-channel interface also available as a Pro variant.

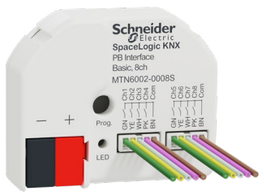
All Push Button Interfaces are Data Secure and feature lighting, shading, heating, security, and energy functions. The 8-channel Push Button Interface Pro additionally offers two analog inputs for a temperature sensor, logic functions, and pulse counting.
The maximum cable length is 10 meters, and for the Pro version, it is 30 meters.

KNX Secure

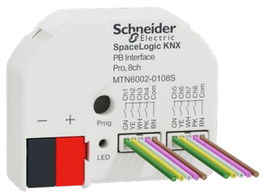
All new Push Button Interfaces are KNX Data Secure

Push Button Interface Basic, 2 channels
MTN6002-0002S

Push Button Interface Basic, 4 channels
MTN6002-0004S

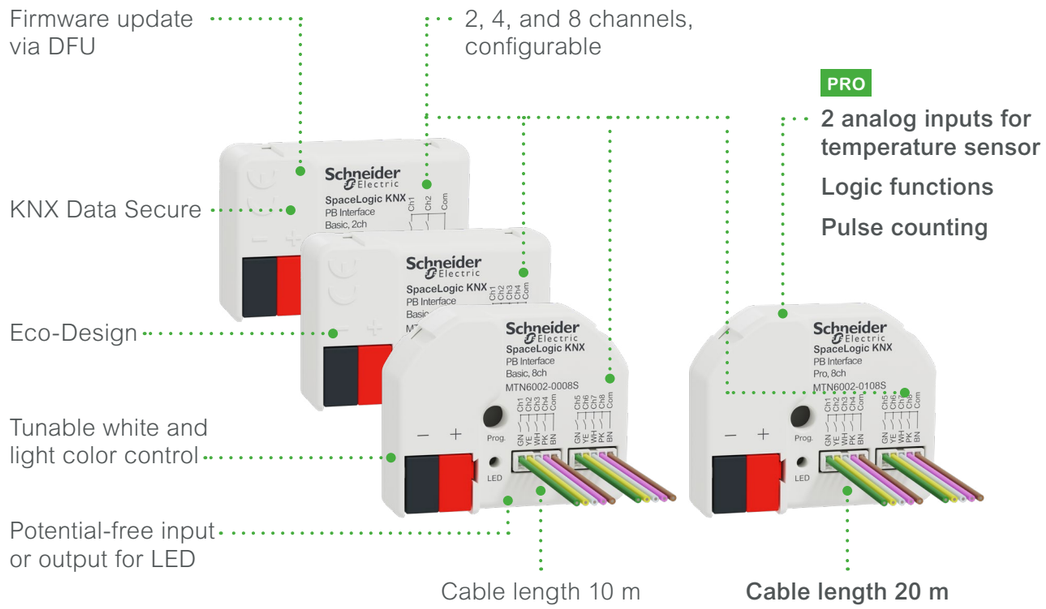


Push Button Interface Basic, 8 channels
MTN6002-0008S

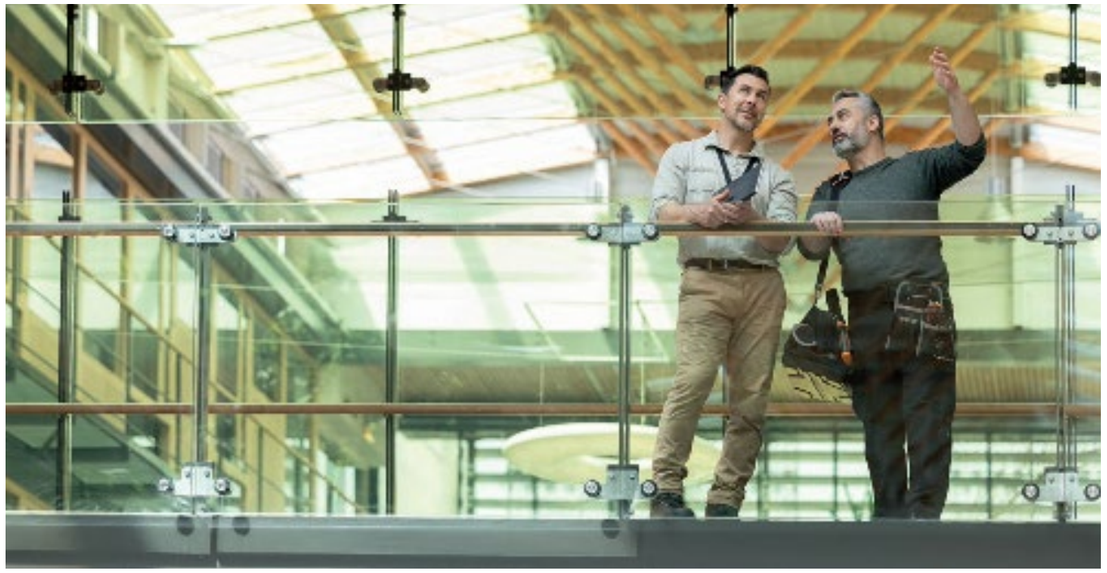


Push Button Interface Pro, 8 channels
MTN6002-0108S

Discover the various features of the new KNX Push Button Interfaces



Funktion	MTN6002-0002S	MTN6002-0004S	MTN6002-0008S	MTN6002-0108S
Channels	✔	✔	✔	✔
KNX Data Secure	✔	✔	✔	✔
Configurable	✔	✔	✔	✔
Tunable white and light color control	✔	✔	✔	✔
Eco-Design	✔	✔	✔	✔
Firmware update via DFU	✔	✔	✔	✔
Potential-free input/output for LED	✔	✔	✔	✔
Pulse counting	✖	✖	✖	✔
2 analog inputs for temperature sensor	✖	✖	✖	✔
Logic functions	✖	✖	✖	✔
Cable length	10 m	10 m	10 m	30 m



SpaceLogic KNX DALI Broadcast Gateway

Introducing the innovative KNX DALI Broadcast Gateway, a game-changer in smart lighting control! This advanced device simplifies the management of electronic control gear (ECGs) by allowing for seamless operation of up to 32 devices per channel across 4 channels.

With its broadcast communication feature, commissioning and maintenance become quick and hassle-free, eliminating the need for DALI commissioning. The KNX DALI Broadcast Gateway not only supports easy device replacement but also enables precise control over color and color temperature, all while ensuring top-notch security with its KNX Secure certification.

KNX Secure

Discover the various features of the new KNX DALI Broadcast Gateway

Control Capabilities:

- Manage up to 32 devices per channel.
- Supports 4 channels for enhanced flexibility

Effortless Commissioning & Maintenance:

- Quick setup with no DALI commissioning required.
- Easy replacement of faulty devices without addressing or grouping

Advanced Features:

- Supports color and color temperature control (DALI Device Type 8).
- Power and energy metering according to DALI type 51

KNX Secure:

- KNX Secure certified to protect against manipulation and data misuse

SpaceLogic KNX
DALI Gateway Broadcast Master
MTN6725-0005S

Product features overview:

- 4 DALI channels, electrically isolated into two groups
- 32 devices per channel
- DALI-2 certified
- Single-master application controller
- Integrated power supply
- Compact design (4TE)
- Manual control of the 4 channels via buttons on the front of the product
- LED status and error indication
- KNX Secure
- 16 scenes per channel
- Color and color temperature according to DALI Type 8
- Power and energy metering according to DALI type 51
- Dimming time, scene module, staircase timer delay, lock, priority, alarm, failure
- Firmware update via KNX Bus

Discover Resi**9** Energy Meter Wired

Load availability and energy metering in a KNX installation

The new Resi**9** Energy Meter Wired is a powerful enabler of energy usage analysis, monitoring and alarming capabilities close to final loads. It is available in two versions, for measuring 1 phase circuits or 3 phases circuits.

The Resi9 Energy Meter Wired can be easily integrated into a KNX system to monitor energy consumption. It provides accurate view of how energy is used at every level, from the incoming circuit to the final electrical load.

Resi**9** Energy Meter Wired, 1 phase

The Resi**9** Energy Meter Wired for 1 phase can be connected to 6 metering points and comes with a compact design, ideally for retrofitting to existing cabinets.

Resi**9** Energy Meter Wired, 3 phase

The Resi**9** Energy Meter Wired for 3 phase supports 6 measurement channels.

They can be mixed in between 3 phase and 1 phase circuits measurement, leading to an extremely flexible product for projects or upgrade of existing electrical cabinets. The Energy Meter can also be used for single phase circuits.

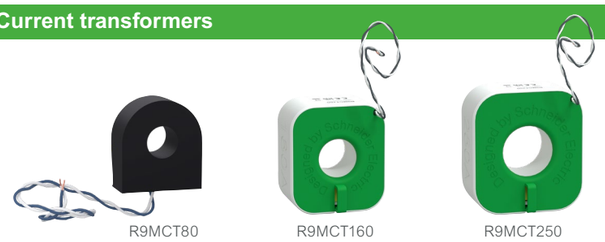
Energy measurement from source to loads

The Energy Meter measures current, voltage, active power, power factor and active energy received and delivered in case of Photovoltaic installation, and communicates this data via Modbus serial RS485 communication to the KNX controllers Wiser for KNX or spaceLYnk.

All the Values are measured in accordance with the IEC 61557-12 standard for 1% accuracy (class1). The energy data is displayed in the controller web pages and Wiser KNX app.

Resi9 Energy Meter Wired | **KNX Connectivity**

Current transformers



Three current transformers are proposed with different ratings : 80/160/250A. For single phase Energy Meter, only CT80A is compatible. Specific marking on the CT is showing the current flow to avoid mismatch on the power cable.

Sources **Loads**

Resi**9** Energy Meter Wired – Benefits at a glance

Compact design:
Ideal for retrofitting, needs less space in the cabinet.

Versatile metering:
Up to 6 metering points for single phase; 90 points / Wiser for KNX and spaceLYnk.

Connected:
With KNX systems via Wiser for KNX and spaceLYnk controllers.

Cost effective:
Competitive price.

Clear and intuitive:
Visualization via Wiser KNX app or the controllers (customized).

Fast ans easy comissioning:
Modbus profiles are already stored in the Wiser for KNX and spaceLYnk controllers.

Modular and adaptable:
Perfectly suited to adapt to changing business needs, energy regulations or certifications, retrofit applications on final distribution circuits.

Sustainable:
It assists your ISO 50001 goals and supports your energy efficiency and carbon footprint reduction targets.

KNX Secure

In our increasingly digital world, cybersecurity is paramount. This holds especially true for building automation, where safeguarding systems against cyber attacks is of central importance. That's why Schneider Electric is progressively incorporating the KNX Secure Standard into all relevant products within our SpaceLogic KNX portfolio.

The specification for KNX Secure distinguishes between KNX IP Secure and KNX Data Secure. KNX IP Secure protects the communication over IP while on KNX TP the communication remains unencrypted. Thus, KNX IP Secure can also be used in existing KNX systems and with non-secure KNX TP devices. KNX Data Secure describes the encryption at telegram level. This means that the telegrams on the twisted pair bus are also encrypted.

Devices supporting KNX Secure

SECURE

KNX IP Secure for the router function

The coupling of individual KNX TP lines via IP is referred as KNX IP routing. Routing communication is encrypted with KNX IP Secure. This means that only IP devices that know the encryption key can decrypt the communication and send valid telegrams. A time stamp in the routing telegram ensures that no previously recorded telegrams can be replayed. This prevents a replay attack.

The key for the routing communication is reassigned by ETS for each installation. If KNX IP Secure is used for routing, all connected KNX IP devices must support security and be configured accordingly.

KNX IP Secure for the interface function

When using a KNX IP device as an interface to the bus, access to the installation is possible without security for all devices that have access to the IP network. With KNX Secure a ETS project password is required. A secure connection is already established for the transmission of the password. All communication via IP is encrypted and secured.

In both modes, the interface forwards both encrypted and unencrypted KNX telegrams. The security properties are checked by the respective receiver or tool.

KNX Data Secure for the device

The KNX secure device also supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams. Encrypted telegrams are longer than the previously used unencrypted ones. For secure programming, the interfaces and line couplers used must support so-called KNX long frames.

New KNX Secure products

KNX Secure Push Buttons

4" Touch Unit
MTN6215-0410S

Dynamic Labeling Universal
MTN6194-6010S

Wiser for KNX
LSS100100

spaceLYnk
LSS100200

SpaceLogic KNX Push Button Interfaces

MTN6002-0002S
(2 Channel)

MTN6002-0004S
(4 Channel)

MTN6002-0008S
(8 Channel)

MTN6002-0108S
(8 Channel Pro)

SpaceLogic KNX
Switch / Blind Master
MTN6705-0008S

SpaceLogic KNX
Dimmer Master
MTN6710-0102S

SpaceLogic KNX
DALI Broadcast Gateway Master
MTN6725-0005S

Product range

2025-04

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Control and Display Devices

KNX Secure 4" Touch Unit

Version	Art. no.	
glass	**MTN6215-0410S**	New

The KNX Secure 4" Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
KNX: KNX Secure
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

Push-buttons System D

KNX Secure Push Button Dynamic Labeling Universal

Version	Art. no.	
universal	**MTN6194-6010S**	New

For System D.

The KNX Secure Push Button Dynamic Labeling Universal is a push button for 2 to max 8 rockers on which different functions can be set. This flexible structure allows the number of rockers/functions to be adapted to changing requirements. The device supports KNX Secure.

The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:
- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

KNX software functions:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052
Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052
Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052
Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Power supply from KNX: DC 24 V approx. 24 V/16 mA
KNX: KNX Secure
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 71 x 71 x 31 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

Unica X

Unica X KNX push-button, 2 key

Version	Art. no.	
Metal		
Painted White	**NUX6161_02_PW**	New
Jet Black	**NUX6161_02_JB**	New
Dark Bronze	**NUX6161_02_DB**	New
Dark Grey	**NUX6161_02_DG**	New
Stainless Steel	**NUX6161_02_SS**	New
Antique Brass	**NUX6161_02_AB**	New

Unica X KNX Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

New Products at a Glance
Unica X

Unica X KNX push-button, 4 key

Version	Art. no.	
Metal		
Painted White	**NUX6162_02_PW**	New
Jet Black	**NUX6162_02_JB**	New
Dark Bronze	**NUX6162_02_DB**	New
Dark Grey	**NUX6162_02_DG**	New
Stainless Steel	**NUX6162_02_SS**	New
Antique Brass	**NUX6162_02_AB**	New

Unica X KNX Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Unica X KNX push-button, 6 key

Version	Art. no.	
Metal		
Painted White	**NUX6163_02_PW**	New
Jet Black	**NUX6163_02_JB**	New
Dark Bronze	**NUX6163_02_DB**	New
Dark Grey	**NUX6163_02_DG**	New
Stainless Steel	**NUX6163_02_SS**	New
Antique Brass	**NUX6163_02_AB**	New

Unica X KNX Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

New Products at a Glance
Unica X

Unica X KNX push-button, 8 key

Version	Art. no.	
Metal		
Painted White	**NUX6164_02_PW**	New
Jet Black	**NUX6164_02_JB**	New
Dark Bronze	**NUX6164_02_DB**	New
Dark Grey	**NUX6164_02_DG**	New
Stainless Steel	**NUX6164_02_SS**	New
Antique Brass	**NUX6164_02_AB**	New

Unica X KNX Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.

Unica X KNX push-button, 5 key thermostat

Version	Art. no.	
Metal		
Painted White	**NUX6212_02_PW**	New
Jet Black	**NUX6212_02_JB**	New
Dark Bronze	**NUX6212_02_DB**	New
Dark Grey	**NUX6212_02_DG**	New
Stainless Steel	**NUX6212_02_SS**	New
Antique Brass	**NUX6212_02_AB**	New

Unica X KNX Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

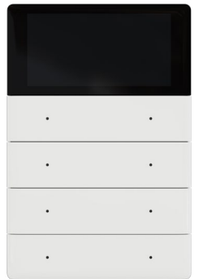
FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.



Unica X KNX push-button, 8 key thermostat

Version	Art. no.	
Metal		
Painted White	**NUX6214_02_PW**	New
Jet Black	**NUX6214_02_JB**	New
Dark Bronze	**NUX6214_02_DB**	New
Dark Grey	**NUX6214_02_DG**	New
Stainless Steel	**NUX6214_02_SS**	New
Antique Brass	**NUX6214_02_AB**	New

Unica X KNX Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

Push-button Interfaces

SpaceLogic KNX, Secure, Push-Button Interface Basic, 2 channel

Version	Art. no.	
2 channel	**MTN6002-0002S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.
KNX power supply: 4...7 mA
Contact voltage: DC 3.3 V (SELV)
Output current/channel: Max. 3.3 mA
LED current/channel: max. 1.6 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 10 m
Dimensions: approx. 43x28.5x15.6 mm (LxWxH)

SpaceLogic KNX, Secure, Push-Button Interface Basic, 4 channel

Version	Art. no.	
4 channel	**MTN6002-0004S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.
KNX power supply: 4...9 mA
Contact voltage: DC 3.3 V (SELV)
Output current/channel: Max. 3.3 mA
LED current/channel: max. 1.6 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 10 m
Dimensions: approx. 43x28.5x15.6 mm (LxWxH)

SpaceLogic KNX, Secure, Push-Button Interface Basic, 8 channel

Version	Art. no.	
8 channel	**MTN6002-0008S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.
KNX power supply: 4...12 mA
Contact voltage: DC 3.3 V (SELV)
Output current/channel: Max. 3.3 mA
LED current/channel: max. 1.6 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 10 m
Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)

SpaceLogic KNX, Secure, Push-Button Interface Pro, 8 channel

Version	Art. no.	
8 channel	**MTN6002-0108S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending, Timer function in logic function, Pulse counter (main and intermediate), Temperature sensor function, Windows/door with 2 contacts (combine 2 channels), simplified configuration for combinded channels. Logic module with: AND, OR, XOR (plus inversions), AND with feedback, Converter (1bit -> 1byte), Time delay and filter, Comparator (1, 2, 4 byte DPTs), Limit value switch with hysteresis.
KNX power supply: 5...18 mA
Contact voltage: DC 5 V (SELV)
Output current/channel: Max. 3.2 mA
LED current/channel: max. 2x NTC 33 kΩ at 25 °C
Temperature sensor input: max. 2.2 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 30 m
Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)
Accessories: Temperature sensor 616790 Merten brand

Energy Meter

Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels

Version	Art. no.	
80 A, 6 circuits	**R9M80X6M**	**New**

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80A (R9MCT80).
The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase)
- Current per circuit
- Active power per circuit (single-phase)
- Power factor (single-phase)
- Frequency (single-phase)

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS-485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN 60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs
Measured voltage: AC 230 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs
Measured current: 20 mA to 80 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment
Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:
Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 4 LEDs (power, alarm, communication, digital output), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 27 x 70 x 113.6 mm

To be completed with: SET of 6 Resi9 current transformers 80A, R9MCT80.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS100100

New Products at a Glance
Energy Meter

Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels

Version	Art. no.	
80 A, 160 A, 250 A, 6 circuits	**R9MUX6M**	**New**

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase and three-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80 A (R9MCT80), 160 A (R9MCT160), and 250 A (R9MCT250).
The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase and three-phase)
- Current per circuit
- Active power (single-phase and three-phase)
- Power factor (single-phase and three-phase)
- Frequency

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs
Measured voltage: 3 of AC 230 V / 400 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs
Measured current: 20 mA to 80 A, 40 mA to 160 A, 40 mA to 250 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment
Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:
Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 5 LEDs (power, alarm, communication, digital output 1, and digital output 2), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 36 x 70 x 114.6 mm

To be completed with: SET of 6 Resi9 current transformers 80 A, R9MCT80.
SET of 3 Resi9 current transformers 160 A, R9MCT160 / 250 A, R9MCT250.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS10010

SET of 6 Resi9 current transformerts 80 A

Version	Art. no.	
80 A	**R9MCT80**	**New**

The current transformer 80 A is used for current sensing. One set contains 6 units of 80 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 10 mm
Dimensions (W x L x H): 27 x 13 x 29.5 mm
Cable length: 1 m (can be reduced or extended to max. 1.5 m without affecting the accuracy)
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 8x 1.5 mm² / 6x 2.5 mm² / 4x 4 mm² / 2x 6 mm² / 1x 10 mm² / 1x 16 mm²

To be completed with:
- Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels, R9M80X6M.
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformerts 160 A

Version	Art. no.	
160 A	**R9MCT160**	**New**

The current transformer 160 A is used for current sensing. One set contains 3 units of 160 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 19 mm
Dimensions (W x L x H): 48 x 29 x 54 mm
Cable length: 1.5 m
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 16 mm² / 2x 25 mm² / 1x 35 mm² / 1x 50 mm² / 1x 70 mm²

To be completed with:
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformerts 250 A

Version	Art. no.	
250 A	**R9MCT250**	**New**

The current transformer 250 A is used for current sensing. One set contains 3 units of 250 A current transformers.

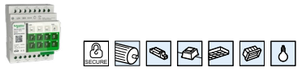
Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 27 mm
Dimensions (W x L x H): 60 x 29 x 66 mm
Cable length: 1.5 m
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 35 mm² / 1x 50 mm² / 1x 70 mm² / 1x 95 mm² / 1x 125 mm² / 1x 150 mm² / 1x 185 mm²

To be completed with:
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

Switch actuator

SpaceLogic KNX, Secure, Switch/Blind Master



Version	Art. no.	
white	**MTN6705-0008S**	**New**

This device is KNX Secure certified.
For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

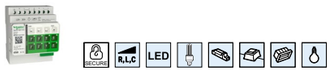
Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA
For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal.

Dimming actuator

SpaceLogic KNX, Secure, Dimmer Master



Version	Art. no.	
white	**MTN6710-0102S**	New

This device is KNX Secure certified.
Dimming actuator with 2 channels for switching and dimming **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.
(leading and trailing-edge phases)

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), operating hours, status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Switch/Blind actuator functions: same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

Supply voltage: KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W
Dimmer Outputs
Channels: 2 (different phases possible)
Nominal voltage: AC 110 - 240 V, 50/60 Hz
Nominal power:
220-240 V: Incandescent, HV, electronic/wounded transformators: 2x 350 W/VA
220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A
220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A
110-127 V: Incandescent, HV, electronic/wounded transformators: 2x 200 W/VA
110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A
110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal

DALI Gateway

SpaceLogic KNX DALI Gateway Broadcast Master 4 channel/32

Version	Art. no.	
white	**MTN6725-0005S**	New

The SpaceLogic KNX DALI Gateway Broadcast Master is a 4-channel single master application controller for controlling electronic ballasts with DALI interface via the KNX installation bus. Up to 32 ECGs can be connected to each channel. Ballasts are supported both according to IEC 62386-102 ed1 (DALI1) and IEC 62386-102 ed2 (DALI2). The device is sending DALI broadcast commands to the ballasts. Commissioning of the ballasts is not necessary.

Futher more this is a Master device where you can connect in the future a maximum of two Extension devices. (DALI: MTN6825-0005 or Switch: MTN6805-0008).

The device converts switching and dimming commands from the connected KNX system into corresponding DALI telegrams, or status and event information from the DALI bus into KNX telegrams.

The power supply required for the connected ECGs comes directly from the device. Additional DALI power supplies are not required

Functions:
- 4 independent DALI channels for broadcast control, electrically isolated into two groups
- Simultaneous control of up to 32 ECGs per channel
- No DALI commissioning or identification of the DALI luminaires required
- Extensive control of the channels via various KNX communication objects
- Colored light control with support for Device Type 8 (DT-8) ballasts:
  - Color temperature (DT-8 Sub-Type Tc)
  - RGB (DT-8 Sub-Type RGBWAF)
  - HSV (DT-8 Sub-Type RGBWAF)
  - RGBW (DT-8 Sub-Type RGBWAF)
- Automatic change of the color temperature depending on the light value (Dimm-To-Cold)
- Broadcast objects for controlling all connected ECGs simultaneously
- Various operating modes for channels such as continuous operation, night operation, staircase timer
- Timer for switch-on and switch-off delays
- Integrated operating hours counter for each channel with alarm when the service life is reached
- Individual fault detection of lamps and ECG faults for each channel with alarm
- Scene module for up to 16 scenes, which can be assigned to KNX scenes 1..64 as required
- "Energy-saving function" allows the ECG power supply to be switched off when the light is switched off via additional switching actuators
- Manual operation via operating buttons on the device
- Signaling of error states and status diagnostics via LEDs on the device

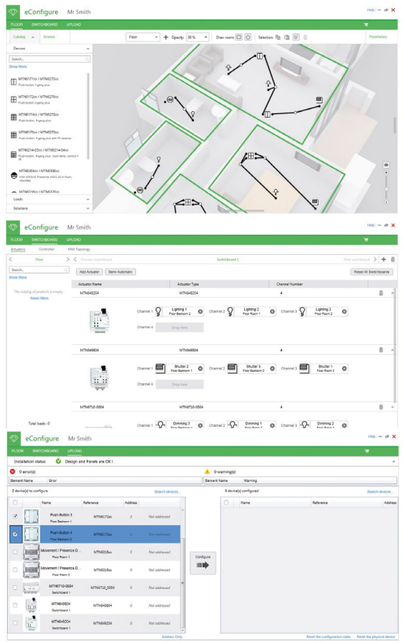
KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Supply voltage: KNX Bus, DC 24 V (SELV)
Power consumption Master: approx. 6.5 mA
Insulation: Protective separation between the KNX bus and the mains voltage. Basic insulation between the 2-DALI power supplies.
KNX: TP1-256, KNX Secure
DALI:
Operating voltage for Dali power supply: 100 to 240 V, 50/60 Hz AC or DC
Maximum power consumption: < 8 W
4 Outputs: D+/D-
Number of ECGs: max. 32 ECGs in accordance with IEC 62386-101 ed1 and ed 2 per channel, 128 ECGs in total
DALI voltage: typically 18 VDC, short-circuitproof max. 250mA, basic insulation (no SELV)
Guaranteed supply current: 64 mA per channel
Maximum supply current: max. 250 mA per channel
Shutdown delay: 600ms after DALI short circuit
Start-up attempt after shutdown: 5s after short-circuit detection
Recommended cable cross-section: min. 1.5 mm²
Wire range: Supply 1.5-4 mm², DALI: 1.5-4 mm²
Type of protection: IP 20
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal.

eConfigure

Software

Software



eConfigure KNX Lite

Version	Art. no.
Lite	**LSS900100**

eConfigure KNX Lite is a graphical tool to seamlessly plan and configure a KNX installation in residential and functional buildings. Time-consuming programming via ETS software is no longer necessary. The user creates his installation graphically directly on the plans of his installation and determines the functions of each KNX sensors (pushbuttons, thermostats, detectors, ...) in a simple, fast and intuitive way. KNX products in switchboards are generated automatically, which allows the user to save time, while being assured of a functional installation.

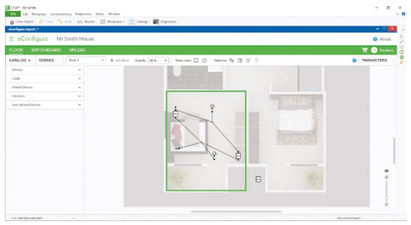
Can be used:

- As a tool for simple, fast and intuitive configuration and setup for building automation solutions based on KNX
- As a product database that contains the catalogue with all available Schneider KNX devices in the country. It is no longer necessary to download the device files.

Features:

- Fast and convenient planning and commissioning thanks to the graphical user interface.
- Allows access to pre-assembled solutions and enables easy configuration of scenes.
- Up to 250 KNX devices can be integrated in a project.
- Automatic generation and product selection of KNX modular devices for the control cabinet layout.
- Fully automatic creation of visualizations in combination with Wiser for KNX and spaceLYnk possible
- Assistant function checks the configuration for sources of error for smooth commissioning.
- Creation of a room book and material lists for simple project documentation.
- Import of eConfigure KNX lite project files into eConfigure KNX expert (-ETS5) possible.
- Compatible operating systems: Windows 7, SP1, Windows 8, Windows 10
- Minimum computer requirements: see operating instructions / user manual.

Compatible operating system: Windows 7 SP1, Windows 8, Windows 10
Minimum computer requirements: Refer to user manual.
List of compatible KNX products: Refer to user manual
Automatic creation of visualizations for smartphone, tablet and Touch IP 7 in connection with Wiser for KNX (LSS100100) or spaceLYnk (LSS100200) possible.
Note: This software must be installed on a computer using the Windows® operating system.
Scope of delivery: Box with KNX dongle and USB stick with software.



eConfigure KNX Expert

Version	Art. no.
Expert	**Available on knx.org shop (ETS App)**

'eConfigure KNX Expert' is a graphical ETS App for seamless configuration and set-up of a home & building automation solutions.

The user creates his installation graphically directly on the plans of his installation and determines the functions of each KNX sensors (pushbuttons, thermostats, detectors, ...) in a simple, fast and intuitive way. KNX products in switchboards are generated automatically, which allows the user to save time, while being assured of a functional installation.

A library of solutions can be integrated in the software, allowing the novice or experienced user who wants to optimize his time to quickly create his project. It is also possible for the user to create his own solutions.

An installation report and list of products (bill of materials) can also be edited to allow the user to build a complete and professional file for the rest of his team or for his own clients.

All projects done with the Lite version are compatible with the Expert version.
It is possible to export the complete project in ETS.

Compatible operating system: Windows 7 SP1, Windows 8, Windows 10
Minimum computer requirements: Refer to user manual.
List of compatible KNX products: Refer to user manual
Note: ETS5 with Pro license shall be used.

Bus Power Supplies Overview

	SpaceLogic KNX power supply REG-K					SpaceLogic KNX power supply REG-K with emergency power input	
Article number	**MTN684032**	**MTN684064**	**MTN6513-1203**	**MTN6513-1202**	**MTN6513-1201**	**MTN683832**	**MTN683890**
Output current	320 mA	640 mA	320 mA	640 mA	1280 mA	320 mA	640 mA
Maximum number of bus devices	64	64	256		256	64	64
Input voltage, 50-60 Hz	AC 110-230 V		AC 220-240 V		AC 220-240 V	AC 110-230 V	
Output voltage	KNX: DC 28-31 V		KNX: DC 28-31 V Additional output: 30 V DC		KNX: DC 28-31 V Additional output: 30 V DC	KNX: DC 28-31 V	
Device width (1 module = 18 mm)	4 modules		4 modules		6 modules	4 modules	
Connections and displays							
LED display for maximum current	■		■		■	■	
Reset switch	■		■		■	■	
Signalling contact	—		■		■	—	
Increase the rated current in the bus line	—		max. 2 identical devices can be connected in parallel		—	—	
Connection for SpaceLogic KNX REG emergency power supply art. no. MTN683901	—		—		—	■	

Bus Power Supplies

SpaceLogic KNX Power Supply 320 mA

Version	Art. no.
	MTN6513-1203

The SpaceLogic KNX power supply generates the bus voltage for the KNX line.
The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices.
Two identical power supply units can be connected in parallel to double the output current.
The power supply has a floating signalling contact for operation and diagnostic messages.
Features:
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: 220-240 V AC,
Mains frequency: 50/60 Hz
Power dissipation: max. 1.8 W
KNX Medium: TP256
Bus output voltage: 28-31 V DC SELV
Bus output current: 320 mA (all outputs)
DC 30 V output voltage: 30 V DC
Signal output: 12-230 V AC, 2-30 V DC
Switching current: 5 mA ... 2
Buffer time: ca. 200 ms at 230 V A
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Power Supply 640 mA

Version	Art. no.
	MTN6513-1202

The SpaceLogic KNX power supply generates the bus voltage for the KNX line.
The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices.
Two identical power supply units can be connected in parallel to double the output current.
The power supply has a floating signalling contact for operation and diagnostic messages.
Features:
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: 220-240 V AC,
Mains frequency: 50/60 Hz
Power dissipation: max. 2.9 W
KNX Medium: TP256
Bus output voltage: 28-31 V DC SELV
Bus output current: 640 mA (all outputs)
DC 30 V output voltage: 30 V DC
Signal output: 12-230 V AC, 2-30 V DC
Switching current: 5 mA ... 2 A
Buffer time: ca. 200 ms at 230 V
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Power Supply 1280 mA

Version	Art. no.
	MTN6513-1201

The SpaceLogic KNX power supply generates the bus voltage for the KNX line. The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices.
The power supply has a floating signalling contact for operation and diagnostic messages.
Features:
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: 220-240 V AC,
Mains frequency: 50/60 Hz
Power dissipation: max. 6.4 W
KNX Medium: TP256
Bus output voltage: 28-31 V DC SELV
Bus output current: 1280 mA (all outputs)
DC 30 V output voltage: 30 V DC
Signal output: 12-230 V AC, 2-30 V DC
Switching current: 5 mA ... 2 A
Buffer time: ca. 200 ms at 230 V
Device width: 6 TE = approx. 108 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/320 mA

Version	Art. no.
light grey	**MTN684032**

For generating the bus voltage for a line with up to 64 bus devices.
With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: AC 110-230 V ±10%
Operating voltage: min. AC 92 V - max. AC 253 V
Mains frequency: 50-60 Hz ±10%
Output voltage: DC 30 V
Output current: max. 320 mA, short-circuit-proof
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/320 mA with emergency power input

Version	Art. no.
light grey	**MTN683832**

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.
With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: AC 110-230 V ±10%
Operating voltage: min. AC 92 V - max. AC 253 V
Mains frequency: 50-60 Hz ±10%
Output voltage: DC 30 V
Output current: max. 320 mA, short-circuit-proof
Device width: 4 TE = approx. 72 mm
Accessories: SpaceLogic KNX REG emergency power supply MTN683901
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/640 mA

Version	Art. no.
light grey	**MTN684064**

For generating the bus voltage for a line with up to 64 bus devices.
With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: AC 110-230 V ±10%
Operating voltage: min. AC 92 V - max. AC 253 V
Mains frequency: 50-60 Hz ±10%
Output voltage: DC 30 V
Output current: max. 640 mA, short-circuit-proof
Device width: 4 TE = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/640 mA with emergency power input

Version	Art. no.
light grey	**MTN683890**

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.
With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Nominal voltage: AC 110-230 V ±10%
Operating voltage: min. AC 92 V - max. AC 253 V
Mains frequency: 50-60 Hz ±10%
Output voltage: DC 30 V
Output current: max. 640 mA, short-circuit-proof
Device width: 4 TE = approx. 72 mm
Accessories: SpaceLogic KNX REG emergency power supply MTN683901
Contents: With bus connecting terminal and cable cover.

System Components
Bus Power Supplies

SpaceLogic KNX REG emergency power supply

Version	Art. no.
light grey	**MTN683901**

To buffer the bus voltage. If a complete mains failure occurs, an external lead gel battery with a voltage of DC 12 V (SELV) can be connected to the REG power supply for buffering. The lead gel battery is recharged or maintained in its charged state by integrated charging electronics.
A binary input can be connected in order to register the operational statuses (mains voltage, error warning, battery operation).
For installation on DIN rails TH35 according to EN 60715.
Nominal voltage: AC 110-230 V ±10%
Operating voltage: min. AC 92 V - max. AC 253 V
Mains frequency: 50-60 Hz ±10%
Output to power supply:
Output voltage: DC 30 V ±2 V
Output current: without battery with mains supply max. 300 mA, with battery without mains supply max. 640 mA
Buffer time with lead gel battery 7,2 Ah:
683890: approx. 0.5 h
683832: approx. 1 h
683816: approx. 2 h
Buffer time with lead gel battery 18 Ah:
683890: approx. 1.25 h
683832: approx. 2.5 h
683816: approx. 5 h
Short-circuit current: < 1.5 A
Charging current: max. 1 A
Connections: plug-in screw terminal for main connector, operating state (4-pin, 3 floating contacts) and emergency power supply. Plug-in terminal for battery connection (two 1 mm pins)
Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: KNX power supply REG-K/160 mA with emergency power input MTN683816
SpaceLogic KNX power supply REG-K/320 mA with emergency power input MTN683832
SpaceLogic KNX power supply REG-K/640 mA with emergency power input MTN683890
Accessories: Lead gel battery MTN668990
MTN668991
Binary input REG-K/4x24 MTN644892
SpaceLogic KNX Power supply REG, DC 24 V/0,4 A MTN693003
Contents: With connecting terminal and cable cover

Lead gel battery

Version	Art. no.
7.2 Ah	**MTN668990**

Lead gel battery to connect to the emergency input of the power supply 320 REG-K with battery connection.
Nominal voltage: DC 12 V
Capacity: 7.2 Ah
In KNX, to be completed with:
SpaceLogic KNX REG emergency power supply MTN683901

Lead gel battery

Version	Art. no.
18 Ah	**MTN668991**

Lead gel battery for connecting to the emergency power supply REG.
Nominal voltage: DC 12 V
Capacity: 18 Ah
In KNX, to be completed with:
SpaceLogic KNX REG emergency power supply MTN683901

System Coupler

SpaceLogic KNX Coupler DIN Rail

Version	Art. no.
	MTN6500-0101

For logical connection and electrical isolation of lines and areas.
The device supports KNX Secure. This option can be activated in the ETS. As a secure line coupler, the device enables the forwarding of both secured and unsecured communication. In addition, access to the device itself (e.g. for a download) is protected by KNX Secure.
The device has a filter table (8k bytes) and ensures a galvanic separation between the lines.
The coupler supports KNX longframes and is compatible with the ETS 5 software. With 2 integrated push-buttons for testing purpose and 3 status LEDs.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using bus connecting terminals.
KNX software functions: The device can be used as a area / line coupler or as a repeater for forming line segments in existing or new KNX systems. The function as a coupler or repeater can be parameterised.
Functions as coupler:
Use as a area or line coupler depending on the physical address. Reduction of the bus load through the filter function (filter table). Support of the full address area (Group 0-31) with filter function. Forwarding of individual addressed telegrams (sub line => main line, main line => sub line) can be parameterised. Forwarding of group telegrams (sub line => main line, main line => sub line) can be parameterised. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams. Telegram confirmation for group telegrams and physically addressed telegrams can be parameterised separately.
Functions as repeater:
Expansion of a line into segments. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams.
Device width: 1 modules = approx. 18 mm
Note: This application requires ETS 5 or higher.
Contents: With 2 bus connecting terminals and 2 cable covers.

SpaceLogic KNX IP Router DIN Rail

Version	Art. no.
	MTN6500-0103

The SpaceLogic KNX IP Router allows forwarding of telegrams between different lines through a LAN (IP) as a fast backbone. In addition this KNX IP Router is suited to connect a PC to the KNX network e.g. for ETS programming.
The KNX IP Router supports KNX Secure which can be enabled in ETS. As secure router the device allows coupling of not secured communication on KNX TP to a secured IP backbone.
For the interface functionality (tunneling) KNX security prevents from unauthorized access.
The router supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively. This KNX IP Router works according to the KNXnet/IP specification using the core, the device management, the tunneling and the routing part.
The SpaceLogic KNX IP Router has an extended filter table for main group 0..31 and is able to buffer up to 150 telegrams. The Router is powered by the KNX bus. An additional power supply is not needed. With 2 integrated push-buttons for testing purpose and 3 status LEDs.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is conneted via RJ45 socket.
Device width: 1 module = approx. 18 mm
Note: This application requires ETS 5 or higher.
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX IP Interface DIN Rail

Version	Art. no.
	MTN6502-0105

The SpaceLogic KNX IP Interface is an interface between IP and KNX. You can access the KNX Bus from every point of your LAN. The SpaceLogic KNX IP Interface can be used as programming interface for ETS 5 Software and allows to access the KNX bus over the Internet via VPN.
The device supports KNX Secure which can be enabled in ETS. With its interface functionality (tunneling) KNX security prevents from unauthorized access. The device supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. With 2 integrated push-buttons to select the tunneling channel and 3 status LEDs.
The Interface is powered by the KNX bus. An additional power supply is not needed.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is conneted via RJ45 socket.
Device width: 1 module = approx. 18 mm
Note: This application requires ETS 5 or higher.
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX USB Interface DIN Rail

Version	Art. no.
	MTN6502-0101

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).
The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.
The KNX USB interface supports KNX “longframe” communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Device width: 1 module = approx. 18 mm
Contents: With bus connecting terminal and cable cover.

System Accessories

Bus connecting terminal

Version	Art. no.
red/dark grey	**MTN689701**

For connecting max. 4 core pairs to an KNX device, can also be used as a branch terminal.
Consists of two interlocked terminal parts in red (“+”) and dark grey (“-”), each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm.
Contents: 1 PU = 50 terminals.

Branch terminal, yellow/white

Version	Art. no.
yellow/white	**MTN689702**

Branch terminal comprising two interlocking terminal parts in yellow and white, each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm.
For wiring the yellow/white cores of the bus cable.
Contents: 1 PU = 50 terminals.

IR universal remote control

Version	Art. no.	
black/white	**MTN5761-0000**	**Discontinued**

10 channel IR remote control. For the control of all TELE sensor covers, blind push-buttons with IR receiver, presence detectors with IR receivers and KNX devices with IR receivers.
Battery: 2 microcells (IEC LR 0.3 AAA)
(not included)
Range: up to 12 m
Receiver: TELE sensor cover System M MTN5779.., MTN5703..
Blind push-button with IR receiver and sensor connection System M MTN5880.., MTN5864..
ARGUS Presence Master with IR, relay 1-gang MTN5510-1119
ARGUS Presence Master with IR, relay 2-gang MTN5510-1219
ARGUS Presence Master with IR, 1-10 V MTN5510-1419
ARGUS Presence Master with IR, DALI MTN5510-1519
KNX ARGUS Presence with light control and IR receiver MTN6309..
Push-button, 4-gang plus with IR receiver System M MTN6279.., MTN6175..
Unica MGU5.532.18, MGU5.532.25
Unica Top MGU5.532.12, MGU5.532.30
Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..
Contents: Without battery.

Logic Module

SpaceLogic KNX Logic module Basic REG-K

Version	Art. no.
light grey	**MTN676090**

In KNX installations, the logic module serves as a logic and control device. It has 10 logic, 10 filter/timer, 8 converter and 12 multiplexer modules.
With 3 freely programmable push-buttons and 3 status LEDs. They can be assigned control and test functions and can be operated on the device.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions:

10 logic modules (AND, OR, XOR)
- Each with up to 8 binary input objects and an output object.
- Input and output object inversion.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

10 filter and timer modules
- Binary input objects and an output object with time delays.
- Binary input object filtering before output.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

8 converter modules
- Conversion of 1 bit switching telegrams into 2 bit priority control.
- Conversion of 1 bit switching telegrams into 8 bit value telegrams.
- Conversion of 8 bit value telegrams into 1 bit switching telegrams.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

12 multiplexer modules (lighting control)

Multiplexer modules are used to selectively control telegrams, e.g. to toggle between single room and total room control for conference rooms with partition walls.
- Supported telegram formats by module: 1 bit, 2 bit, 4 bit, 8 bit , 2 byte.
- A module can be used for the 4 byte format.
- Telegram forwarding/blocking in one or both directions using the control object.
- Adjustable gate behaviour.
- Adjustable control object behaviour.
- Output disable via gate function.
- Adjustable sending behaviour.
- Adjustable sending delay.

Push-button and LED assignment
- The three push-buttons and the three LEDs can be freely assigned with binary objects.
- Behaviour per LED.
- Behaviour per push-button.

Behaviour after bus reset
- Adjustable module start-up delay after bus voltage recovery.

Device width: 2.5 module = approx. 45 mm

Energy Measurement

SpaceLogic KNX Energy Meter, REG-K/3x230 V/16 A

Version	Art. no.
light grey	**MTN6600-0603**

Device for measuring and monitoring energy consumption at up to three channels. Different phases can be connected to the channels. The data is transmitted to the KNX bus for analysis and visualisation.
There is a resettable energy counter and a total energy counter for each channel. The device saves the values in the event of a power failure. If one of up to 8 threshold values is exceeded, telegrams for energy-saving and alarm functions can be sent to different loads via the bus.
The energy meter can receive energy values measured externally (e.g. from other energy meters or switch actuators with current detection) via the KNX bus and summate them.
With screw terminals.
Suitable for installation on DIN rails TH35 according to EN 60715.
KNX software functions: Functions per channel:
Adjustable energy unit (Wh/kWh). Energy meter (resettable). Total energy meter. Adjustable transmission of power and current values.
Energy-saving function: telegrams for saving energy (switch object, value object, dimming object, scene object and temperature object) are sent when one of up to 8 threshold values is exceeded. 8 separately adjustable threshold values with tolerance (selectable via object). Adjustable tolerances and delays.
Alarm function: alarms are sent when current values fall above or below threshold values. Adjustable tolerances and delays.
Functions for all channels:
Consumption values with time stamp. Time can be received via an external KNX timer.
Adjustable nominal voltage (210-240 V). 4 energy counters to count seperatly depending on tariff. Summation of energy values from several channels and external energy values. Status responses regarding bus voltage failure, exceedance of power, total power and tariff meters.
Energy measurement:
Number of channels: 3
Nominal voltage: AC 220/230 V, 50/60 Hz
Max. current per channel: 16 A
Min. current per channel: 20 mA (power factor 1)
Detection accuracy:
Power and current measurement (calculated): max. 10 %
Capacity of total power meter: > 2 million kWh
Temperature range: -5°C to + 45°C
Type of protection: IP 20
Device width: 4 modules = approx. 72 mm

Energy Meter

Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels

Version	Art. no.	
80 A, 6 circuits	**R9M80X6M**	**New**

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80A (R9MCT80).
The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:
- Voltage (single-phase)
- Current per circuit
- Active power per circuit (single-phase)
- Power factor (single-phase)
- Frequency (single-phase)

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.
- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS-485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN 60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs
Measured voltage: AC 230 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs
Measured current: 20 mA to 80 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment
Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:
Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 4 LEDs (power, alarm, communication, digital output), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 27 x 70 x 113.6 mm

To be completed with: SET of 6 Resi9 current transformers 80A, R9MCT80.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS100100

Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels

Version	Art. no.	
80 A, 160 A, 250 A, 6 circuits	**R9MUX6M**	**New**

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase and three-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80 A (R9MCT80), 160 A (R9MCT160), and 250 A (R9MCT250).
The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:
- Voltage (single-phase and three-phase)
- Current per circuit
- Active power (single-phase and three-phase)
- Power factor (single-phase and three-phase)
- Frequency

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.
- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs
Measured voltage: 3 of AC 230 V / 400 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs
Measured current: 20 mA to 80 A, 40 mA to 160 A, 40 mA to 250 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment
Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:
Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 5 LEDs (power, alarm, communication, digital output 1, and digital output 2), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 36 x 70 x 114.6 mm

To be completed with: SET of 6 Resi9 current transformers 80 A, R9MCT80.
SET of 3 Resi9 current transformers 160 A, R9MCT160 / 250 A, R9MCT250.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS10010

SET of 6 Resi9 current transformerts 80 A

Version	Art. no.	
80 A	**R9MCT80**	**New**

The current transformer 80 A is used for current sensing. One set contains 6 units of 80 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 10 mm
Dimensions (W x L x H): 27 x 13 x 29.5 mm
Cable length: 1 m (can be reduced or extended to max. 1.5 m without affecting the accuracy)
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 8x 1.5 mm² / 6x 2.5 mm² / 4x 4 mm² / 2x 6 mm² / 1x 10 mm² / 1x 16 mm²

To be completed with:
- Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels, R9M80X6M.
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformerts 160 A

Version	Art. no.	
160 A	**R9MCT160**	**New**

The current transformer 160 A is used for current sensing. One set contains 3 units of 160 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 19 mm
Dimensions (W x L x H): 48 x 29 x 54 mm
Cable length: 1.5 m
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 16 mm² / 2x 25 mm² / 1x 35 mm² / 1x 50 mm² / 1x 70 mm²

To be completed with:
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformerts 250 A

Version	Art. no.	
250 A	**R9MCT250**	**New**

The current transformer 250 A is used for current sensing. One set contains 3 units of 250 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 27 mm
Dimensions (W x L x H): 60 x 29 x 66 mm
Cable length: 1.5 m
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 35 mm² / 1x 50 mm² / 1x 70 mm² / 1x 95 mm² / 1x 125 mm² / 1x 150 mm² / 1x 185 mm²

To be completed with:
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

Data Interfaces

SpaceLogic KNX IP Interface DIN Rail

Version	Art. no.
	MTN6502-0105

The SpaceLogic KNX IP Interface is an interface between IP and KNX. You can access the KNX Bus from every point of your LAN. The SpaceLogic KNX IP Interface can be used as programming interface for ETS 5 Software and allows to access the KNX bus over the Internet via VPN.
The device supports KNX Secure which can be enabled in ETS. With its interface functionality (tunneling) KNX security prevents from unauthorized access. The device supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. With 2 integrated push-buttons to select the tunneling channel and 3 status LEDs.
The Interface is powered by the KNX bus. An additional power supply is not needed.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is conneted via RJ45 socket.
Device width: 1 module = approx. 18 mm
Note: This application requires ETS 5 or higher.
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX USB Interface DIN Rail

Version	Art. no.
	MTN6502-0101

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).
The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.
The KNX USB interface supports KNX “longframe” communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Device width: 1 module = approx. 18 mm
Contents: With bus connecting terminal and cable cover.

Central plate with square opening

Version	Art. no.	
☐ polar white, glossy	**MTN296019**	**Discontinued**

For System M.
for loudspeaker connection inserts or flush-mounted USB interface.
To be completed with: Telephone socket-outlet TAE, 1-gang MTN465206, Telephone socket-outlet TAE, 3-gang MTN465226/36, Combination socket-outlet RJ45/TAE (Cat 3) MTN465707, Loudspeaker connection insert, 1-gang MTN466919/14, Loudspeaker connection insert, 2-gang MTN467019/14, USB power supply MTN4366-0000

Controller/Gateways
Data Interfaces

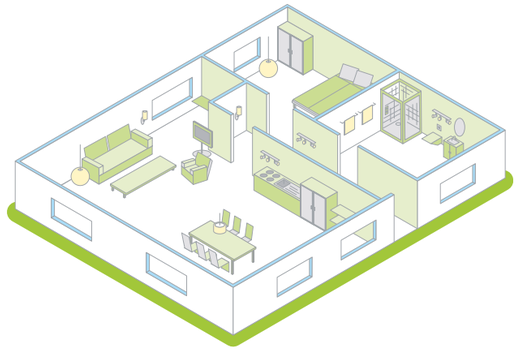
Wiser for KNX

KNX home automation

Wiser for KNX is the perfect choice for houses, collective homes and flats. With 150 BACnet points it is perfectly suitable for an integration in a large building management system of the complete residential building.

Wiser for KNX connects KNX systems and Modbus meters, which conveniently allows control of building functions like lights, shutters and heating and enables energy monitoring with record data on a daily, monthly and yearly basis. Wiser for KNX enables to create advanced logic functions in order to opti-mize energy efficiency and comfort at home.

Wiser for KNX
is perfectly set for
residential buildings



IP connection
for communication in BACnet (server), Modbus, KNX and web services, access to web server to configure and display user interface; IP camera connection

150 points — BACnet

USB port
(Enocean USB key, 3G modem, etc.)

Modbus serial port
links to any devices(Smartlink, IEM, PM, ie.)

10 devices — Modbus devices
That can be connected simultaneously

KNX connection
for communication with KNX products

8 users — Number of Users

RS232 connection
to control music players, video projectors, etc.

Controller/Gateways
Wiser for KNX

JETZT BEI Google Play

Laden im App Store

Solutions are tested
and validated according
to Schneider Electric
process

Wiser for KNX

Version	Art. no.
	LSS100100

Wiser for KNX is the perfect choice for single or multi-family houses or residential complexes and integrates a wide range of control functions to improve comfort, security and flexibility for the residents and owners. The system is future proof, interoperable, and scalable.
With its integrated visualization, the installation's energy consumption can be displayed and monitored through PC's and mobile devices. The stored data can also be exported for further analysis (e.g. as .CSV).

Features:
- Freely programmable logic controller with integrated web server
- Configurable visualization alternatives: Custom Visualization or Touch (through Widgets) for PC and mobile devices
- Marketplace with applications to download and extend the controller's functionality
- Sonos and Revox sound systems integration
- Somfy and Danfoss Integration
- Philips Hue support
- IFTTT support
- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- Integration of IP cameras
- Data logger with trend display and export function
- Modbus (10 devices)
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure
- KNX IP and Data Secure

Supply voltage: 24 V DC (not included)
Power consumption: 2 W
Display elements:
- LED indicator 1: Green LED (CPU load)
- LED indicator 2: Green LED (Operation) or Red LED (Reset)
Controls: 1x reset button
Interface: 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0
Terminals:
- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply:** 0.5 mm²–1.5 mm²
- **Serial interfaces:** 0.5 mm²–1.5 mm²
Operation: -5°C to +45°C
Dimension: 90 x 52 x 58 mm (HxWxD)
Device width: 3 modules = approx. 54 mm
To be completed with: SpaceLogic KNX Power Supply 24VDC - 0,4A (MTN693003).

Trademark Notice
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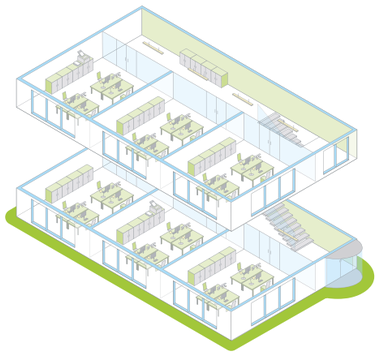
spaceLYnk

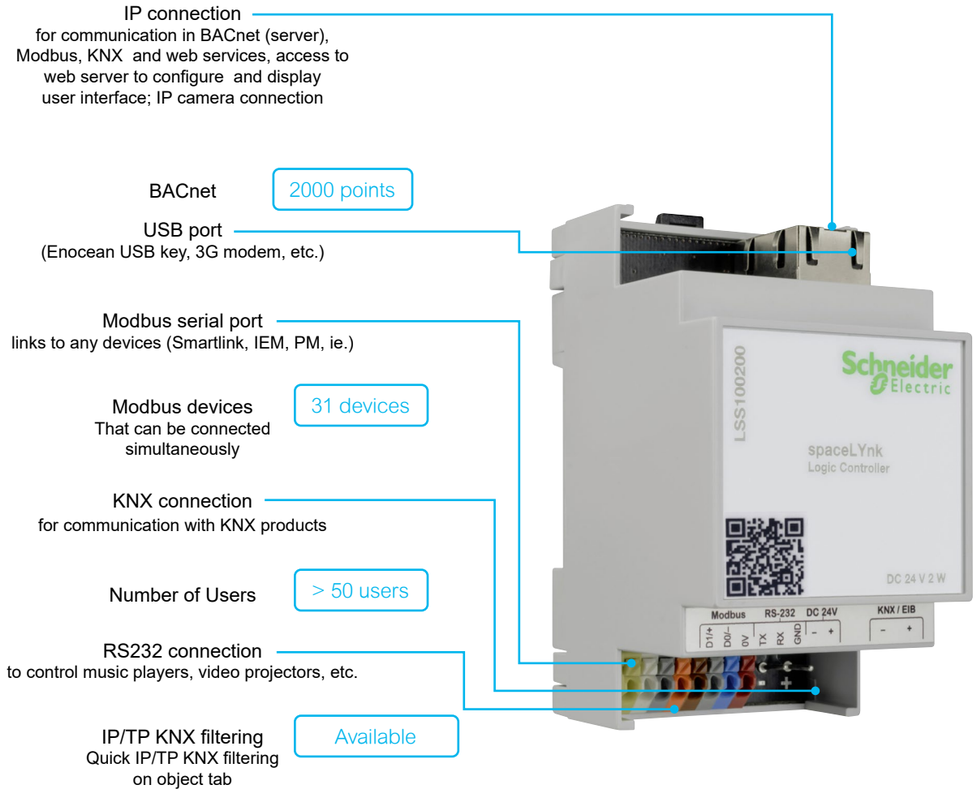
Building automation

In buildings spaceLYnk provides the ideal solution. Thanks to 2000 BACnet points spaceLYnk can easily be integrated into complete building management systems.

spaceLYnk allows efficient facility management thanks to the convenient web-based user interface with maintenance information like lamp statuses and easy scheduling of all building functions. The webbased interface is accessible from everywhere, enabling remote maintenance.

spaceLYnk
is perfectly set for
commercial buildings





Solutions are tested and validated according to Schneider Electric process

spaceLYnk

Version	Art. no.
	LSS100200

spaceLYnk is the ideal solution for commercial buildings. Thanks to its 2,000 BACnet data points and 31 Modbus devices, spaceLYnk can be effortlessly integrated into complete energy and building management systems.

SpaceLYnk can be used:
- As a KNX logic controller for the creation of complex building automation solutions
- As a building automation solution for small and medium-sized buildings with complete control including LRC (lighting and room control (KNX)) and measurement technology (Modbus devices, Smartlink RTU and IP)
- As a Cross-sector communication for large buildings with complete control via SBO EcoS-truXure ™ (BMS from Schneider Electric).
- As a gateway for communication between different products and protocols.
- As a data storage device, for analyzing and exporting the data (e.g. as .csv).
- As a user interface for the display and control of relevant information on PCs and mobile devices.

Features:
- Freely programmable logic controller with integrated web server
- WEB SCADA visualization for PC and mobile devices
- Marketplace with applications to download and extend the controller's functionality
- IFTT support
- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- BACnet server (2000 data points)
- Modbus (31 devices)
- Login visualization (>50 users)
- User management tool to define user access and visibility
- Predefined Modbus templates
- BACnet certified "BACnet Application Specific Controller (B-ASC)"
- Integration of IP cameras
- Simple function block programming
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure
- KNX IP and Data Secure

Supply voltage: 24 V DC (not included)
Power consumption: 2 W
Display elements:
- **LED indicator 1:** Green LED (CPU load)
- **LED indicator 2:** Green LED (Operation) or Red LED (Reset)
Controls: 1x reset button
Interfaces: 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0
Terminals:
- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply:** 0.5 mm²–1.5 mm²
- **Serial interfaces:** 0.5 mm²–1.5 mm²
Operation: -5°C to +45°C
Dimension: 90 x 52 x 58 mm (HxWxD)
Device width: 3 modules = approx. 54 mm

Trademark Notice
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BMS IP Gateway

SpaceLogic KNX BMS IP Gateway

Version	Art. no.
grey	**LSS100300**

The SpaceLogic KNX BMS IP Gateway is a bidirectional multifunctional device that allows integration of Spacelogic KNX installations within Ecostruxure Building Operation. The main communication interface is KNX TP with BAC protocol.

The device combines three functions in one device:
- KNX IP router (max. 500 objects)
- KNX IP interface
- DPSU choke power supply

The Gateway is designed for commercial installations and certified by BTL as Application Specific Controller (B-ASC) which ensures 100% compatibility, and at the same time, guarantees a seamless integration with any BACnet device.

Features:
- Number of BACnet objects: 4,000
- Number of BACnet subscriptions (COV) requests: 4,000
- KNX group objects: 4,000
- KNX IP routing objects: 500
- KNX IP Secure compatibility
- KNXP IP tunneling, commissioning of KNX devices, long frame support
- HTTP / HTTPS / NTP servers
- Direct import of *knxproj file with automatic filtering tables

Power supply voltage: DC 12 V - 30 V SELV
Power consumption: 2 W
Power Supply DPSU choke: DC 21 V - 31 V SELV
DPSU choke: rated current max. 320 mA, chort circuit proof, tripping current ≤1A
Display elements:
- **LED indicator 1:** Green LED (CPU load)
- **LED indicator 2:** Green LED (Operation) or Red LED (Reset)
Controls: 1x reset button, 2 jumpers (PoE and POW)
Interfaces: 1x RJ45 Ethernet 10/100 Mbit/s
Terminals:
- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply/Power supply DPSU choke:** 2-gang/3gang pluggable screw terminal for max. 2x 0.5 mm²–1.5 mm²
Protection type: IP20
Ambient temperature operation: 0°C to +45°C
Device width: 4 modules = approx. 72 mm
BACnet Protocol Revision: 22
BACnet Device Profile: B-ASC, B-GW

Trademark Notice
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Hybrid Module

SpaceLogic KNX Hybrid Module

Version	Art. no.
white	**LSS100400**

The Hybrid Module integrates ZigBee® wireless devices from Wiser™ offer to an installation that is realized with the controller Wiser for KNX (LSS100100) or spaceLYnk (LSS100200). The user is then able to control Wiser™ devices from their KNX installation and control KNX devices from their Wiser™ devices. The Hybrid Module and its configuration plugin is designed for residential and commercial installations.

The Hybrid Module is powered by separate 24 V power supply and connected to the controller via RS232 communication interface. Once the ZigBee devices are paired with the controller, they are mapped in KNX objects and can be used like any other KNX device. Moreover when Wiser for KNX is used, the wireless devices can be controlled via the Wiser KNX app (Wiser KNX App, available in specific countries).

Because the list of Wiser devices is constantly growing, please visit https://www.go2se.com/ref=LSS100400 in order to refer manual for latest supported device list. The supported devices may vary depending on the country.

Features:
- Hybrid Plugin is available on Marketplace always up to date
- Easy integration and configuration of ZigBee wireless devices
- Automatic upgrade of the firmware of the Hybrid Module and connected ZigBee wireless devices so the installation is always well maintained and up to date

Supply voltage: DC 24 V
Display elements: LED bicolor (Red/Orange)
Interfaces: Antenna, RS232 communication (TX, RX, GND) and DC 24 V power supply(-/+)
Ambient temperature operation: 0°C to +45°C
Device width: 1 modules = approx. 18 mm

Antenna
Transmitting frequency: 2405 MHz ... 2480 MHz
Transmitting power: max. +10 dBm (10 mW)
Cable length: 3 m

Scope of delivery: SpaceLogic KNX Hybrid Module, Antenna

DALI Gateways

SpaceLogic KNX DALI Gateway Broadcast Master 4 channel/32

Version	Art. no.	
white	**MTN6725-0005S**	**New**

The SpaceLogic KNX DALI Gateway Broadcast Master is a 4-channel single master application controller for controlling electronic ballasts with DALI interface via the KNX installation bus. Up to 32 ECGs can be connected to each channel. Ballasts are supported both according to IEC 62386-102 ed1 (DALI1) and IEC 62386-102 ed2 (DALI2). The device is sending DALI broadcast commands to the ballasts. Commissioning of the ballasts is not necessary.

Futher more this is a Master device where you can connect in the future a maximum of two Extension devices. (DALI: MTN6825-0005 or Switch: MTN6805-0008).

The device converts switching and dimming commands from the connected KNX system into corresponding DALI telegrams, or status and event information from the DALI bus into KNX telegrams.

The power supply required for the connected ECGs comes directly from the device. Additional DALI power supplies are not required

Functions:
- 4 independent DALI channels for broadcast control, electrically isolated into two groups
- Simultaneous control of up to 32 ECGs per channel
- No DALI commissioning or identification of the DALI luminaires required
- Extensive control of the channels via various KNX communication objects
- Colored light control with support for Device Type 8 (DT-8) ballasts:
  - Color temperature (DT-8 Sub-Type Tc)
  - RGB (DT-8 Sub-Type RGBWAF)
  - HSV (DT-8 Sub-Type RGBWAF)
  - RGBW (DT-8 Sub-Type RGBWAF)
- Automatic change of the color temperature depending on the light value (Dimm-To-Cold)
- Broadcast objects for controlling all connected ECGs simultaneously
- Various operating modes for channels such as continuous operation, night operation, staircase timer
- Timer for switch-on and switch-off delays
- Integrated operating hours counter for each channel with alarm when the service life is reached
- Individual fault detection of lamps and ECG faults for each channel with alarm
- Scene module for up to 16 scenes, which can be assigned to KNX scenes 1..64 as required
- “Energy-saving function” allows the ECG mains power to be switched off when the light is switched off via additional switching actuators
- Manual operation via operating buttons on the device
- Signaling of error states and status diagnostics via LEDs on the device

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Supply voltage: KNX Bus, DC 24 V (SELV)
Power consumption Master: approx. 6.5 mA
Insulation: Protective separation between the KNX bus and the mains voltage. Basic insulation between the 2-DALI power supplies.
KNX: TP1-256, KNX Secure
DALI:
Operating voltage for Dali power supply: 100 to 240 V, 50/60 Hz AC or DC
Maximum power consumption: < 8 W
4 Outputs: D+/D-
Number of ECGs: max. 32 ECGs in accordance with IEC 62386-101 ed1 and ed 2 per channel, 128 ECGs in total
DALI voltage: typically 18 VDC, short-circuitproof max. 250mA, basic insulation (no SELV)
Guaranteed supply current: 64 mA per channel
Maximum supply current: max. 250 mA per channel
Shutdown delay: 600ms after DALI short circuit
Start-up attempt after shutdown: 5s after short-circuit detection
Recommended cable cross-section: min. 1.5 mm²
Wire range: Supply 1.5-4 mm², DALI: 1.5-4 mm²
Type of protection: IP 20
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal.

SpaceLogic KNX DALI Gateway Pro

Version	Art. no.
	MTN6725-0101

The SpaceLogic KNX DALI Gateway Pro controls electronic ballasts with DALI interface via the KNX installation bus. The gateway is DALI 2.0 multi-master certified.

The gateway supports KNX longframe communication and is compatible with KNX Secure telegram/devices and can be enable in the ETS 5 software. In addition, access to the device itself (e.g. for a download) is protected by KNX Secure

It supports ballasts according to EN 62386-102 ed1 (DALI1), devices according to EN 62386-102 ed2 (DALI2), as well as DALI2 motion sensors and light sensors according to EN 62386-303 and EN 62386-304.

The gateway has a DALI output which can control up to 64 ECGs. In addition, up to 8 DALI2 motion detectors or light sensors can be connected. Multi-master operation according to EN 62386-103 ed2 is permitted. The required power supply for the connected ECGs and motion sensors is provided directly from the device. Additional DALI power supplies are not required.

Per gateway the ECGs can be controlled in 16 groups. In addition to the group control the gateway also allows individual control of up to 64 ECGs.

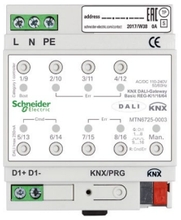
In addition the gateway allows the operation of single battery emergency lights (EN 62386-202). Emergency lighting systems with central battery are also supported.

DALI commissioning and configuration, as well as group assignment and scene setting, can be carried out using:
- the device (display and operating buttons which can be optionally disabled),
- the DCA software,
- the integrated Web server

Functions:
- Two separate user profiles with their own password for IP-webserver
- Effect module with 16 effects and a total of up to 500 commands
- Configuring: scenes, effects, service, maintenance, burn-in, operating hours
- Fast Firmware upgrade possible via IP portOperating: device, ECGs, groups and broadcast
- Colour control via KNX for broadcast and groups
- Displays: Status and error messages
- DT8-Colour control on the DALI side, up to 16 colour templates with up to 300 commands basing on a weekly timer
- DALI-scenes with brightness and colour values
- Scene number 1-64 can be flexible distributed over several devices
- Tunable white control to improve the environment for human beings. Colour control i.e. product presentation, advertising
- Possibility to lock the IP-port
- Possibility to access as User or Admin the web server
- Possibility to enable MQTT client support for Lighting Control via IP Interface
- Flexible post installation and a DCA with im- and export for DALI configuration
- Possibility to save ECG StandBy energy of DALI groups if switched OFF

KNX software functions: Switching, dimming and value object per group or ECG, constant light control function. Staircase timer function, status objects, delays between status feedbacks. Detailed error messages per EB and group. Test of DALI ECGs for emergency lighting with central battery or built-in battery with selectable test intervals with old or new format. Parallel broadcast triggering of all ECGs, switch-on/switch-off and colour control. Dimming speeds for relative dimming and dimming values. Dimming value max./min. Various modes (normal, permanent, night, panic). Operating hours counter and automatic burn-in per ECG.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Supply voltage: AC/DC 100-240 V, 50-60 Hz
Outputs: DALI D+, D-, typical DC 18 V, short-circuit proof, max 250 mA, basic insulation (no SELV)
Type: Multi-Master Application Controller
Supply current: max. 250 mA, guaranteed 160 mA
Interfaces: KNX, RJ-45 Ethernet 100BaseT, DALI
Wire range: Supply 0.5-4 mm², DALI: 0.4-4 mm²
Type of protection: IP 20
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal.



SpaceLogic KNX DALI Gateway Basic REG-K/1/16/64

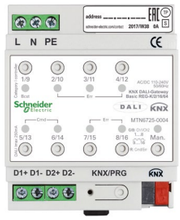
Version	Art. no.
	MTN6725-0003

The KNX DALI Gateway connects the KNX bus to 1 DALI output. The gateway is a category I DALI control device with an integrated DALI power supply for the ECGs. The device is a Single-Master Application Controller according to EN 62386 ed/1 and ed/2. Starting with firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 and is DALI-2.0 single master certified.

It is able to control DALI ECGs ed/1 and ed/2 -also mixed- but according to single-master controller it cannot support DALI-2 sensors like movement- and presence detectors, switches etc. It supports the switching and dimming of up to 64 ECGs in 16 groups and the control of more than 16 scenes.

Different colour commands (e.g. white tone control, RGB, XY and HSV) can be interpreted by KNX push-buttons, for example, and DALI DT8 lights can be activated accordingly.
The operating hours meter logs the operating hours for the groups. Error messages from individual ECGs and groups can be transmitted via the KNX and visualised.
A colour control module allows up to 16 time switch functions for brightness and colour on a weekly basis, provided that the device is connected to a time update system. The up to 16 time programmes with up to 300 commands per DALI output can be enabled or disabled using KNX objects. DALI commissioning and configuration, group allocation and scene set-up can be carried out using the ETS application and an ETS app (DCA).
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch. (Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s.
The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.
Supply voltage: AC/DC 100-240 V, 50-60 Hz
Outputs: 1x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)
Output current: max. 250 mA, min. 128 mA
Interfaces: KNX, DALI
Type: Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible
Wire range: Mains supply or DALI: 1 - 2.5 mm²
IP protection rating: IP20
Housing width: 4 HP = approx. 69 mm
Contents: With bus connecting terminal.

Controller/Gateways
DALI Gateways



SpaceLogic KNX DALI Gateway Basic REG-K/2/16/64

Version	Art. no.
	MTN6725-0004

The KNX DALI Gateway connects the KNX bus to **2 DALI outputs**. The gateway is a category I DALI control device with an integrated DALI power supply for the ECGs. The device is a Single-Master Controller according to EN 62386 ed/1 and ed/2. Starting with firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 and is DALI-2.0 single master certified.

It is able to control DALI ECGs ed/1 and ed/2 -also mixed- but according to single-master controller it cannot support DALI-2 sensors like movement- and presence detectors, switches etc. For each DALI output, it supports the switching and dimming of up to 64 ECGs in 16 groups and the control of more than 16 scenes.
Different colour commands (e.g. white tone control, RGB, XY and HSV) can be interpreted by KNX push-buttons, for example, and DALI DT8 lights can be activated accordingly.
The operating hours meter logs the operating hours for the groups. Error messages from individual ECGs and groups can be transmitted via the KNX and visualised.
A colour control module allows up to 16 time switch functions for brightness and colour on a weekly basis, provided that the device is connected to a time update system. The up to 16 time programmes with up to 300 commands per DALI output can be enabled or disabled using KNX objects. DALI commissioning and configuration, group allocation and scene set-up can be carried out using the ETS application and an ETS app (DCA).
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch. (Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s.
The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.
Supply voltage: AC/DC 100-240 V, 50/60 Hz
Outputs: 2x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)
Output current: max. 250 mA, min. 128 mA
Interfaces: KNX, DALI
Type: Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible
Wire range: Mains supply or DALI: 1.5 - 2.5 mm²
IP protection rating: IP20
Housing width: 4 HP = approx. 69 mm

Design-Independent

SpaceLogic KNX Touch IP 7

Version	Art. no.	
white	**MTN6260-7770**	**Discontinued**
black	**MTN6260-7760**	**Discontinued**

The SpaceLogic KNX Touch IP 7 inch is a touch screen used to display the visualization from Wiser for KNX or spaceLYnk logic controllers. It can be installed in both Residential and Commercial buildings and in new or existing KNX installations.

The touch panel can display the widget-based Touch visualization or the PC/Tablet visualization with the possibility of realistic graphics. It can also display the new Wiser KNX App, in case the user would like to control their KNX installation in a similar way as from his Smartphone.

All interaction with the touch panel is very easy and efficient, adapted to the needs of the modern concept of smart homes and buildings. The installation can be done horizontally or vertically allowing landscape or portrait mode.

The touch panel is equipped with an embedded application, making the configuration easy and fast. Thanks to WiFi connectivity the installation of touch panel is easier and provides a freedom in choosing of installation location.

An over the air update (OTAU) feature available in the touch panel keeps the solution always up to date and secure. The Touch Panel can be installed surface mounted, anywhere were there would be a 24 V cables to power it.

TouchPanel
Screen diagonal: 17.47 cm (7")
Resolution: 1024 x 600
Type: Colorful TFT LCD & multi-touch capacitive screen

Horizontal orientation
Vertical top / bottom viewing angle: 30° / 70°
Horizontal right / left viewing angle: 70° / 70°

Vertical orientation
Vertical top / bottom viewing angle: 70° / 70°
Horizontal right / left viewing angle: 30° / 70°

Power
2-wire power supply: DC 24 V
Current consumption in standby state (mA): 90 mA
Current consumption in activestate (mA): 240 mA

Wi-Fi®
Frequency band: IEEE 802.11 a/b/g/n/ac 2.4/5 GHz (2400-2483.5 MHz, 5150-5250 MHz)

Environmental conditions
Operating temperature: -10 °C to +55 °C
Operating Humidity: 0% to 95% RH no condensing
Storage temperature: -25 °C to +70 °C
Storage humidity: 0 % to 95 % RH no condensing
IP rating: IP30

Dimensions and weight
Dimensions (W x H x D): 132.76 x 196.65 x 23.91 mm
Weight: 448 g / 814 g (with package)

Location
When choosing the installation location, the maximum cable length must be observed.
The following shows the lengths from the touch panel to the respective assemblies in the system.
- YR 2x0.8 mm, J-Y(ST)Y 2x2x0.8 mm, A-2Y(L)2Y 2x2x0.8 mm: cable must not be longer than 120 m.
- A-2Y(L)2Y 2x2x0.6 mm, J-Y(ST)Y 2x2x0.6 mm: cable must not be longer than 80 m.

KNX Secure 4" Touch Unit

Version	Art. no.	
glass	**MTN6215-0410S**	**New**

The KNX Secure 4" Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
KNX: KNX Secure
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

SpaceLogic KNX 4" Touch Unit

Version	Art. no.
glass	**MTN6215-0410**

The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

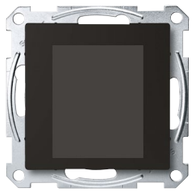
Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm
Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

System M / System D



KNX Multitouch Pro

Version	Art. no.	
	MTN6215-0310	**Discontinued**

For System M.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit
with touch display MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

KNX Multitouch Pro

Version	Art. no.	
	MTN6215-5910	**Discontinued**

For System D.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

Dismantling protection

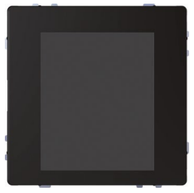
Version	Art. no.
	MTN6270-0000

Prevents the KNX Push-buttons Pro/Pro T, KNX Multi-Touch Pro, and 4” Touch Unit from being removed easily.
In KNX, to be completed with:
KNX Push-button ProT
System M MTN6185-03/04..
System Design MTN6185-60..
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910
SpaceLogic KNX 4” Touch Unit MTN6215-0410
Contents: 2 stainless steel hooks.

Remote sensor for universal room temperature control unit with touch display

Version	Art. no.	
	MTN5775-0003	**Discontinued**

For use with underfloor heating systems.
To be completed with: Universal temperature control unit insert with touch display MTN5775-0000
Programmable universal temperature control unit insert with touch display MTN5776-0000
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910



KNX Multitouch Pro

Version	Art. no.	
	MTN6216-5910	**Discontinued**

For the Danish market.
For System D.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
With fixing frame for DK-Fuga wall box.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display
MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With fixing frame for DK-Fuga wall box.
With bus connecting terminal.

Design-Independent

KNX Secure 4" Touch Unit

Version	Art. no.	
glass	**MTN6215-0410S**	**New**

The KNX Secure 4” Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today’s smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
KNX: KNX Secure
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

SpaceLogic KNX 4" Touch Unit

Version	Art. no.
glass	**MTN6215-0410**

The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

System M

KNX Push-button Pro T

Version		Art. no.
☐	polar white, glossy	**MTN6185-0319**
☐	active white, glossy	**MTN6185-0325**
■	anthracite	**MTN6185-0414**
■	aluminium	**MTN6185-0460**

For System M.
Push-button with 1 to 4 operating buttons and integrated temperature sensor for room temperature measurement.
The push button allows two different operation methods: either the normal manual operation via key stroke or the touchless operation triggered by proximity. The touchless operation allows to trigger 1 function, such as toggling or calling up a scene. Both operation methods cannot be performed simultaneously on the same push-button.
In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.
The position of the operating buttons varies depending on the selected number of operating buttons.
With status indicators.
With integrated bus coupler. The bus is connected using a bus connecting terminal.

ETS device functions:
- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

KNX software functions:
With touchless function: toggle, switch on, switch off, call up scene

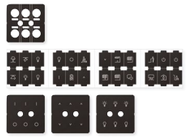
With normal manual operation there are 2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.

Proximity function: triggered by object or sensor, sensitivity adjustment

Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature

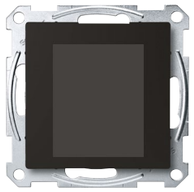
Accessories: Dismantling protection MTN6270-0000
Foil set for KNX Push-button Pro MTN6270-0010
Note: Programmable only with ETS5.
Contents: Device with inserted prefabricated foil.
With bus connecting terminal and supporting plate.
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



Foil set for KNX Push-button Pro

Version	Art. no.
	MTN6270-0010

Spare part
For System M.
For individual marking of the KNX Push-buttons Pro T.
In KNX, to be completed with: KNX Push-button Pro T MTN6185-03/04...
Contents: 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



KNX Multitouch Pro

Version	Art. no.	
	MTN6215-0310	**Discontinued**

For System M.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

Remote sensor for universal room temperature control unit with touch display

Version	Art. no.	
	MTN5775-0003	**Discontinued**

For use with underfloor heating systems.
To be completed with: Universal temperature control unit insert with touch display MTN5775-0000
Programmable universal temperature control unit insert with touch display MTN5776-0000
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910

Dismantling protection

Version	Art. no.
	MTN6270-0000

Prevents the KNX Push-buttons Pro T, KNX Multi-Touch Pro, and 4” Touch Unit from being removed easily.
In KNX, to be completed with:
KNX Push-button ProT
System M MTN6185-03/04..
System Design MTN6185-60..
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910
SpaceLogic KNX 4” Touch Unit MTN6215-0410
Contents: 2 stainless steel hooks.

Push-button, 1-gang plus

Version	Art. no.
white, glossy	**MTN617144**
polar white, glossy	**MTN617119**
active white, glossy	**MTN617125**
anthracite	**MTN627514**
aluminium	**MTN627560**

For System M.
With integrated bus coupling unit.
Push-button with 2 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Contents: With protective hood for plaster. With bus connecting terminal.

Push-button, 2-gang plus

Version	Art. no.
white, glossy	**MTN617244**
polar white, glossy	**MTN617219**
active white, glossy	**MTN617225**
anthracite	**MTN627614**
aluminium	**MTN627660**

For System M.
With integrated bus coupling unit.
Push-button with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Contents: With protective hood for plaster. With bus connecting terminal.

Push-button, 4-gang plus

Version	Art. no.
white, glossy	**MTN617444**
polar white, glossy	**MTN617419**
active white, glossy	**MTN617425**
anthracite	**MTN627814**
aluminium	**MTN627860**

For System M.
With integrated bus coupling unit.
Push-button with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Contents: With protective hood for plaster.
With bus connecting terminal.

Push-button, 4-gang plus with IR receiver

Version	Art. no.
polar white, glossy	**MTN617519**
anthracite	**MTN627914**
aluminium	**MTN627960**

For System M.
With integrated bus coupling unit.
Push-button with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
The functions of each of the keys can be triggered using an IR remote control.
The push-button is pre-programmed for operation with a Merten IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.
The device is connected to the bus line with a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Transmitter: IR universal remote control MTN5761-0000
Contents: With protective hood for plaster.
With bus connecting terminal.

Push-Buttons
System M

Push-button 2-gang plus with room temperature control unit

Version	Art. no.
polar white, glossy	**MTN6212-0319**
active white, glossy	**MTN6212-0325**
anthracite	**MTN6212-0414**
aluminium	**MTN6212-0460**

For System M.
Convenient control unit with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
With room temperature control unit and display.
With 5 red LEDs.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

Push-button 4-gang plus with room temperature control unit

Version	Art. no.
☐ polar white, glossy	**MTN6214-0319**
■ anthracite	**MTN6214-0414**
■ aluminium	**MTN6214-0460**

For System M.
Convenient control unit with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
With room temperature control unit and display.
With integrated piezoelectric buzzer to display alarm states and IR receiver. All functions of the respective buttons can be controlled via IR remote control.
With 9 red LEDs.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

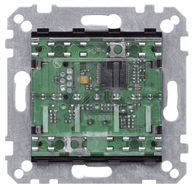
Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.
Transmitter: IR universal remote control MTN5761-0000
To be completed with: M-Smart frame, 2-gang without central bridge piece MTN4788.., M-Arc frame, 2-gang without central bridge piece MTN4858.., M-Star frame, 2-gang without central bridge piece MTN4668.., MTN4768.., MTN4868.., M-Plan frames, 2-gang without central bridge piece MTN4888.., MTN5158.., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038.., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.



Rocker for 1-gang push-button module

Version	Art. no.
☐ active white, glossy	**MTN619125**
■ anthracite	**MTN625114**
■ aluminium	**MTN625160**

For System M.
The rocker is attached to the 1-gang push-button module.
In KNX, to be completed with: KNX push-button module, 1-gang System M MTN625199

Rocker for 1-gang push-button module with up/down arrow imprint

Version	Art. no.
☐ polar white, glossy	**MTN619419**
☐ active white, glossy	**MTN619425**
■ anthracite	**MTN625514**
■ aluminium	**MTN625560**

For System M.
The rocker is attached to the 1-gang push-button module.
In KNX, to be completed with: KNX push-button module, 1-gang System M MTN625199

KNX push-button module, 1-gang

Version	Art. no.
	MTN625199

For System M.
Push-button module without rocker. With programmable status display.
The device is connected to the bus line with a bus connecting terminal. With integrated bus coupler.
KNX software functions: The push-buttons can be parameterised either as a pair (dual-surface) or individually (single-surface).
Single-surface: Switch ON or switch OFF, dimming, scenes.
Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds.
In KNX, to be completed with: Rocker for 1-gang push-button module System M MTN6191.., MTN6251.., Rocker for 1-gang push-button module with 1/0 imprint System M MTN6254.., MTN6193.., Rocker for 1-gang push-button module with up/down arrow imprint System M MTN6255.., MTN6194..

Rockers for 2-gang push-button module

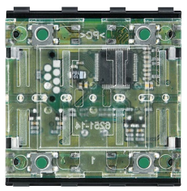
Version	Art. no.
☐ active white, glossy	**MTN619225**
■ anthracite	**MTN625214**
■ aluminium	**MTN625260**

For System M.
The rockers are attached to the 2-gang push-button module.
To be completed with: Push-button module, 2-gang System M MTN568499
In KNX, to be completed with: KNX push-button module, 2-gang System M MTN625299

Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint

Version	Art. no.
☐ polar white, glossy	**MTN619519**
☐ active white, glossy	**MTN619525**

For System M.
The rockers are attached to the 2-gang push-button module.
In KNX, to be completed with: KNX push-button module, 2-gang System M MTN625299



KNX push-button module, 2-gang

Version	Art. no.
	MTN625299

For System M.
Push-button module without rockers. With programmable status display.
The device is connected to the bus line with a bus connecting terminal. With integrated bus coupler.
KNX software functions: The push-buttons can be parameterised either as a pair (dual-surface) or individually (single-surface).
Single-surface: Switch ON or switch OFF, dimming, scenes.
Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds.
In KNX, to be completed with: Rockers for 2-gang push-button module System M MTN6192.., MTN6252.., Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint System M MTN6256.., MTN6195.., Rockers for 2-gang push-button module with up/down arrow and 1/0 imprint System M MTN6257.., MTN6196.., Rockers for 2-gang push-button module with up/down arrow imprint System M MTN6258.., MTN6197..

System D

KNX Secure Push Button Dynamic Labeling Universal

Version	Art. no.	
universal	**MTN6194-6010S**	**New**

For System D.

The KNX Secure Push Button Dynamic Labeling Universal is a push button for 2 to max 8 rockers on which different functions can be set. This flexible structure allows the number of rockers/functions to be adapted to changing requirements. The device supports KNX Secure.

The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:
- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

KNX software functions:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052
Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052
Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052
Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Power supply from KNX: DC 24 V approx. 24 V/16 mA
KNX: KNX Secure
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 71 x 71 x 31 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

KNX Push Button Dynamic Labeling, 2-gang

Version	Art. no.
2-gang	**MTN6192-6010**

For System D.
The KNX Push Button Dynamic Labeling 2-gang is a push button for 4 rockers on which different functions can be set. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:
- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

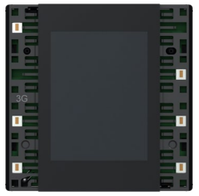
KNX software functions:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052
Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

Push-Buttons
System D



KNX Push Button Dynamic Labeling, 3-gang

Version	Art. no.
3-gang	**MTN6193-6010**

For System D.
The KNX Push Button Dynamic Labeling 3-gang is a push button for 6 rockers on which different functions can be set. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:
- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

KNX software functions:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052
Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

KNX Push Button Dynamic Labeling, universal

Version	Art. no.
universal	**MTN6194-6010**

For System D.
The KNX Push Button Dynamic Labeling Universal is a push button for 2 to max 8 rockers on which different functions can be set. This flexible structure allows the number of rockers/functions to be adapted to changing requirements.
The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

ETS device functions:
- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm

KNX software functions:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

To be completed with: Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052
Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052
Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052
Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5, ETS6, and eConfigure KNX.
Contents: Push button, bus connecting terminal and supporting plate.

Rocker 1-gang for KNX Push Button Dynamic Labeling

Version	Art. no.
lotus white	**MTN6191-6035**
anthracite	**MTN6191-6034**
stainless steel	**MTN6191-6036**
nickel metallic	**MTN6191-6050**
mocca metallic	**MTN6191-6052**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 1x rocker 1-gang.

Rocker 2-gang for KNX Push Button Dynamic Labeling

Version	Art. no.
lotus white	**MTN6192-6035**
anthracite	**MTN6192-6034**
stainless steel	**MTN6192-6036**
nickel metallic	**MTN6192-6050**
mocca metallic	**MTN6192-6052**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, 2-gang MTN6192-6010,
KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 2x rockers 2-gang.

Rocker 3-gang for KNX Push Button Dynamic Labeling

Version	Art. no.
lotus white	**MTN6193-6035**
anthracite	**MTN6193-6034**
stainless steel	**MTN6193-6036**
nickel metallic	**MTN6193-6050**
mocca metallic	**MTN6193-6052**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, 3-gang MTN6193-6010,
KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 1x rocker 2-gang, 2x rockers 4-gang

Rocker 4-gang for KNX Push Button Dynamic Labeling

Version	Art. no.
lotus white	**MTN6194-6035**
anthracite	**MTN6194-6034**
stainless steel	**MTN6194-6036**
nickel metallic	**MTN6194-6050**
mocca metallic	**MTN6194-6052**

For System D.
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

To be completed with: KNX Secure Push Button Dynamic Labeling Universal MTN6194-6010S, KNX Push Button Dynamic Labeling, universal MTN6194-6010
Contents: 4x rockers 4-gang.

KNX Push-button Pro T

Version	Art. no.
Thermoplastic	
lotus white	**MTN6185-6035**
anthracite	**MTN6185-6034**
sahara	**MTN6185-6033**
stainless steel	**MTN6185-6036**
nickel metallic	**MTN6185-6050**
champagne metallic	**MTN6185-6051**
mocca metallic	**MTN6185-6052**

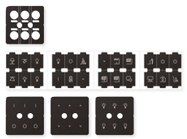
For System D.
Push-button with 1 to 4 operating buttons and integrated temperature sensor for room temperature measurement.
The push button allows two different operation methods: either the normal manual operation via key stroke or the touchless operation triggered by proximity. The touchless operation allows to trigger 1 function, such as toggling or calling up a scene. Both operation methods cannot be performed simultaneously on the same push-button.
In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.
The position of the operating buttons varies depending on the selected number of operating buttons.
With status indicators.
With integrated bus coupler. The bus is connected using a bus connecting terminal.

ETS device functions:
- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

KNX software functions:
With touchless function: toggle, switch on, switch off, call up scene
With normal manual operation there are 2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.
Proximity function: triggered by object or sensor, sensitivity adjustment
Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature
Accessories: Dismantling protection MTN6270-0000
Foil set for KNX Push-button Pro MTN6270-0011
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable only with ETS5.
Contents: Device with inserted prefabricated foil.
With bus connecting terminal and supporting plate.
3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Push-Buttons
System D



Foil set for KNX Push-button Pro

Version	Art. no.
	MTN6270-0011

Spare part
For System D.
For individual marking of the KNX Push-buttons Pro T.
In KNX, to be completed with: KNX Push-button Pro T System D MTN6185-60..,
Contents: 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

Dismantling protection

Version	Art. no.
	MTN6270-0000

Prevents the KNX Push-buttons Pro/Pro T, KNX Multi-Touch Pro, and 4” Touch Unit from being removed easily.
In KNX, to be completed with:
KNX Push-button ProT
System M MTN6185-03/04..
System Design MTN6185-60..
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910
SpaceLogic KNX 4” Touch Unit MTN6215-0410
Contents: 2 stainless steel hooks.

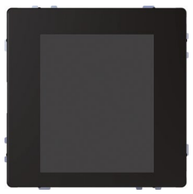
KNX Multitouch Pro

Version	Art. no.	
	MTN6215-5910	**Discontinued**

For System D.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit
with touch display MTN5775-0003
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.



KNX Multitouch Pro

Version	Art. no.	
	MTN6216-5910	**Discontinued**

For the Danish market.
For System D.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

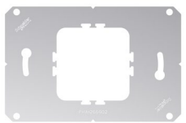
With integrated bus coupler. The bus is connected using a bus connecting terminal.
With fixing frame for DK-Fuga wall box.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display
MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With fixing frame for DK-Fuga wall box.
With bus connecting terminal.

Remote sensor for universal room temperature control unit with touch display

Version	Art. no.	
	MTN5775-0003	**Discontinued**

For use with underfloor heating systems.
To be completed with: Universal temperature control unit insert with touch display
MTN5775-0000
Programmable universal temperature control unit insert with touch display MTN5776-0000
KNX Multitouch Pro System M MTN6215-03..
System D MTN6215-59..
System D MTN6216-5910



Fixing frame for 3-module box

Version	Art. no.
	MTN6270-0015

Fixing frame for 3-module installation boxes.
Plug the KNX devices together with the D-Life frame, 1-gang, for 3-module box on the fixing frame.
Suitable for installation on 3-module boxes.
To be completed with: D-Life frame, 1-gang, for 3-module box System D MTN6010-65xx

D-Life frame, 1-gang, for 3-module box

Version	Art. no.
☐ lotus white	**MTN6010-6535**

Plug the KNX System D devices together with the D-Life frame on the fixing frame for 3-module box.
For horizontal and vertical installation.
To be completed with: Fixing frame for 3-module box MTN6270-0015

Cuadro H

Cuadro H KNX push-button, 2 key

Version	Art. no.	
☐ white	**C2E616101_WE_C1**	**Thermoplastic**
☐ white	**C2E616101_WE_C1B**	**Thermoplastic**
■ grey	**C2E616101_GY_C1**	**Thermoplastic**
■ matt black	**C2E616101_MB_C1**	**Thermoplastic**
■ matt black	**C2E616101_MB_C1B**	**Thermoplastic**
■ matt black	**C2E616103_MB_C1**	**Glass**
■ matt black	**C2E616102_MB_C1**	**Metal**
■ stainless steel	**C2E616102_ST_C1**	**Metal**

For the Chinese market.
Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metall) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher

Cuadro H KNX push-button, 4 key

Version	Art. no.	
☐ white	**C2E616201_WE_C1**	**Thermoplastic**
☐ white	**C2E616201_WE_C1B**	**Thermoplastic**
■ grey	**C2E616201_GY_C1**	**Thermoplastic**
■ matt black	**C2E616201_MB_C1**	**Thermoplastic**
■ matt black	**C2E616201_MB_C1B**	**Thermoplastic**
■ matt black	**C2E616203_MB_C1**	**Glass**
■ matt black	**C2E616202_MB_C1**	**Metal**
■ stainless steel	**C2E616202_ST_C1**	**Metal**

For the Chinese market.
Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metall) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher

Push-Buttons
Cuadro H

Cuadro H KNX push-button, 6 key

Version	Art. no.	
☐ white	**C2E616301_WE_C1**	**Thermoplastic**
☐ white	**C2E616301_WE_C1B**	**Thermoplastic**
■ grey	**C2E616301_GY_C1**	**Thermoplastic**
■ matt black	**C2E616301_MB_C1**	**Thermoplastic**
■ matt black	**C2E616301_MB_C1B**	**Thermoplastic**
■ matt black	**C2E616303_MB_C1**	**Glass**
■ matt black	**C2E616302_MB_C1**	**Metal**
■ stainless steel	**C2E616302_ST_C1**	**Metal**

For the Chinese market.
Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

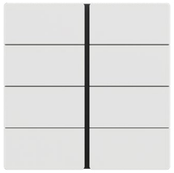
With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metall) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher



Cuadro H KNX push-button, 8 key

Version		Art. no.	
☐	white	**C2E616401_WE_C1**	**Thermoplastic**
☐	white	**C2E616401_WE_C1B**	**Thermoplastic**
■	grey	**C2E616401_GY_C1**	**Thermoplastic**
■	matt black	**C2E616401_MB_C1**	**Thermoplastic**
■	matt black	**C2E616401_MB_C1B**	**Thermoplastic**
■	matt black	**C2E616403_MB_C1**	**Glass**
■	matt black	**C2E616402_MB_C1**	**Metal**
■	stainless steel	**C2E616402_ST_C1**	**Metal**

For the Chinese market.
Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher

Cuadro H KNX thermostat

Version		Art. no.	
☐	white	**C2E621201_WE_C1**	**Thermoplastic**
☐	white	**C2E621201_WE_C1B**	**Thermoplastic**
■	grey	**C2E621201_GY_C1**	**Thermoplastic**
■	matt black	**C2E621201_MB_C1**	**Thermoplastic**
■	matt black	**C2E621201_MB_C1B**	**Thermoplastic**
■	stainless steel	**C2E621201_ST_C1**	**Thermoplastic**

For the Chinese market.
Comfortable room controller with 4 integrated touch buttons with which all functions from room temperature control to load control (switching, dimming, blind) can be activated.
An FCU controller, a floor heating controller and a ventilation controller are available as HVAC controllers.
The proximity can be triggered by an object (presence detector) and can also be sent, e.g. to trigger another action or for visualization. LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Display settings: units, backlight level (normal/standby), delay time
- Proximity function triggered by object
- Button volume

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings:
- Dual-surface: Switching on/off, dimming brighter/darker, moving blind up/down, temperature +/-
- Single-surface: Power on, control mode, operation mode, fan speed, function page, toggeling, Scene

Extended settings:
Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

Functions of the room temperature control unit:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller
- VRF control

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Unica

Unica KNX push-button, 2 key

Version	Art. no.	
dark grey	**NP16161_01BK_E1**	**Thermoplastic**
wine gold	**NP16161_01WG_E1**	**Thermoplastic**
silver	**NP16161_01SL_E1**	**Thermoplastic**

Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 4 key

Version	Art. no.	
dark grey	**NP16162_01BK_E1**	**Thermoplastic**
wine gold	**NP16162_01WG_E1**	**Thermoplastic**
silver	**NP16162_01SL_E1**	**Thermoplastic**

Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 6 key

Version	Art. no.	
dark grey	**NP16163_01BK_E1**	**Thermoplastic**
wine gold	**NP16163_01WG_E1**	**Thermoplastic**
silver	**NP16163_01SL_E1**	**Thermoplastic**

Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Push-Buttons
Unica

Unica KNX push-button, 8 key

Version	Art. no.	
dark grey	**NP16164_01BK_E1**	**Thermoplastic**
wine gold	**NP16164_01WG_E1**	**Thermoplastic**
silver	**NP16164_01SL_E1**	**Thermoplastic**

Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 5 key plus thermomstat

Version	Art. no.	
dark grey	**NP16212_01BK_E1**	**Thermoplastic**
wine gold	**NP16212_01WG_E1**	**Thermoplastic**
silver	**NP16212_01SL_E1**	**Thermoplastic**

Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 8 key plus thermomstat

Version	Art. no.	
dark grey	**NP16214_01BK_E1**	**Thermoplastic**
wine gold	**NP16214_01WG_E1**	**Thermoplastic**
silver	**NP16214_01SL_E1**	**Thermoplastic**

Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX 4.0 inch touch screen

Version	Art. no.
glass	**NP16260_0104**

Comfortable room controller with 4 inch touch panel to control up to 54 functions and the room temperature.
All functions are displayed on up to 9 touch screens and called up with simple finger movements. The touch screen is customizable, e.g. the user can choose between 3 theme styles, different screen savers, 43 predefined icons and 35 individual icons.
The proximity can be triggered by an object (presence detector) and can also be sent, e.g. to trigger another action or for visualization.
An FCU controller, a floor heating controller and a ventilation controller are available as HVAC controllers.

ETS device functions:
- On/Off behavior of the user interface
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

With integrated bus coupler. The bus is connected using a bus connecting terminal.

Functions, control unit/push-button:
- Dual-surface: switch, brightness dimming, curtain step/move, roller blind step/move, scene, value output, loop operation, multiple operation, weather information, energy monitoring
- Single-surface: switch, scene, value output, loop operation, multiple operation, weather information, energy monitoring, air quality display
- With only one function of the screen: brightness dimming, RGB dimming (1 x 3 byte, 3 x 1 byte), RGBW dimming (1 x 6 byte, 4 x 1 byte), Colour temperature dimming, venetian blind position and slat, air conditioner control panel (setpoint/actual temperature, internal/external sensor), room temperatur control panel, ventialtion control panel, audio control (volume adjustment, play mode, 3 play modes)

Functions of the room temperature control unit:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs, indication behaviors

Note: Programmable with ETS5 and higher.

Unica KNX push-button, 2 key

Version		Art. no.	
	metallic silver	**NP16161_01MS**	**Thermoplastic**
	wine gold	**NP16161_01WG**	**Thermoplastic**
	silver	**NP16161_01SL**	**Thermoplastic**

For the Chinese market.
Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 4 key

Version	Art. no.	
metallic silver	**NP16162_01MS**	**Thermoplastic**
wine gold	**NP16162_01WG**	**Thermoplastic**
silver	**NP16162_01SL**	**Thermoplastic**

For the Chinese market.
Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 6 key

Version	Art. no.	
metallic silver	**NP16163_01MS**	**Thermoplastic**
wine gold	**NP16163_01WG**	**Thermoplastic**
silver	**NP16163_01SL**	**Thermoplastic**

For the Chinese market.
Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 8 key

Version	Art. no.	
metallic silver	**NP16164_01MS**	**Thermoplastic**
wine gold	**NP16164_01WG**	**Thermoplastic**
silver	**NP16164_01SL**	**Thermoplastic**

For the Chinese market.
Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.
General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 5 key plus thermomstat

Version	Art. no.	
metallic silver	**NP16212_01MS**	**Thermoplastic**
wine gold	**NP16212_01WG**	**Thermoplastic**
silver	**NP16212_01SL**	**Thermoplastic**

For the Chinese market.
Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica KNX push-button, 8 key plus thermomstat

Version	Art. no.	
metallic silver	**NP16214_01MS**	**Thermoplastic**
wine gold	**NP16214_01WG**	**Thermoplastic**
silver	**NP16214_01SL**	**Thermoplastic**

For the Chinese market.
Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recal/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidifaication mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.
Contents: Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

Unica X

Unica X KNX push-button, 2 key

Version	Art. no.	
Metal		
Painted White	**NUX6161_02_PW**	**New**
Jet Black	**NUX6161_02_JB**	**New**
Dark Bronze	**NUX6161_02_DB**	**New**
Dark Grey	**NUX6161_02_DG**	**New**
Stainless Steel	**NUX6161_02_SS**	**New**
Antique Brass	**NUX6161_02_AB**	**New**

Unica X KNX Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Unica X KNX push-button, 4 key

Version	Art. no.	
Metal		
Painted White	**NUX6162_02_PW**	**New**
Jet Black	**NUX6162_02_JB**	**New**
Dark Bronze	**NUX6162_02_DB**	**New**
Dark Grey	**NUX6162_02_DG**	**New**
Stainless Steel	**NUX6162_02_SS**	**New**
Antique Brass	**NUX6162_02_AB**	**New**

Unica X KNX Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Unica X KNX push-button, 6 key

Version	Art. no.	
Metal		
Painted White	**NUX6163_02_PW**	**New**
Jet Black	**NUX6163_02_JB**	**New**
Dark Bronze	**NUX6163_02_DB**	**New**
Dark Grey	**NUX6163_02_DG**	**New**
Stainless Steel	**NUX6163_02_SS**	**New**
Antique Brass	**NUX6163_02_AB**	**New**

Unica X KNX Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

Note: Programmable with ETS5 and higher.

Unica X KNX push-button, 8 key

Version	Art. no.	
Metal		
Painted White	**NUX6164_02_PW**	**New**
Jet Black	**NUX6164_02_JB**	**New**
Dark Bronze	**NUX6164_02_DB**	**New**
Dark Grey	**NUX6164_02_DG**	**New**
Stainless Steel	**NUX6164_02_SS**	**New**
Antique Brass	**NUX6164_02_AB**	**New**

Unica X KNX Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function
Note: Programmable with ETS5 and higher.

Push-Buttons
Unica X

Unica X KNX push-button, 5 key thermostat

Version	Art. no.	
Metal		
Painted White	**NUX6212_02_PW**	**New**
Jet Black	**NUX6212_02_JB**	**New**
Dark Bronze	**NUX6212_02_DB**	**New**
Dark Grey	**NUX6212_02_DG**	**New**
Stainless Steel	**NUX6212_02_SS**	**New**
Antique Brass	**NUX6212_02_AB**	**New**

Unica X KNX Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

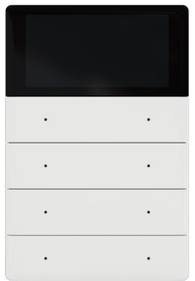
FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.



Unica X KNX push-button, 8 key thermostat

Version	Art. no.	
Metal		
Painted White	**NUX6214_02_PW**	New
Jet Black	**NUX6214_02_JB**	New
Dark Bronze	**NUX6214_02_DB**	New
Dark Grey	**NUX6214_02_DG**	New
Stainless Steel	**NUX6214_02_SS**	New
Antique Brass	**NUX6214_02_AB**	New

Unica X KNX Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostats supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.
The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...
Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

ETS device functions:
- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
2 programming options:
- Express settings: Calls up a pre-set configuration
  Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes
- Extended settings: Individual configuration
  Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

Note: Programmable with ETS5 and higher.

New Unica

KNX push-button single

Version	Art. no.
white	**NU553018**
aluminium	**NU553030**
anthracite	**NU553054**

2 modules
In Unica design.
KNX-push-button with 1 rocker (2 buttons) and 2 blue status LEDs. The status LED is located under the symbol window which can be taken off.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Contents: With set of 10 symbols: 2x symbol with light opening, 1x symbol “1”, 1x symbol “0”, 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).
With bus connecting terminal.

KNX push-button double

Version	Art. no.
white	**NU553118**
aluminium	**NU553130**
anthracite	**NU553154**

2 modules
In Unica design.
KNX-push-button with 2 rockers (4 buttons) and 4 blue status LEDs. The status LED is located under the symbol window which can be taken off.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.
Contents: With set of 20 symbols: 4x symbol with light opening, 2x symbol “1”, 2x symbol “0”, 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).
With bus connecting terminal.

Interfaces

SpaceLogic KNX, Secure, Push-Button Interface Basic, 2 channel

Version	Art. no.	
2 channel	**MTN6002-0002S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.
KNX power supply: 4...7 mA
Contact voltage: DC 3.3 V (SELV)
Output current/channel: Max. 3.3 mA
LED current/channel: max. 1.6 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 10 m
Dimensions: approx. 43x28.5x15.6 mm (LxWxH)

SpaceLogic KNX, Secure, Push-Button Interface Basic, 4 channel

Version	Art. no.	
4 channel	**MTN6002-0004S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.
KNX power supply: 4...9 mA
Contact voltage: DC 3.3 V (SELV)
Output current/channel: Max. 3.3 mA
LED current/channel: max. 1.6 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 10 m
Dimensions: approx. 43x28.5x15.6 mm (LxWxH)

SpaceLogic KNX, Secure, Push-Button Interface Basic, 8 channel

Version	Art. no.	
8 channel	**MTN6002-0008S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending.
KNX power supply: 4...12 mA
Contact voltage: DC 3.3 V (SELV)
Output current/channel: Max. 3.3 mA
LED current/channel: max. 1.6 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 10 m
Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)

SpaceLogic KNX, Secure, Push-Button Interface Pro, 8 channel

Version	Art. no.	
8 channel	**MTN6002-0108S**	**New**

This device is KNX Secure certified.
Generates an internal signal voltage for connecting potential free contacts like conventional push-buttons, Door/Window contacts, alarm contacts or floating contacts. Each channel is configurable as input or output for control of a low current LED (no series resistance required). The cores are 25 cm long and can be extended to max. 10 m. With integrated bus coupler. For installation in a conventional 60 mm switch box. The bus is connected using a bus connecting terminal.
KNX Secure compatible: The device supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.
KNX software functions: Switching, Priority control, dimming and colour temperature, RGB colour value / sequence (loop), Blind/Shutter, Value transmitter in 14 datatypes, Scene extension, Edge function, (2 objects), Short/Long operation, Temperature setpoint adjustment, Temperature controller operating mode, Channel function output (Object polarity NO/NC), Behaviour after bus recovery, Cyclical sending, Timer function in logic function, Pulse counter (main and intermediate), Temperature sensor function, Windows/door with 2 contacts (combine 2 channels), simplified configuration for combinded channels. Logic module with: AND, OR, XOR (plus inversions), AND with feedback, Converter (1bit -> 1byte), Time delay and filter, Comparator (1, 2, 4 byte DPTs), Limit value switch with hysteresis.
KNX power supply: 5...18 mA
Contact voltage: DC 5 V (SELV)
Output current/channel: Max. 3.2 mA
LED current/channel: max. 2x NTC 33 kΩ at 25 °C
Temperature sensor input: max. 2.2 mA
Max. cable length: 25 cm unshielded, can be extended up to max. 30 m
Dimensions: approx. 43.5x35.5x15.6 mm (LxWxH)
Accessories: Temperature sensor 616790 Merten brand

Push-button interface, 2-gang plus

Version	Art. no.	
polar white	**MTN670802**	**Discontinued**

Generates an internal signal voltage for connecting two conventional push-buttons or floating contacts, and for direct connecting two low-current LEDs.
The cores are 30 cm long and can be extended to max. 7.5 m. For installation in a conventional 60 mm switch box.
KNX software functions: Switching, dimming or controlling blinds via 1 or 2 inputs, position values for blind control (8-bit), pulse edges with 1-, 2-, 4-, or 8-bit telegrams, differentiation between short and long activation, initialisation telegram, cyclical transmission, pulse edges with 2-byte telegrams, 8-bit linear regulator, scenes, counter, disable function, break contact/ make contact, debounce time. Outputs for connecting control lamps (low-current LEDs) for the status display.
For each input/output object type:
Contact voltage: < 3 V (SELV)
Contact current: < 0.5 mA
Output current: max. 2 mA
Max. cable length: 30 cm unshielded, can be extended up to max. 7.5 m with twisted unshielded cable.
Dimensions: approx. 40x30.5x12.5 mm (LxWxH)

Push-button interface, 4-gang plus

Version	Art. no.	
polar white	**MTN670804**	**Discontinued**

Generates an internal signal voltage for connecting four conventional push-buttons or floating contacts, and for direct connecting four low-current LEDs.
The cores are 30 cm long and can be extended to max. 7.5 m. For installation in a conventional 60 mm switch box.
KNX software functions: Switching, dimming or controlling blinds via 1 or 2 inputs, position values for blind control (8-bit), pulse edges with 1-, 2-, 4-, or 8-bit telegrams, differentiation between short and long activation, initialisation telegram, cyclical transmission, pulse edges with 2-byte telegrams, 8-bit linear regulator, scenes, counter, disable function, break contact/ make contact, debounce time. Outputs for connecting control lamps (low-current LEDs) for the status display.
For each input/output object type:
Contact voltage: < 3 V (SELV)
Contact current: < 0.5 mA
Output current: max. 2 mA
Max. cable length: 30 cm unshielded, can be extended up to max. 7.5 m with twisted unshielded cable.
Dimensions: approx. 40x30.5x12.5 mm (LxWxH)

Push-Buttons
Interfaces

Binary Inputs Overview

	SpaceLogic KNX Binary input REG-K/x10		SpaceLogic KNX Binary input REG-K/x24			SpaceLogic KNX Binary input REG-K/x230	
Article number	**MTN644492**	**MTN644592**	**MTN644892**	**MTN644792**		**MTN644992**	**MTN644692**
Number of channels	4	8	4	8		4	8
Outputs	—	—	—	—		—	—
Device width	2.5 modules	4 modules	2.5 modules	4 modules		2,5 modules	4 modules
Use cases	Connection of conventional push-buttons or floating contacts		Connection of conventional devices with AC / DC 24 V outputs, for example, window contacts, wind sensors, glass break sensors			Connection of conventional devices with AC 230 V outputs	
Installation site	Cabinet		Cabinet			Cabinet	
Connecting terminal	Plug-in screw terminals		Plug-in screw terminals			Plug-in screw terminals	
Internally generated voltage	■		—			—	
Input voltage / Contact voltage	— / 10 V		AC/DC 24 V / —			AC 230 V / —	
Input current / Contact current	— / 2 mA		AC 6 mA, DC 15 mA / —			AC 12 mA / —	
Thresholds	—		0 signal: ≤ 5 V 1 signal: ≥11 V			0 signal: ≤ 40 V 1 signal: ≥160 V	
Maximum line length	50 m		100 m			100 m	
Software							
Toggle	■		■			■	
Switching	■		■			■	
Dimming (via one/two inputs)	■		■			■	
Blind (via one/two inputs)	■		■			■	
Blind with position values	■		■			■	
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte)	■		■			■	
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte) short and long operation	■		■			■	
8 bit slider	■		■			■	
Scenes	■		■			■	
Pulse counter	■		■			■	
Switch counter	■		■			■	
Reset counter	■		■			■	
Cyclical sending (1 bit, 2 bit, 1 byte)	■		■			■	
Locking function for each chanel	■		■			■	
Locking function ■ Adjustable for each channel ■ All channels follow the function of a master channel	■ ■		■ ■			■ ■	

Binary Inputs

SpaceLogic KNX Binary input REG-K/4x10

Version	Art. no.
light grey	**MTN644492**

For connecting four conventional push-buttons or floating contacts to the KNX. Internally generates a signal voltage SELV, electrically isolated from the bus.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Inputs: 4
Contact voltage: max. 10 V, clocked
Contact current: max. 2 mA, pulsing
Cable length: max. 50 m
Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Binary input REG-K/8x10

Version	Art. no.
light grey	**MTN644592**

For connecting eight conventional push-buttons or floating contacts to the KNX. Internally generates a signal voltage SELV, electrically isolated from the bus.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Inputs: 8
Contact voltage: max. 10 V, clocked
Contact current: max. 2 mA, pulsing
Cable length: max. 50 m
Device width: 4 modules = approx. 70 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Binary input REG-K/4x24

Version	Art. no.
light grey	**MTN644892**

For connecting four conventional devices with AC/DC 24 V outputs to the KNX.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Input voltage: AC / DC 24 V
Inputs: 4
Input current: DC 15 mA (30 V),
AC 6 mA (27 V)
0 signal: ≤ 5 V
1 signal: ≥ 11 V
Cable length: max. 100 m
Device width: 2.5 modules = approx. 45 mm
Accessories: SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003,
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Binary input REG-K/8x24

Version	Art. no.
light grey	**MTN644792**

For connecting 8 conventional devices with AC/DC 24 V outputs to KNX.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Input voltage: AC/DC 24V
Inputs: 8
Input current: DC approx. 15 mA/AC approx. 6 mA
Line length: max. 100 m
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003,
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Binary input REG-K/4x230

Version	Art. no.
light grey	**MTN644992**

For connecting four conventional devices with AC 230 V outputs to the KNX.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Input voltage: AC 230 V, 50-60Hz
Inputs: 4
Input current: AC 12 mA
0 signal: ≤ 40 V
1 signal: ≥ 160 V
Cable length: max. 100 m
Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Binary input REG-K/8x230

Version	Art. no.
light grey	**MTN644692**

For connecting eight conventional devices with AC 230 V outputs to the KNX.
With integrated bus coupler and plug-in screw terminals.
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.
Input voltage: AC 230V, 50-60Hz
Inputs: 8
Input current: AC approx. 7 mA
Line length: max. 100 m
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

Binary Inputs

Movement/Presence Detector Overview

	KNX ARGUS Presence Basic	KNX ARGUS Presence	KNX ARGUS Presence with light control and IR receiver		KNX Presence detector DI	KNX ARGUS Presence 180/2,20 m, flush-mounted	KNX ARGUS 180/2,20 m, flush-mounted	KNX ARGUS 180, flush-mounted	KNX ARGUS 220
Article number	**MTN630719**	**MTN6308..**	**MTN6309..**		**MTN6300-0019**	**MTN6304.., MTN6306..**	**MTN6317.., MTN6327..**	**MTN6316.., MTN6326..**	**MTN6325..**
Design	—	—	—		—	System M **MTN6302-60..** System D	System M	System M	—
Use cases (examples)	Offices, waiting rooms Lighting, heating control	Large offices, waiting rooms, classrooms, private areas, public buildings Lighting, blinds, heating control	Large offices, waiting rooms, classrooms, private areas, public buildings Lighting, blinds, heating control, constant light control		Offices, waiting rooms, corridors Lighting control	Large offices, waiting rooms, classrooms, private areas, public buildings Lighting, blinds, heating control	Corridors, private areas, public buildings Lighting, blinds, heating control	Corridors, private areas, public areas with limited access Lighting, blinds, heating control	Entrance areas, patios, garages, large-scale indoor areas where devices with a protection type higher IP20 are required (working rooms, wellness centres, ...) Lighting
Installation site	Ceiling mounting, indoor	Ceiling mounting, indoor	Ceiling mounting, indoor		False ceiling mounting, indoor	Flush mounting, indoor	Flush mounting, indoor	Flush mounting, indoor	Surface mounting, outdoor, indoor
Protection type	IP 20	IP 20	IP 20		IP 20	IP 20	IP 20	IP 20	IP 55
Recomended mounting height	2.5 m	2.5 m	2.5 m		2.5 m	2.2 m oder 1.1 m (halved range)	2.2 m oder 1.1 m (halved range)	1.10 m	2.5 m
Angle of detection	360°	360°	360°		360°	180°	180°	180°	220°, adjustable lense
Range (right, left / front)	7 m radius	7 m radius	7 m radius		4.5 m radius	8 m right/left, 12 m to the front	8 m right/left, 12 m to the front	8 m radius	14 m right/left, 16 m to the front
Number of levels	6	6	6		3	6	6	1	7
Number of zones	136	136	136		39	46	46	14	112
Number of switching segments	544	544	544		167	—	—	—	448
Number of movement sensors	4	4	4		2	2	2	1	1
Light sensor	10-2000 Lux	10-2000 Lux	10-2000 Lux		10-2000 Lux	10-2000 Lux	10-2000 Lux	10-2000 Lux	3-2000 Lux
Staircase timer adjustable on the device	—	—	—		—	1 s - 8 min	1 s - 8 min	1 s - 8 min	1 s - 8 min
Staircase timer adjustable in the ETS	1 s - 255 h	1 s - 255 h	1s - 255 h		3 s, 1 min - 255 min	1 s - 255 h	1 s - 255 h	1 s - 255 h	1 s - 255 h
Software									
Light regulation for a permanent desired brightness	—	—	■		—	—	—	—	—
Number of movement/presence blocks	2	5	5+1 (1 for light control)		2	5	5	5	5
Number of functions per block	4	4	4		1	4	4	4	4
Functions per block									
■ Output telegrams 1 bit, 1 byte, 2 byte	■	■	■		■	■	■	■	■
■ Staircase timer	■	■	■		■	■	■	■	■
■ Self-adjusting staircase timer	■	■	■		—	■	■	■	■
■ Sensitivity adjustable	■	■	■		■	■	■	■	■
■ Range adjustable	■	■	■		—	■	■	■	■
■ Brightness treshold	■	■	■		■	■	■	■	■
■ Locking function	■	■	■		■	■	■	■	■
■ Sensitivity and range of the movement sensors sector-specifically adjustable	—	■	■		—	■	■	—	—
Brightness value correction	—	■	■		—	■	■	■	—
Cyclical sending of the determined brightness value	■	■	■		■	■	—	—	—
Cyclical sending of brightness value via 2 bytes object	■	■	■		■	■	■	■	■
Brightness threshold adjustable via object	—	■	■		■	■	—	—	—
Primary/Secondary function	—	■	■		■	■	■	■	■
Monitoring function (cyclical sending)	—	■	■		—	■	■	■	■
Dead time adjustable (noise reduction)	—	—	—		—	—	■	■	■
IR receiver up to 10 channels									
■ IR functions with KNX telegrams	—	—	■		—	—	—	—	—
■ Configuration of brightness treshold, staircase timer and range	—	—	■		—	—	—	—	—

Outdoor

KNX ARGUS 220

Version	Art. no.
polar white	**MTN632519**
dark brazil	**MTN632515**
aluminium	**MTN632569**

KNX movement detector for outdoors. 220° surface monitoring for large house fronts and sections of the house. With integrated bus coupler. The physical address is programmed with a magnet.

- 360° short-range zone (approx. 4 m radius).
- Large wiring compartment and plug system.
- Looping is possible.
- LED function display for fast alignment at the installation site.
- Operating elements are protected under the easily accessible cover plate.
- Flexibly adjustable sensor head.
- Possible to blank out individual lens areas.

Can be installed on walls and ceilings without additional accessories. Can be mounted on inner/outer corners and stationary pipes using a mounting bracket.
KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.
Angle of detection: 220°
Range: max. 16 m
Number of levels: 7
Number of zones: 112 with 448 switching segments
Light sensor: infinitely variable from approx. 3 - 1000 lux, ∞ lux (infinite: movement detection is independent of the position of the sensor head)
Time: can be set externally from 1 s to approx. 8 min. in 6 levels or via ETS from approx. 3 s to approx. 152 hours
Sensitivity: infinitely adjustable
Possible settings for sensor head:
Wall mounting: 9° up, 24° down, 12° left/right, ±12° axial
Ceiling mounting: 4° up, 29° down, 25° left/right, ±8.5° axial
EC directives: Low-voltage guideline 2006/95/EC and EMC directive 2004/108/EC
Type of protection: IP 55
Accessories: Mounting bracket MTN565291
Contents: With cover plate and segments to limit the area of detection, screws and plugs.

System M

KNX ARGUS 180/2.20 m flush-mounted

Version	Art. no.
☐ polar white, glossy	**MTN631719**
■ anthracite	**MTN632714**

For System M.
Indoor movement detector with anti-crawl protection.
When a movement is detected, a data telegram defined by the programming is transmitted.
With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m.
KNX software functions: Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer.
Angle of detection: 180°
Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)
Mounting height: 2.2 m or 1.1 m with half the range
Number of levels: 6
Number of zones: 46
Number of movement sensors: 2, sector-orientated, adjustable
Sensitivity: infinitely adjustable (ETS or potentiometer)
Light sensor: infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal and supporting plate.
With cover segments to limit the area of detection.

System D

KNX ARGUS Presence 180/2.20 m flush-mounted

Version	Art. no.
Thermoplastic	
lotus white	**MTN6302-6035**
anthracite	**MTN6302-6034**
sahara	**MTN6302-6033**
stainless steel	**MTN6302-6036**
nickel metallic	**MTN6302-6050**
champagne metallic	**MTN6302-6051**
mocca metallic	**MTN6302-6052**

For System D.
Presence detection indoors.
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.
With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.
KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 180°
Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)
Mounting height: 2.2 m or 1.1 m at half the range
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
Number of levels: 6
Number of zones: 46
Number of movement sensors: 2, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Contents: With bus connecting terminal and supporting plate.
With cover segments to limit the area of detection.

Design-Independent

SpaceLogic KNX Presence detector DI

Version	Art. no.
white	**MTN6300-0019**

For the Gulf market.
KNX presence detector for installation in false ceilings. The device detects the presence of persons even with small movements and is used to control 2 channels.

With 2 input channels for connecting push-buttons with which the lighting can be switched on/off or dimmed. The presence detector can be used as a single detector or in primary/secondary mode.

The detector is mounted with a retaining spring in a round aperture (diameter 68 mm) in a suspended ceiling (e.g. plasterboard). The minimum installation depth is 67 mm.

Functions of the KNX software:
Primary/secondary mode: in secondary mode, the detector is used only for motion detection. In primary mode the detector can be set in Auto mode, Semi-auto mode or Test mode.
Auto mode (presence): during the delay time, if the ambient brightness is higher than the set lux value for 5 minutes, the load will be switched off regardless of motion detection.
Semi-auto mode: An initial press on a push-button is required to switch on the load.
Test mode: fix delay time of 3 seconds for each movement detection.

Supply voltage: KNX bus voltage
Bus current: approx. 10 mA
Number of channels: 2
Binary inputs: 2, cable length max. 100 m, cross section 1.0-2.5 mm²
Mounting height: 2 m ... 3 m (optimal 2.5 m)
Detection range: 360°, Ø 9 m at 2.5 m mounting height
Function modes: Auto (presence), semi auto (absence), test
Sensitivity: adjustable
Detection brightness: 10 ... 2000 Lux
Time setting: 3 s, 1 min - 255 min
Protection type: IP20
Dimensions: 99.2 x 74.1 mm (Ø x H)

KNX High Bay presence detector FM

Version	Art. no.
white	**MTN6304-0019**

KNX presence detector for flush-mounted installation in rooms with high ceilings, e.g. high-bay warehouses or sports halls.
The presence detector detects the presence of persons even in the case of small movements.
Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).
Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel).
The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.
The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.
The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).
Indoor installation on ceiling (IP 20) on flush-mounted housing with two screws.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.
KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates
Angle of detection: 360°
Opening angle: 180°
Range: Radius of max. 18 m (tangential)
Mounting height: 4 - 14 m
Optimal mounting height: 12 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 1416
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
IP protection rating: IP 20
EC guidelines: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 78 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002

KNX Corridor presence detector FM

Version	Art. no.
white	**MTN6305-0019**

KNX presence detector for flush-mounted installation in long corridors.
The presence detector detects the presence of persons even in the case of small movements.
Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).
Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel).
The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.
The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.
The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).
Indoor installation on ceiling (IP 20) on flush-mounted housing with two screws.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.
KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates
Angle of detection: 360°
Opening angle: 45°
Range: max. 20 x 4 m (tangential)
max. 12 x 4 m (radial)
Mounting height: 2.5 - 5 m
Optimal mounting height: 2.8 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 280
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
Protection rating: IP 20
EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 78 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002

KNX High Bay presence detector

Version	Art. no.
white	**MTN6354-0019**

KNX presence detector for surface-mounted installation in rooms with high ceilings, e.g. high-bay warehouses or sports halls.
The presence detector detects the presence of persons even in the case of small movements.
Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).
Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel).
The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.
The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.
The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).
Indoor installation on ceiling (IP 54) with surface-mounted housing with two screws and plugs.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.
KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates
Angle of detection: 360°
Opening angle: 180°
Range: Radius of max. 18 m (tangential)
Mounting height: 4 - 14 m
Optimal mounting height: 12 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 1416
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
Protection rating: IP 54
EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 65 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002

KNX Corridor presence detector

Version	Art. no.
white	**MTN6355-0019**

KNX presence detector for surface-mounted installation in long corridors.
The presence detector detects the presence of persons even in the case of small movements.
Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).
Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel).
The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.
The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.
The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).
Indoor installation on ceiling (IP 54) with surface-mounted housing with two screws and plugs.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.
KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates
Angle of detection: 360°
Opening angle: 45°
Range: max. 20 x 4 m (tangential)
max. 12 x 4 m (radial)
Mounting height: 2.5 - 5 m
Optimal mounting height: 2.8 m
Time setting: 60 s - 255 min.
Sensors: 2 x passive infrared
Number of zones: 280
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
Protection rating: IP 54
EC Directives: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 124 x 65 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002

KNX Mini presence detector

Version	Art. no.
white	**MTN6303-0019**

KNX presence detector for inconspicuous installation in suspended ceilings.
The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (4 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).
Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel).
The presence detector has four detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.
The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.
The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).
Indoor installation in suspended ceilings The detector is installed with a retainer spring in a circular aperture (diameter 35 mm) in a suspended ceiling (e.g. plasterboard). The minimum installation depth is 65 mm.
KNX software functions: Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates
Angle of detection: 360°
Range: max. 6 x 6 m (tangential)
max. 4 x 4 m (radial)
Mounting height: 2 - 5 m
Optimal mounting height: 2.8 m
Time setting: 60 s - 255 min.
Sensors: 4 x passive infrared
Detection brightness: internal light sensor adjustable from approx. 2 to 1000 Lux
IP protection rating: IP 20
EC guidelines: Low voltage directive 2006/95/EC and EMC directive 2004/108/EC
Dimensions: 43 x 71 mm (Ø x H)
Accessories: Remote control for KNX presence detector MTN6300-0002

Remote control for KNX presence detector

Version	Art. no.
	MTN6300-0002

IR remote control for operating and setting KNX presence detectors.
The IR remote control can be used to carry out the following functions and settings:
- Activation of KNX programming mode
- Selecting test modes
- Starting and ending test mode
- Calibrating brightness measurement
- Setting the brightness value
- Setting the lighting overtravel time
- Setting switch-on delay for HVAC
- Setting the basic lighting duration

To be completed with: KNX High Bay presence detector FM
KNX Präsenz Halle AP MTN6354-0019
KNX Corridor presence detector FM MTN6305-0019
KNX Präsenz Korridor AP MTN6355-0019
KNX Mini presence detector
MTN6303-0019

KNX ARGUS Presence Basic

Version	Art. no.
polar white	**MTN630719**

Presence detection indoors.
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.
With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.
KNX software functions: Two movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation (no master/slave), safety pause, disable function. Self-adjusting staircase timer. Actual brightness value: can be specified via the internal and/or an external light sensor.
Angle of detection: 360°
Range: a radius of max. 7 m (at a mounting height of 2.50 m)
Number of levels: 6
Number of zones: 136 with 544 switching segments
Number of movement sensors: 4
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Surface-mounted housing for ARGUS Presence MTN550619
Contents: With bus connecting terminal and supporting plate.

KNX ARGUS Presence

Version	Art. no.
polar white	**MTN630819**

Presence detection indoors.
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.
With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.
KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 360°
Range: a radius of max. 7 m (at a mounting height of 2.50 m)
Number of levels: 6
Number of zones: 136 with 544 switching segments
Number of movement sensors: 4, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Surface-mounted housing for ARGUS Presence MTN550619
Contents: With bus connecting terminal and supporting plate.

Presence Detectors
Design-Independent

KNX ARGUS Presence with light control and IR receiver

Version	Art. no.
polar white	**MTN630919**

Presence detection indoors.
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.
Light control enables the required brightness in a room to be achieved permanently. Dimming and the optional use of a second lighting group maintains a constant brightness.
Individual ARGUS Presence configurations can be changed or other KNX devices can be controlled remotely using the IR receiver.
With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.
KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
An additional light control block: brightness can be maintained constant by dimming and an additional adjustable level.
IR receiver function. IR configuration: setting the brightness threshold, staircase timer factors or range.
Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 360°
Range: a radius of max. 7 m (at a mounting height of 2.50 m)
Number of levels: 6
Number of zones: 136 with 544 switching segments
Number of movement sensors: 4, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
Number of IR channels: 10 for controlling KNX devices, 10 for configuration
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Accessories: Surface-mounted housing for ARGUS Presence MTN550619
Transmitter: IR universal remote control MTN5761-0000
Contents: With bus connecting terminal and supporting plate.

Surface-mounted housing for ARGUS Presence

Version	Art. no.	
polar white	**MTN550619**	**Discontinued**

The surface-mounted housing for ARGUS Presence devices also allows them to be surface mounted.
- for surface-mounting of the LON Multi-Sensor LA-21 (art. no. 42320-104) and ILA-22 (art. no. 42320-105)
- colour: polar white (similar to RAL 9010)

To be completed with: ARGUS Presence MTN550590, ARGUS Presence with IR receiver and for extension unit operation MTN550591, KNX ARGUS Presence Basic MTN630719, KNX ARGUS Presence MTN6308.., KNX ARGUS Presence with light control and IR receiver MTN6309..

System M

KNX ARGUS Presence 180/2.20 m flush-mounted

Version	Art. no.
☐ polar white, glossy	**MTN630419**
☐ active white, glossy	**MTN630425**
■ anthracite	**MTN630614**

For System M.
Presence detection indoors.
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.
With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.
KNX software functions: Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.
Angle of detection: 180°
Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)
Mounting height: 2.2 m or 1.1 m at half the range
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)
Number of levels: 6
Number of zones: 46
Number of movement sensors: 2, separately adjustable
Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX
EC Directives: Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC
Contents: With bus connecting terminal and supporting plate.
With cover segments to limit the area of detection.

Weather, Air Quality

KNX brightness and temperature sensor

Version	Art. no.
light grey	**MTN663991**

The sensor records brightness and temperature and transmits these values to the bus. It has a temperature sensor and a brightness sensor.
- 3 universal channels for single tasks or logic operations. Temperature and brightness threshold in any combination.
- Sun protection channel for blinds/roller shutter control. Objects for: twilight threshold, brightness threshold, drive control, automatic sun function, teaching, security.
- Automatic sun protection. Controls the blinds automatically during the day.
- Teaching object. With this, every brightness threshold can be reset by the touch of a key.

Suitable for mounting on an outside wall.

With integrated bus coupler. The bus is connected using a bus connecting terminal.
Power consumption: max. 150 mW
Sensors: 2
Temperature measurement range: - 25 °C to + 55 °C (±5 % or ±1 degree)
Brightness measurement range: 1 to 100,000 lux (±20% or ±5 lux)
Type of protection: IP 54 according to DIN EN 60529 for vertical installation with cover
Dimensions: 110 x 72 x 54 mm

Air Quality Multisensor

Version	Art. no.
polar white	**MTN6005-0011**

The multisensor monitors the air quality in rooms e.g. in schools or offices. The measured data is sent for processing via the KNX bus. The sensor provides the following data and controls for KNX: CO_2, relative humidity, temperature, dew point, air pressure, VAV control, temperature controller.
In addition, the sensor has 5 inputs: 2 binary inputs, 1 input can be confiured as a binary or analog input, 2 inputs can be configured as binary or as temperature sensor input (PT1000, 10 kΩ PTC, 2-/10-/12-/15-/33-/47 kΩ NTC).

The device is intended for mounting on a flush-mounted box or on the wall.

Power supply: bus voltage
Current consumption from bus: max. 10 mA
Ambient temperature: 0 °C ... +50 °C
Measuring range, CO2: 390 ... 5000 ppm
Measuring range, temperature: 0 °C ... +50 °C
Measuring range, humidity: 0 % ... 100 %
Measuring range, atmoshperic pressure: 300 hPa ... 1100 hPA
Type of protection: IP 20
Dimensions: 80.5 x 80.5 x 17 mm

KNX weather station Basic V2

Version	Art. no.
	MTN6904-0001

The KNX weather station Basic V2 records weather data, analyses these and can transmit them to the bus. The device has a wind sensor, precipitation sensor, temperature sensor and 3 brightness sensors.

- Self contained outdoor weather station
- For measuring wind, rain, brightness and temperature
- For fully automatic blinds and sun protection control with automatic adjustment of blinds according to position of the sun
- Rain sensor with integrated heating
- The weather station can also be operated without mains supply. The heating of the rain sensor will not function then
- Measurement and evaluation directly on device
- Sun protection for up to three facades via 3 integrated brightness sensors
- 8 sun protection channels
- 4 additional threshold channels for connection of external KNX sensors
- 6 logic channels
- Display of weather data on visualisation

Suitable for mounting on an outside wall or with optional accessories on a corner or on a mast.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
An additional AC 230 V power supply is required for the heating unit.

KNX software functions:

- Adjustment of slat position according to current position of the sun.
- Sun protection area both horizontal (azimuth) and vertical (elevation) can be set exactly.
- 3 installed brightness sensors at 90° spacing.
- 2 objects for external brightness sensors.
- Shading can be temporarily interrupted via object.
- Universal channels with AND/OR linking of weather parameters.
- Threshold channels with delay with falling below and exceeding.
- Logic channels with 4 input objects + internal link that can be configured with status of the universal and threshold channels.

Power supply: AC 110-230 V, 50-60 Hz
Power consumption: max. 10 mA with bus voltage
Stand-by consumption: < 0.5 W
Measuring range:
Brightness: 1 - 100000 lx
Temperature: - 30 °C ... + 60 °C
Wind speed: 2 - 30 m/s

Ambient temperature: - 20 °C ... + 55 °C
Protection class: II
Type of protection: IP 44
Dimensions: 227x121x108 mm (LxWxH)
Accessories: Mast and corner fastening for KNX weather station Basic V2 MTN6904-0002

Mast and corner fastening for KNX weather station Basic V2

Version	Art. no.
	MTN6904-0002

- For corner installation of max. 2 KNX weather stations Basic V2.
- For mast installation of 1 KNX weather station Basic V2.
- Diameter 48–60 mm.

To be completed with: KNX weather station Basic V2 MTN6904-0001

Special Sensors
Weather, Air Quality

Wind sensor with 0-10 V interface

IP65

Version	Art. no.
polar white	**MTN663591**

The wind sensor evaluates the wind speed and converts it into an analogue 0-10 V output voltage.
Can be used in combination with an analog input device.
Measuring range: 0.7 ... 40 m/s, linear
Output: 0 ... 10 V
External power supply:
Voltage: 24 V DC (18-32 V DC)
Power consumption: approx. 12 mA
General specifications:
Type of protection: IP 65
Load: max. 60 m/s transient
Incoming cable: 3 m, LiYY 6 x 0.25 mm²
Fixing method: Mounting bracket
Mounting position: vertical
Contents: With mounting bracket.

Wind sensor with 0-10 V interface and heating

IP65

Version	Art. no.
polar white	**MTN663592**

The wind sensor evaluates the wind speed and converts it into an analogue 0-10 V output voltage. The integrated heater can be operated via an external power supply of AC 24 V/500 mA for trouble-free operation in frosty weather.
Can be used in combination with an analog input device
Measuring range: 0.7 ... 40 m/s, linear
Output: 0 ... 10 V
External power supply:
Voltage: 24 V DC (18-32 V DC)
Power consumption: approx. 12 mA
Heating: 24 V DC/AC PTC element (80° C)
General specifications:
Type of protection: IP 65
Load: max. 60 m/s transient
Incoming cable: 3 m, LiYY 6 x 0.25 mm²
Fixing method: Mounting bracket
Mounting position: vertical
Accessories: SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
Contents: With mounting bracket.

Time switch

SpaceLogic KNX Year Time Switch REG-K/8/800

Version	Art. no.
	MTN6606-0008

8-channel KNX time switch with year and astro program. Time switch with connection option for the GNSS antenna. To enable radio-controlled time synchronisation via GPS, the device needs to be fitted with the antenna. Time and date can be issued on the bus.
The device can be programmed manually on the device itself or on the PC using software. After programming on the PC, all switching times are exported to a memory chip available as an accessory, and transmitted from this into one or more time switches.

- Comprehensive annual clock functions
- 8 channels
- 800 memory switching time locations
- 8 years power reserve (lithium battery)
- Text-oriented user interface in the display
- Display lighting (can be switched off)
- Astronomic switch function (automatic calculation of sunrise and sunset times for the whole year)
- Time synchronisation by connecting an external GNSS antenna; additional positioning for astro program
- Time and date synchronisation for other bus devices
- Automatic changeover between summer and winter time
- Switch-off timer
- Holiday program
- 2 random programs
- Integrated operating hours counter
- ON/OFF switching times
- Impulse program
- Cycle program
- Switch preselection
- ON/OFF permanent switching
- PIN coding
- Interface for memory card (PC programming)
- Screwless terminals for 2 lines each

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
Operating voltage: Bus: DC 24 V
Mains: AC 110-240 V
Shortest switching time: 1 s
Accuracy: ≤ ±0.5s/day
Power reserve: 8 years
Type of protection: IP 20
Device width: 3 modules = approx. 54 mm
Accessories: Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch CCT15860, IHP+ and KNX Year Time Switch key CCT15861

IHP+ and KNX Year Time Switch key

Version	Art. no.
	CCT15861

Memory card for saving and duplicating programs for time switches. The program created by the software is loaded to the memory chip and can then be imported to one or more time switches.
For IHP+ 1c/2c, ICAstro 1c/2c, IC100kp+ 1c/2c, IHP 1c 18 mm, IHP+ 1c 18 mm and KNX Year Time Switch
In KNX, to be completed with: SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008

Special Sensors
Time switch

Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch

Version	Art. no.
	CCT15860

For IC Astro and IC 100kp+.
In KNX, to be completed with: SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008
Accessories: IHP+ and KNX Year Time Switch key CCT15861
Contents: With adapter, memory chip and 2 m USB cabel.

Energy Meter

Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels

Version	Art. no.	
80 A, 6 circuits	**R9M80X6M**	**New**

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80A (R9MCT80).
The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase)
- Current per circuit
- Active power per circuit (single-phase)
- Power factor (single-phase)
- Frequency (single-phase)

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS-485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN 60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs
Measured voltage: AC 230 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs
Measured current: 20 mA to 80 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment
Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:
Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 4 LEDs (power, alarm, communication, digital output), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 27 x 70 x 113.6 mm

To be completed with: SET of 6 Resi9 current transformers 80A, R9MCT80.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS100100

Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels

Version	Art. no.	
80 A, 160 A, 250 A, 6 circuits	**R9MUX6M**	**New**

The energy meter measures current, voltage, energy consumption, etc., for monitoring single-phase and three-phase electrical installations. It provides bidirectional active energy values, which are stored in the energy meter's non-volatile memory. The energy meter can provide both highly accurate measured values and average values. The current measurements are made via the Resi9 current transformers 80 A (R9MCT80), 160 A (R9MCT160), and 250 A (R9MCT250).
The energy meter provides highly accurate measurement data or calculated average value of a second time for the true RMS (root mean square) value for the below listed items:

- Voltage (single-phase and three-phase)
- Current per circuit
- Active power (single-phase and three-phase)
- Power factor (single-phase and three-phase)
- Frequency

To visualize the measured values in KNX, you can connect SpaceLogic KNX spaceLYnk or Wiser for KNX logic controller.

The energy meter communicates with a standard Modbus system via the Modbus interface. It uses Modbus RTU as the communication protocol via RS485; the basic implementation class is used.

- It acts as a Modbus secondary device connected to an edge controller
- Supported baud rate: 1200 bps, 2400 bps, 4800 bps, 9600 bps, 19200 bps, 38400 bps default: 19200 bps, maximum: 38400 bps
- Half-duplex, four-wire Modbus (D1/+, D0/-, shield, 0V)
- Line termination is provided externally
- Up to 15 devices can be connected to a single RS485 bus

Configuration: The energy meter can be configured by Modbus Poll and other standard Modbus systems via the Modbus interface.

For mounting on TH35 DIN rails in accordance with EN60715

Nominal voltage: AC 100-240 V, 50/60 Hz, or DC 80-265 V
Power loss: < 5 VA @ AC; < 3 W @ DC

Voltage Inputs
Measured voltage: 3 of AC 230 V / 400 V, +/- 20 %
Nominal frequency: 50 Hz, +/-5 Hz

Current inputs
Measured current: 20 mA to 80 A, 40 mA to 160 A, 40 mA to 250 A
Nominal frequency: 50 Hz, +/-5 Hz

DO output: DC 24 V, 50 mA
Pulse output: 400 imp/kWh

Environment
Operating temperature: -25 °C to +60 °C
Storage temperature: -40 °C to +85 °C
Humidity rating: 5% to 95% relative at 50 °C (non-condensing)
Pollution degree: 2
Altitude: ≤ 2000 m (6562 ft)

Terminals:
Digital-Pulse output / RS485 / Current input: 1x 0.2 - 1.5 mm²
Power supply / Voltage input: 1x 0.2 - 2.5 mm²
Operating elements: 5 LEDs (power, alarm, communication, digital output 1, and digital output 2), 1x push button (reset)

Protection type: IP40 front display, IP20 housing
Dimensions (W x L x H): 36 x 70 x 114.6 mm

To be completed with: SET of 6 Resi9 current transformers 80 A, R9MCT80.
SET of 3 Resi9 current transformers 160 A, R9MCT160 / 250 A, R9MCT250.
Scope of delivery: With pluggable screw and plug-in terminals
Compatible with: SpaceLogic KNX spaceLYnk LSS100200, SpaceLogic KNX Wiser for KNX LSS10010

SET of 6 Resi9 current transformerts 80 A

Version	Art. no.	
80 A	**R9MCT80**	**New**

The current transformer 80 A is used for current sensing. One set contains 6 units of 80 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 10 mm
Dimensions (W x L x H): 27 x 13 x 29.5 mm
Cable length: 1 m (can be reduced or extended to max. 1.5 m without affecting the accuracy)
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 8x 1.5 mm² / 6x 2.5 mm² / 4x 4 mm² / 2x 6 mm² / 1x 10 mm² / 1x 16 mm²

To be completed with:
- Resi9 Energy Meter Wired, Single Phase, 80A, 6 Channels, R9M80X6M.
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformerts 160 A

Version	Art. no.	
160 A	**R9MCT160**	**New**

The current transformer 160 A is used for current sensing. One set contains 3 units of 160 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 19 mm
Dimensions (W x L x H): 48 x 29 x 54 mm
Cable length: 1.5 m
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 16 mm² / 2x 25 mm² / 1x 35 mm² / 1x 50 mm² / 1x 70 mm²

To be completed with:
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

SET of 3 Resi9 current transformerts 250 A

Version	Art. no.	
250 A	**R9MCT250**	**New**

The current transformer 250 A is used for current sensing. One set contains 3 units of 250 A current transformers.

Features:
- Max. 2 CTs per CT channel input can be used without impact on accuracy
- Pre-wired

Diameter phase opening: 27 mm
Dimensions (W x L x H): 60 x 29 x 66 mm
Cable length: 1.5 m
Suitable cores: The diameter of the phase opening is suitable for the following cross-sections: 3x 35 mm² / 1x 50 mm² / 1x 70 mm² / 1x 95 mm² / 1x 125 mm² / 1x 150 mm² / 1x 185 mm²

To be completed with:
- Resi9 Energy Meter Wired, Universal, 80A/160A/250A, 6 Channels, R9MUX6M.

Special Sensors
Energy Meter

Switch Actuators Overview

	SpaceLogic KNX, Secure, Switch/ Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode			SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode and current detection			
Comercial reference	**MTN6705-0008S**	**MTN6705-0008**	**MTN6805-0008**		**MTN647593**	**MTN647893**	**MTN648493**	**MTN647395**	**MTN647595**	**MTN647895**	**MTN648495**
KNX Secure certified	■	—			—	—	—	—	—	—	—
Number of switch contacts	8	8	8		4	8	12	2	4	8	12
Device width (1 md. = 1 module = 18 mm)	4 md.	4 md.	4 md.		4 md.	8 md.	12 md.	2.5 md.	4 md.	8 md.	12 md.
Manual mode ■ Mechanical ■ Electrical ■ Reset by manual mode triggered actions	— ■ (lockable) —	— ■ (lockable) —	on master device		■ — —			■ — ■			
Connecting terminal (consumer load)	Screw terminals	Screw terminals	Screw terminals		Screw terminals			Screw terminals			
Nominal voltage, AC, 50-60 Hz	AC 250 V	AC 250 V	AC 250 V		AC 230 V	AC 100-240 V	AC 230 V	AC 100-240 V	AC 230 V	AC 100-240 V	AC 100-240 V
Nominal current	16 A AC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 A AC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 A AC-1, IEC 60947-4-1 10 A, IEC 60669-2-5		16 A, cosφ = 0.6			16 A, cosφ = 0.6			
Connection power max. at AC 230 V ■ Incandescent lamps ■ Halogen lamps ■ Capacitive load ■ Fluorescent lamps	2300 W 2300 W 10 AX, 140 µF	2300 W 2300 W 10 AX, 140 µF	2300 W 2300 W 10 AX, 140 µF		3600 W 2500 W 200 µF 2500 VA			3600 W 2500 W 200 µF 2500 VA			
DC power supply	not allowed	not allowed	not allowed		not allowed			Purely resistive loads allowed, DC 12-24 V, +10 %, 0,1 - 16 A			
Software											
ON/OFF delay	■	■	The software functions are provided by the master device		■			■			
Staircase lighting function with/without manual OFF ■ Retriggerable ■ Fix (for all push-buttons the same time) ■ Variable (for all push-buttons different times) ■ Retriggerable and adding ■ Retrigger to the higher time ■ Prewarn	■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■			■ ■ — — — — ■			■ ■ ■ ■ ■ ■ ■			
Flashing	■	■			■			■			
Make/Break contact adjustable	■	■			■			■			
Changeover contact adjustable	—	—			■			—			
Status/Status feedback ■ Active ■ Passive ■ Manual mode: Identify and acknowledge / Reset ■ Delayed per device / Delayed per channel	■ ■ ■ / ■ ■ / ■	■ ■ ■ / ■ ■ / ■			■ ■ — / — — / —			■ ■ ■ / ■ ■ / ■			
Behaviour of bus voltage failure / bus voltage recovery	■ / ■	■ / ■			■ / ■			■ / ■			
Scenes ■ Sending delay	16 ■	16 ■			8 —			8 ■			
Higher priority functions	■ Logic function ■ Disable function or priority function	■ Logic function ■ Disable function or priority function			■ Disable function ■ Logic function or priority function			■ Logic function ■ Disable function or priority function			
Disable function ■ Behaviour of locking after bus voltage recovery	■	■			■			■			
Logic function ■ Logic operation ■ Value comparison / logic / gate function / filter / time delay	■ — / — / — / — / —	■ — / — / — / — / —			■ — / — / — / — / —			■ ■ / ■ / ■ / ■ / ■			
Central function ■ Time delay / Save changes	■ ■ / ■	■ ■ / ■			■ — / —			■ ■ / ■			
Safety function	■	■			—			■			
Line monitoring (sending live signal)	■	■			—			■			
Energy saving function	■	■			—			—			
Switching cycle counter	■	—			—			—			
Firmware update (USB/TP)	■ / ■	■ / —			— / —			— / —			
Firmware version visible in ETS application	■	—			—			—			

Switch Actuators Overview

	SpaceLogic KNX, Secure, Switch/ Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode			SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode and current detection			
Comercial reference	**MTN6705-0008S**	**MTN6705-0008**	**MTN6805-0008**		**MTN647593**	**MTN647893**	**MTN648493**	**MTN647395**	**MTN647595**	**MTN647895**	**MTN648495**
Current detection											
■ AC/DC	—	—	The software functions are provided by the master device			—			■		
■ Display energy consumption*	—	—				—			■		
■ Several limit monitorings	—	—				—			■		
■ Switch counter	—	—				—			■		
■ Hours counter	—	—				—			■		
■ Combined counter (Switch and hour counter with limit monitoring)	—	—				—			■		
Heating function											
■ Switching ON/OFF (2-point valve)	—	—				—			■		
■ Continuous (PWM)	—	—				—			■		
■ Cyclic surveillance of control value	—	—				—			■		
■ Locking in summer/winter mode	—	—				—			■		
■ Collected response „All valves closed“	—	—				—			■		
■ Current detection	—	—				—			■		
■ Valve protection cyclical / with telegram	— / —	— / —				— / —			■ / ■		
■ Valve protection feedback / status	— / —	— / —				— / —			■ / ■		
■ Behaviour when bus voltage fails / when bus voltage returns	— / —	— / —				— / —			■ / ■		

Flush-Mounted

SpaceLogic KNX Flush Mounted Switch Actuator 1g with 3 binary inputs

Version	Art. no.
	MTN6003-0011

1-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.
The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable.
The connecting cable for the inputs can be extended to a max. of 10 m.
KNX Secure compatible
KNX software functions: Switch actuator functions:
Operation as break contact or make contact. Selection of default position on bus voltage failure/recovery. Switch on and/or off delay. Time switch function. Switching. Status feedback. Disable function or priority control. Scene function (64). Status feedback object can be inverted.
Input function:
Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature,
Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).
Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and lightscene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Lightscene ext. unit with memory function.
Logic module:
Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V
Nominal current: 16 A, ohmic load
Switch contact: Make contact, floating relay contact
Nominal output
Incandescent lamps: AC 230 V, max. 2500 W
Halogen lamps: AC 230 V, max. 2500 W
HV LED lamps: AC 230 V, max. 400 W
Ohmic load: AC 230 V, 3000 W
Capacitive load: AC 230 V, 16 A, max. 140 µF
LV halogen lamps: max. 1200 VA, wound transformer
max. 1500 W, electronic transformers
Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated
AC 230 V, max. 1160 W (140 µF) with parallel compensation
Inputs: 3
Temperature range: -5 °C to 45 °C
Dimensions: 48x50x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

SpaceLogic KNX Flush Mounted Blind/Switch actuator 2g with 3 binary inputs

Version	Art. no.
	MTN6003-0012

1-gang blind actuotr or 2-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.
The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable.
The connecting cable for the inputs can be extended to a max. of 10 m.
KNX Secure compatible
KNX software functions: Blind actuator function:
Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. Scene function (64). Memory function for scenes.
Input function:
Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature,
Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).
Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Scene ext. unit with memory function.
Logic module:
Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V
Nominal current: ∑ 16 A, ohmic load
Switch contact: Make contact, floating relay contact
Nominal output
Motor: AC 230 V, max. 1380 W
Incandescent lamps: AC 230 V, max. 2500 W
Halogen lamps: AC 230 V, max. 2500 W
HV LED lamps: AC 230 V, max. 400 W
Ohmic load: AC 230 V, 3000 W
Capacitive load: AC 230 V, 16 A, max. 140 µF
LV halogen lamps: max. 1200 VA, wound transformer
max. 1500 W, electronic transformers
Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated
AC 230 V, max. 1160 W (140 µF) with parallel compensation
Inputs: 3
Temperature range: -5 °C to 45 °C
Dimensions: 48x50x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

DIN Rail

SpaceLogic KNX Switch actuator REG-K/2x230/16 with manual mode and current detection

Version	Art. no.
light grey	**MTN647395**

For independent switching of two loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.
A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.
Current detection function: Behaviour when value exceeds/falls short of the threshold value.
Energy, operating and switch on counter with limit value monitoring.
Flash function.
Nominal voltage: AC 100-240 V ±10%
DC 12-24 V, 0.1-16 A
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
For each switching contact:
Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection (load current):
Detection range: 0.1 A to 16 A (sine effective value or DC)
Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA
Frequency: 50/60 Hz, for alternating current (AC)
Description: 100 mA
Device width: 2.5 modules = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Switch actuator REG-K/4x230/16 with manual mode

Version	Art. no.
light grey	**MTN647593**

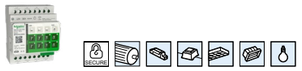
For independent switching of four loads via make contacts. With integrated bus coupler 2 and screw terminals. The 230 V switch output can be operated with a manual switch.
A green LED indicates readiness for operation after the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.
Nominal voltage: 230 V AC, 50-60 Hz
For each switching contact:Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: $>10^6$
AC1/AC3/AC5 operation: $>3x10^4$
230V, 1A resistive: $>8x10^5$**Incandescent lamps:** 230 V AC, max. 3600 W
Halogen lamps: 230 V AC, max. 2500 W
Fluorescent lamps: AC 230 V, max. 2500 VA
Capacitive load: 230 V AC, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Switch actuator REG-K/4x230/16 with manual mode and current detection

Version	Art. no.
light grey	**MTN647595**

For independent switching of four loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.
A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.
Current detection function: Behaviour when value exceeds/falls short of the threshold value.
Energy, operating and switch on counter with limit value monitoring.
Flash function.
Nominal voltage: 230 V AC, 50-60 Hz
DC 12-24 V ±10%, 0.1-16 A
For each switching contact:Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: >10^6
AC1/AC3/AC5 operation: >$3x10^4$
230V, 1A resistive: >$8x10^5$**Incandescent lamps:** 230 V AC, max. 3600 W
Halogen lamps: 230 V AC, max. 2500 W
Fluorescent lamps: 230 V AC, max. 2500 VA, with parallel compensation
Capacitive load: 230 V AC, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection load current:Detection range: 0.1 A to 16 A (sine effective value or direct current)
Detection accuracy: +/- 8% of the present current value (sine) and +/- 100 mA
Frequency: 50/60 Hz with alternating voltage
Display: 100 mA
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX, Secure, Switch/Blind Master



Version	Art. no.	
white	**MTN6705-0008S**	**New**

This device is KNX Secure certified.
For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA
For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal.

SpaceLogic KNX Switch/Blind Master

Version	Art. no.	
white	**MTN6705-0008**	**Discontinued**

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA
For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal.

SpaceLogic KNX Switch/Blind Extension

Version	Art. no.
white	**MTN6805-0008**

The SpaceLogic KNX Switch/Blind Extension is a switch actuator that extends the channels of a SpaceLogic KNX Switch/Blind Master (Secure) or a SpaceLogic KNX Universal Dimming Master (Secure).

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable.

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus.

All outputs can be operated manually using the Master's keypad.

On the Extension a green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually.

For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

KNX software functions: The functions are set in the KNX application of the Master

Supply voltage: via link interface
Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA

For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: SpaceLogic KNX Switch/Blind Master MTN6705-0008/ MTN6705-0008S, SpaceLogic KNX Universal Dimming Master MTN6710-0102/ MTN6710-0102S
Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002
Contents: With Module Link.

SpaceLogic KNX Cable Link S

Version	Art. no.
30 cm	**MTN6941-0001**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 30 cm

SpaceLogic KNX Cable Link L

Version	Art. no.
150 cm	**MTN6941-0002**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 150 cm

SpaceLogic KNX Module Link

Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.

SpaceLogic KNX Switch actuator REG-K/8x230/16 with manual mode

Version	Art. no.
light grey	**MTN647893**

For independent switching of 8 loads via make contacts. All 230 V switch outputs can be operated with manual switches. With integrated bus coupler.
The device is connected to the mains via screw terminals; every second L connection is bridged internally. A green LED indicates readiness for operation after the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.
Nominal voltage: AC 100-240 V ±10%
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
For each switching contact:
Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: >10^6
AC1/AC3/AC5 operation: >$3x10^4$
230V, 1A resistive: >$8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Device width: 8 modules = approx. 144 mm
Contents: With bus connecting terminal and cable cover.

Switch Actuators
DIN Rail

SpaceLogic KNX Switch actuator REG-K/8x230/16 with manual mode and current detection

Version	Art. no.
light grey	**MTN647895**

For independently switching 8 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.
A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.
Current detection function: Behaviour when value exceeds/falls short of the threshold value.
Energy, operating and switch on counter with limit value monitoring.
Flash function.
Nominal voltage: AC 100-240 V ±10%
DC 12-24 V, 0.1-16 A
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
For each switching contact:
Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: >10^6
AC1/AC3/AC5 operation: >$3x10^4$
230V, 1A resistive: >$8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection (load current):
Detection range: 0.1 A to 16 A (sine effective value or DC)
Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA
Frequency: 50/60 Hz, for alternating current (AC)
Description: 100 mA
Device width: 8 modules = approx. 144 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Switch actuator REG-K/12x230/16 with manual mode

Version	Art. no.
light grey	**MTN648493**

For independent switching of 12 loads via make contacts. All 230 V switch outputs can be operated with manual switches. With integrated bus coupler.
The device is connected to the mains via screw terminals; every second L connection is bridged internally. A green LED indicates readiness for operation after the application has been loaded.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.
Nominal voltage: 230 V AC, 50-60 Hz
For each switching contact:Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: >10^6
AC1/AC3/AC5 operation: >$3x10^4$
230V, 1A resistive: >$8x10^5$**Incandescent lamps:** 230 V AC, max. 3600 W
Halogen lamps: 230 V AC, max. 2500 W
Fluorescent lamps: AC 230 V, max. 2500 VA
Capacitive load: 230 V AC, 16 A, max. 200 µF
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Device width: 12 modules = approx. 216 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Switch actuator REG-K/12x230/16 with manual mode and current detection

Version	Art. no.
light grey	**MTN648495**

For independently switching 12 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.
A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.
Current detection function: Behaviour when value exceeds/falls short of the threshold value.
Energy, operating and switch on counter with limit value monitoring.
Flash function.
Nominal voltage: AC 100-240 V ±10%
DC 12-24 V, 0.1-16 A
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
For each switching contact:
Switching current: 16 A, cosφ= 0.6
AC1 operation: max. 16 A
AC3 operation: max. 10 A
AC5 operation: max. 16 A
DC current switching capacity: max. 16 A/ 24 V DC
Output life endurance:
Mechanical: >10^6
AC1/AC3/AC5 operation: >$3x10^4$
230V, 1A resistive: >$8x10^5$
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 230 V, 16 A, max. 200 µF
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Minimum switching performance: 100 mA/12 V AC/DC
Maximum peak inrush-current:
150µs: 600 A
250µs: 480 A
600µs: 300 A
Current detection (load current):
Detection range: 0.1 A to 16 A (sine effective value or DC)
Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA
Frequency: 50/60 Hz, for alternating current (AC)
Description: 100 mA
Device width: 12 modules = approx. 216 mm
Contents: With bus connecting terminal and cable cover.

Blind Actuators Overview

	SpaceLogic KNX, Secure, Switch/Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Blind actuator REG-K/4x24/6 with manual mode	SpaceLogic KNX Blind actuator REG-K/x/10 with manual mode		SpaceLogic KNX Blind actuator REG-K/8x/10 with manual mode
Article number	**MTN6705-0008S**	**MTN6705-0008**	**MTN6805-0008**		**MTN648704**	**MTN649802**	**MTN649804**	**MTN649808**
KNX Secure certified	■	—			—	—	—	—
Number of channels	8	8	8		4	2	4	8
Device width	4 modules	4 modules	4 modules		4 modules	4 modules		8 modules
Manual mode push-buttons	■	■	■		■	■		■
Connecting terminal (consumer load)	Screw terminals	Screw terminals	Screw terminals		Plug-in screw terminals	Plug-in screw terminals		Plug-in screw terminals
Nominal voltage, AC, 50-60 Hz	AC 250 V	AC 250 V	AC 250 V		—	AC 100-240 V		AC 230 V
Nominal voltage, DC	—	—	—		DC 24 V, ±10 %	—		—
Nominal current	16 A AC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 A AC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 A AC-1, IEC 60947-4-1 10 A, IEC 60669-2-5		6 A	10 A, cosφ = 0,6		10 A, cosφ = 0,6
Auxiliary power (optional)	—	—	—		—	—		AC 110-240 V, 50-60 Hz, max. 2 VA
Software								
Configuration switching or blind	■	■	The software functions are provided by the master device		—	—		—
Defining blind type	■	■			■	■		■
Slat functionality	■	■			■	■		■
Calibration (reference movement)	■	■			■	■		■
Movement range limit	■	■			■	■		■
Pause on reverse on change in direction	■	■			■	■		■
Extended drive parameters	■	■			■	■		■
Control by ■ manual mode via the push-buttons of the actuator ■ automatic objects or preset objects ■ manual operation via objects	 ■ ■ ■	 ■ ■ ■			 ■ ■ ■	 ■ ■ ■		 ■ ■ ■
Manual mode enable/disable when bus voltage fails	—	—			—	—		■ (Precondition: auxiliary power)
Locking manual operation via objects	■	■			■	■		■
Weather alarm functions ■ Wind alarm ■ Rain alarm ■ Frost alarm ■ Set the order of priority ■ Behaviour at start/end of the wether alarm	 3 1 1 ■ ■	 3 1 1 ■ ■			 3 1 1 ■ ■	 3 1 1 ■ ■		 3 1 1 ■ ■
Alarm functions ■ Behavior at the start/end of the alarm	■	■			■	■		■
Set the order of priority for higher-level functions (alarm, weather alarm, locking, movement range)	■	■			■	■		■
Scenes	16	16			5	5		5
Disable function ■ Behavior at the start/end of the locking	■	■			■	■		■
Behaviour of bus voltage failure / bus voltage recovery / download	■ / ■ / ■	■ / ■ / ■			■ / ■ / ■	■ / ■ / ■		■ / ■ / ■
Status messages ■ Hight ■ Slat ■ Automatic ■ Drive locking or movement range limit	 ■ ■ ■ ■	 ■ ■ ■ ■			 ■ ■ ■ ■	 ■ ■ ■ ■		 ■ ■ ■ ■
Line monitoring (sending live signal)	■	■			—	—		—
Energy saving function	■	■			—	—		—

Flush-Mounted

SpaceLogic KNX Flush Mounted Blind/Switch actuator 2g with 3 binary inputs

Version	Art. no.
	MTN6003-0012

1-gang blind actuotr or 2-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.
The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.
KNX Secure compatible
KNX software functions: Blind actuator function:
Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. Scene function (64). Memory function for scenes.
Input function:
Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature,
Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).
Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.
Scene ext. unit with memory function.
Logic module:
Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V
Nominal current: ∑ 16 A, ohmic load
Switch contact: Make contact, floating relay contact
Nominal output
Motor: AC 230 V, max. 1380 W
Incandescent lamps: AC 230 V, max. 2500 W
Halogen lamps: AC 230 V, max. 2500 W
HV LED lamps: AC 230 V, max. 400 W
Ohmic load: AC 230 V, 3000 W
Capacitive load: AC 230 V, 16 A, max. 140 µF
LV halogen lamps: max. 1200 VA, wound transformer
max. 1500 W, electronic transformers
Fluorescent lamps: AC 230 V, max. 1000 W, uncompensated
AC 230 V, max. 1160 W (140 µF) with parallel compensation
Inputs: 3
Temperature range: -5 °C to 45 °C
Dimensions: 48x50x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

DIN Rail

SpaceLogic KNX Blind actuator REG-K/2x/10 with manual mode

Version	Art. no.
light grey	**MTN649802**

For independent control of 2 blind/roller shutter drives. The function of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.
For each blind output:
Nominal voltage: AC 100-240 V ±10%
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
Nominal current: 10 A, inductive load cosφ = 0.6
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Blind actuator REG-K/4x24/6 with manual mode

Version	Art. no.
light grey	**MTN648704**

For independent control of 4 blind/roller shutter drives. The function of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.
For each blind output:
Nominal voltage: DC 24 V ±10 %
Nominal current: 6 A
Load types: 24 V direct current drives
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

Blind Actuators

DIN Rail

SpaceLogic KNX Blind actuator REG-K/4x/10 with manual mode

Version	Art. no.
light grey	**MTN649804**

For independent control of 4 blind/roller shutter drives. The functions of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation.
Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.
For each blind output:
Nominal voltage: AC 100-240 V ±10%
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
Nominal current: 10 A, inductive load cosφ = 0.6
Motor load: AC 100 V, max. 434 W
AC 230 V, max. 1000 W
AC 240 V, max. 1043 W
Device width: 4 modules = approx. 72 mm
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Blind actuator REG-K/8x/10 with manual mode

Version	Art. no.
light grey	**MTN649808**

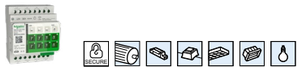
For independent control of 8 blind/roller shutter drives. The functions of the blind channels is freely configurable. All blind outputs can be operated manually using push-buttons.
Channel status display via LEDs. A green LED indicates readiness for operation.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Blind functions: Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.
For each blind output:
Nominal voltage: AC 230 V, 50 - 60 Hz
Nominal current:10 A, cosφ = 0.6
Motor load: AC 230 V, max. 1000 W
External auxiliary voltage (optional): AC 110-240 V, 50-60 Hz, max. 2 VA
Device width: 8 modules = approx. 144 mm
Contents: With bus connecting terminal and cable cover.

Blind/Switch Actuators

DIN Rail

DIN Rail

SpaceLogic KNX, Secure, Switch/Blind Master



Version	Art. no.	
white	**MTN6705-0008S**	New

This device is KNX Secure certified.
For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA
For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal.

SpaceLogic KNX Switch/Blind Master

Version	Art. no.	
white	**MTN6705-0008**	**Discontinued**

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Blind actuator functions: Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

Switch actuator functions: Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, status feedback function for each channel.

Supply voltage: KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA
For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal.

SpaceLogic KNX Switch/Blind Extension

Version	Art. no.
white	**MTN6805-0008**

The SpaceLogic KNX Switch/Blind Extension is a switch actuator that extends the channels of a SpaceLogic KNX Switch/Blind Master (Secure) or a SpaceLogic KNX Universal Dimming Master (Secure).
For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable.

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus.

All outputs can be operated manually using the Master's keypad.

On the Extension a green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually.

For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

KNX software functions: The functions are set in the KNX application of the Master

Supply voltage: via link interface
Nominal voltage: AC 250 V, 50-60 Hz
Nominal current: 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

For each blind output:
Motor load: 1000 VA

For each switch output:
Nominal load
Incandescent lamps: 2300 W
Halogen lamps: 2300 W
LED: 200 W
Capacitive load: 10 AX, max. 140 µF
Inductive load: 10 A, cosφ = 0.6
Relay data - inrush current: max. 800 A/200 µs, max. 165 A/20 ms

Device width: 4 modules = approx. 72 mm
In KNX, to be completed with: SpaceLogic KNX Switch/Blind Master MTN6705-0008/ MTN6705-0008S, SpaceLogic KNX Universal Dimming Master MTN6710-0102/ MTN6710-0102S
Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002
Contents: With Module Link.

SpaceLogic KNX Cable Link S

Version	Art. no.
30 cm	**MTN6941-0001**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 30 cm

SpaceLogic KNX Cable Link L

Version	Art. no.
150 cm	**MTN6941-0002**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 150 cm

SpaceLogic KNX Module Link

Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.

DIN Rail

SpaceLogic KNX Hybrid Switch Actuator REG-K/4x250/10 with manual mode

Version	Art. no.
4 channels, white	**MTN6700-0104**

For the Chinese market.

For independent switching of 4 loads or for controlling up to 2 blinds/roller shutters, 1 fan coil with 3 levels, two 2-pipe valve controls or one 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.
A green LED indicates readiness for operation after the application has been loaded.
For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions
Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 9 mA, maximum 20 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 2x 6-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 72x90x64 mm

Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Hybrid Switch Actuator REG-K/8x250/10 with manual mode

Version	Art. no.
8 channels, white	**MTN6700-0108**

For the Chinese market.

For independent switching of 8 loads or for controlling up to 4 blinds/roller shutters, 2 fan coils with 3 levels, four 2-pipe valve controls or two 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.
A green LED indicates readiness for operation after the application has been loaded.
For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions
Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

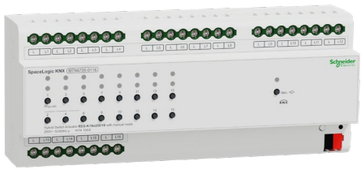
Power supply: KNX Bus
Rated current: 10 mA max. 22 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 250 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 8 channels: 3x 6-gang

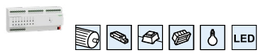
Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 192 A/1.2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 72x90x64 mm

Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Hybrid Switch Actuator REG-K/16x250/10 with manual mode



Version	Art. no.
16 channels, white	**MTN6700-0116**

For the Chinese market.

For independent switching of 16 loads or for controlling up to 8 blinds/roller shutters, 4 fan coils with 3 levels, eight 2-pipe valve controls or four 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.
A green LED indicates readiness for operation after the application has been loaded.
For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions
Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/ recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 10 mA max. 26 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

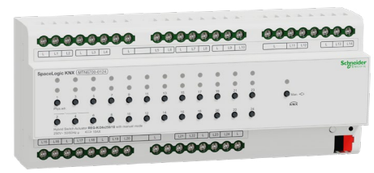
Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 4x 8-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators
DIN Rail



SpaceLogic KNX Hybrid Switch Actuator REG-K/24x250/10 with manual mode

Version	Art. no.
24 channels, white	**MTN6700-0124**

For the Chinese market.

For independent switching of 24 loads or for controlling up to 12 blinds/roller shutters, 6 fan coils with 3 levels, twelve 2-pipe valve controls or six 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.
A green LED indicates readiness for operation after the application has been loaded.
For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions
Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/ recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 12 mA max. 28 mA/24 V
KNX power consumption: < 840 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 10 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 6 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 2500 W
Fluorescent lamp: 2500 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 1100 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 900 W
LED lamp: 300 W, cos φ ≥ 0.6
Capacitive loads: 10 AX, 140 µF
Motors: 1500 VA, cos φ ≥ 0.6
Minimum switching current: 100 mA/12 V AC
Connection KNX: Bus connection terminal
Connection port mains: screw terminal blocks, 5x 8-gang

Relay data
Switching frequency at rated load: Maximum 60 operation/min
Mechanical service life: >1x10^6
Inrush current: 320 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Dimensions (WxHxD): 216x90x64 mm

Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Switch Actuator REG-K/4x250/20 with manual mode

Version	Art. no.
4 channels, white	**MTN6700-0304**

For the Chinese market.

The actuator is used for switching 4 loads, or can be used as a 4-channel heating acutator for valves (without heating controller).
A green LED indicates readiness for operation after the application has been loaded.
For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions:
Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/ recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

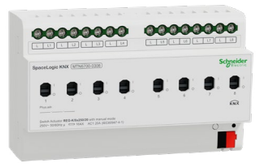
Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 1x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 30 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

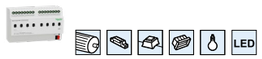
Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD): 4 channels: 72 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators
DIN Rail



SpaceLogic KNX Switch Actuator REG-K/8x250/20 with manual mode



Version	Art. no.
8 channels, white	**MTN6700-0308**

For the Chinese market.

The actuator is used for switching 8 loads, or can be used as a 8-channel heating acutator for valves (without heating controller).
A green LED indicates readiness for operation after the application has been loaded.
For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions:
Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/ recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

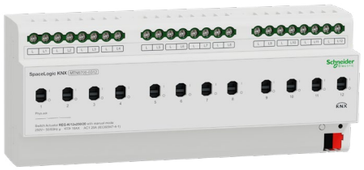
Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 2x8-gang

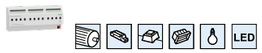
Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 8 channels 20 operations/min
Mechanical service life: >1x10^6
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD): 8 channels: 144 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.



SpaceLogic KNX Switch Actuator REG-K/12x250/20 with manual mode



Version	Art. no.
12 channels, white	**MTN6700-0312**

For the Chinese market.

The actuator is used for switching 12 loads, or can be used as a 12-channel heating acutator for valves (without heating controller).
A green LED indicates readiness for operation after the application has been loaded.
For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

General KNX software functions: Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

Switching actuator functions:
Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/ recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

Heating actuator functions
PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

Power supply: KNX Bus
Rated current: 6.5 mA, max. 19 mA/24 V
KNX power consumption: < 600 mW
Nominal voltage: AC 250 V, 50/60 Hz

Nominal power for each contact:
AC1 20 A operation (cos φ = 0.8) accord. with IEC 60947-4-1
AC3 16 A operation (cos φ = 0.45) accord. with IEC 60947-4-1
Incandescent lamp: 4000 W
Fluorescent lamp: 4000 W
Electronic transformer for extra low voltage lamps (e.g. halogen lamps): 3000 W
Iron core transformer for extra low voltage lamps (e.g. halogen lamps): 2200 W
LED lamp: 750 W, cos φ ≥ 0.6
Capacitive loads: 20 AX, 200 µF
Motors: 4000 VA, cos φ ≥ 0.6

Minimum switching current: 100 mA/12 V AC
Connection port KNX: Bus connection terminal
Connection port Mains: Screw terminal blocks, 3x8-gang

Relay data
Switching frequency at rated load: for one channel: 60 operations/min
for all channels: 12 operations/min
Mechanical service life: >1x10^{6}
Inrush current: 500 A/2 ms
Protection type: IP20
Protection class: II
Insulation category: Overvoltage category III, pollution degree 2

Environmental conditions
Operating temperature: -5...+45 °C
Storage temperature: -25 ...+55 °C
Transport temperature: -25 ...+70°C
Maximum humidity: 93 %, no condensation
Installation height: As high as 2000 m above sea level
Product dimensions (WxHxD):12 channels 216 x 90 x 64 mm

Contents: With bus connecting terminal and cable cover.

Hybrid Switch Actuators
DIN Rail

Dimming Actuators Overview

	SpaceLogic KNX, Secure, Dimmer Master	SpaceLogic KNX Universal Dimming Master		SpaceLogic KNX Universal Dimming Extension	SpaceLogic KNX Universal dimming actuator LL REG-K/4x230/250 W
Article number	**MTN6710-0102S**	**MTN6710-0102**		**MTN6810-0102**	**MTN6710-0004**
KNX Secure certified	■	—			—
Number of channels	2	2		2	4
Device width	4 modules	4 modules		4 modules	8 modules
Manual operation push-buttons	■	■		■	■
Connecting terminal (consumer load)	Screw terminals	Screw terminals		Screw terminals	Plug-in screw terminals
Nominal voltage	AC 110 - 240 V 50/60 Hz	AC 110 - 240 V 50/60 Hz		AC 110 - 240 V 50/60 Hz	AC 110 - 130 V AC 220 - 230 V 50/60 Hz
Halogen load at 230 V					
■ Configuration of 4 channels	—	—		—	4 x 250 W/VA
■ Configuration of 3 channels	—	—		—	1 x 350 W/VA, 2 x 250 W/VA
■ Configuration of 2 channels	2x 350 W	2x 350 W		2x 350 W	2x350 W/VA (230V)
■ Configuration of 1 channel	1x 350 W	1x 350 W		1x 350 W	1x350 W/VA (230V)
Minimum resistive load	—	—		—	4 W
Minimum resistive-inductive load	—	—		—	25 VA
Minimum resistive-capacitive load	—	—		—	4 W
Automatic load detection / leading edge (RL-LED, ESL, CFL)	■ / ■	■ / ■		■ / ■	■ / ■
Connection of different Phases	■	■		■	■
Relay for load separation	—	—		—	■
Input for extension unit operation, lockable (switching, staircase lighting function)	—	—		—	—
Software					
Manual operation enable/disable via bus				The software functions are provided by the master device	■
Dimming function ■ Minimum dimming value / Maximum dimming value ■ Starting behav. / Memory function / 50% brightness (ESL/CFL) ■ Dimming object switches channel ■ Value object switches channel ■ Same dimming time at central function and scenes ■ Delay times for ON and OFF ■ Base dimming curve with 3 threholds ■ Dimming time reduction via object ■ 4 preconfigured dimming sets for the dimming time reduction*	■ / ■ ■ / ■ / ■ ■ ■ ■ ■ ■ ■ ■ ■	■ / ■ ■ / ■ / ■ ■ ■ ■ ■ ■ ■ ■ ■			■ / ■ ■ / ■ / ■ ■ ■ ■ ■ ■ ■ ■ ■
Staircase lighting function with/without manual OFF ■ Retriggerable ■ Not retriggerable ■ Time addable ■ Prewarn	■ ■ ■ ■ ■	■ ■ ■ ■ ■			■ ■ ■ ■ ■
Scenes (1 byte)					8
Central function	■	■			■
Operating hours	■	—			—
Firmware update (USB/TP)	■ / ■	■ / —			— / —

*4 switchable speed sets with 6 values. This corresponds to 24 storable dimming speeds for:
Switch on, switch off staircase timer, dim, values, scenes, higher priority functions.

Dimming Actuators Overview

	SpaceLogic KNX, Secure, Dimmer Master	SpaceLogic KNX Universal Dimming Master		SpaceLogic KNX Universal Dimming Extension	SpaceLogic KNX Universal dimming actuator LL REG-K/4x230/250 W
Article number	**MTN6710-0102S**	**MTN6710-0102**		**MTN6810-0102**	**MTN6710-0004**
Firmware version visible in ETS application	■	—		The software functions are provided by the master device	—
Higher priority function	■ Disable function ■ Logic operation or priority function	■ Disable function ■ Logic operation or priority function			■ Disable function ■ Logic operation or priority function
Logic operation ■ AND, OR ■ Switch object has an inverted impact to the logic operation		■ ■			■ ■
Disable function ■ Behaviour of locking after bus voltage recovery ■ Behavior at the start/end of the locking		■ ■			■ ■
Behaviour of ■ main voltage recovery ■ bus voltage recovery ■ download ■ bus voltage failure		■ ■ ■ —			■ ■ ■ —
Status messages ■ Switch ■ Brightness value ■ Error		■ ■ ■			■ ■ ■

Flush-Mounted

SpaceLogic KNX Flush Mounted Universal Dimming Acutator 1g with 3 binary inputs

Version	Art. no.
	MTN6003-0013

1-gang universal dimming actuator with three inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.
The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.
KNX Secure compatible
KNX software functions: Dimming actuator function:
Switching and dimming lamps. Switch on and dimming behaviour can be adjusted. Feedback of the switching state and the brightness value. “Soft ON”, “Soft OFF” and time dimmer. Dimming or jumping to brightness values. Time-delayed switch off when a switch off brightness is not reached. Short circuit and load failure signal. 64 Scene function. Blocked operation via an object with parameterisable brightness value at the beginning and the end of blocking. Behaviour of the dimming actuator after bus voltage recovery.
Input function:
Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature,
Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).
Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.
Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.
Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.
Logic module:
Logic operation, Converter, Blocking element, Comparator, Limit value

Nominal voltage: AC 230 V, 50/60 Hz

Connected load at 25 °C
Incandescent/Halogen lamps: AC 230 V, 20 to 230 W
LV halogen lamps: 20 to 210 VA, wounded transformer / 20 to 210 W, electronic transformer
LED leading edge phase control: AC 230 V, 20 to 210 W/VA
LED trailing edge phase control: AC 230 V, 20 to 230 W

Connected load at 45 °C
Incandescent/Halogen lamps: AC 230 V, 20 to 210 W
LV halogen lamps: 20 to 160 VA, wound transformer / 20 to 160 W, electronic transformer
LED leading edge phase control: AC 230 V, 20 to 160 W/VA
LED trailing edge phase control: AC 230 V, 20 to 210 W

Inputs: 3
Dimensions: 48x50x28 (WxHxD)
Note: For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

DIN Rail

SpaceLogic KNX, Secure, Dimmer Master

Version	Art. no.	
white	**MTN6710-0102S**	**New**

This device is KNX Secure certified.
Dimming actuator with 2 channels for switching and dimming **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.
(leading and trailing-edge phases)

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master’s channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX Secure compatible: The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), operating hours, status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Switch/Blind actuator functions: same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

Supply voltage: KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W
Dimmer Outputs
Channels: 2 (different phases possible)
Nominal voltage: AC 110 - 240 V, 50/60 Hz
Nominal power:
220-240 V: Incandescent, HV, electronic/wounded transformators: 2x 350 W/VA
220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A
220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A
110-127 V: Incandescent, HV, electronic/wounded transformators: 2x 200 W/VA
110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A
110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal

SpaceLogic KNX Universal Dimming Master

Version	Art. no.	
white	**MTN6710-0102**	**Discontinued**

Dimming actuator with 2 channels for switching and dimming **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.
(leading and trailing-edge phases)

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

General KNX software functions: Energy saving, device safety, device health, manual operation, PIN code for firmware update.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Switch/Blind actuator functions: same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

Supply voltage: KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W
Dimmer Outputs
Channels: 2 (different phases possible)
Nominal voltage: AC 110 - 240 V, 50/60 Hz
Nominal power:
220-240 V: Incandescent, HV, electronic/wounded transformators: 2x 350 W/VA
220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A
220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A
110-127 V: Incandescent, HV, electronic/wounded transformators: 2x 200 W/VA
110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A
110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A
Device width: 4 modules = approx. 72 mm
Accessories: SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.
Contents: With bus connecting terminal

SpaceLogic KNX Universal Dimming Extension

Version	Art. no.
white	**MTN6810-0102**

The SpaceLogic KNX Universal Dimming Extension is a dimming actuator that extends the channels of a SpaceLogic KNX Universal Dimming Master.

For independent control of up to 2 dimmable loads such as **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.
(leading and trailing-edge phases)

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and and communication to the KNX bus. Channel status is displayed via LEDs on the Master's keypad.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All outputs can be operated manually using push-buttons of the Master (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

A green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually. For installation on DIN rails TH35 according to EN 60715. The connction to the Master or another Extension is made either with a Module Link or with a Cable Link.

Dimmer actuator functions: Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

Supply voltage: via link interface

Dimmer type: 3-wire, RC mode, RL mode, RL LED mode

Power dissipation: < 6 W
Dimmer Outputs
Channels: 2 (different phases possible)
Nominal voltage: AC 110 - 240 V, 50/60 Hz
Nominal power:
220-240 V: Incandescent, HV, electronic/wounded transformators: 2x 350 W/VA
220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A
220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A
110-127 V: Incandescent, HV, electronic/wounded transformators: 2x 200 W/VA
110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A
110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A
Device width: 4 modules = approx. 72 mm
To be completed with: SpaceLogic KNX Universal Dimming Master MTN6710-0102
Accessories: SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002
Contents: With Module Link.

SpaceLogic KNX Cable Link S

Version	Art. no.
30 cm	**MTN6941-0001**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 30 cm

SpaceLogic KNX Cable Link L

Version	Art. no.
150 cm	**MTN6941-0002**

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail.
Length: 150 cm

SpaceLogic KNX Module Link

Version	Art. no.
	MTN6940-0000

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.

Dimming Actuators
DIN Rail

SpaceLogic KNX universal dimming actuator LL REG-K/4x230/250 W

Version	Art. no.
light grey	**MTN6710-0004**

LED/ESL/CFL dimmer
For switching and dimming **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.
(leading and trailing-edge phases)
With integral bus coupler, screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start.
Different phases can be connected.
The dimmer actuator automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Dimming operation by KNX, dimming and emergency operation by manual switch, enable/block manual mode by bus, automatic dimming operating mode or leading edge phase for certain LED/ESL/CFL lamps, load separation possible in OFF state, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, memory function, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, time accumulating, warning function), scenes (up to 8 internally stored brightness values can be retrieved), central function, logic operations (AND/OR) or priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on mains voltage recovery/bus voltage recovery/download.
Nominal voltage: AC 110 - 130 V / AC 220 - 230 V, 50/60 Hz
Channels: 4 (different phases possible)
Nominal power: 4 x 250 W/VA (230 V), 4 x 125 W/VA (110 V)
3 channels: 1 x 350 W/VA and 2 x 250 W/VA (230 V), 1 x 175 W/VA and 2 x 125 W/VA (110 V)
2 channels: 2 x 350 W/VA (230 V), 2 x 175 W/VA (110 V)
Minimum load/channel: 4 W (ohmic)
4 W (ohmic-capacitive)
25 VA (ohmic-inductive)
Device width: 8 modules = approx. 144 mm
Note: Information about the "**Dimming LED lamps**" can be obtained on the Internet at "Schneider-Electric dimmer test". http://schneider-electric.dimmer-test.com
Contents: With bus connecting terminal and cable cover.

Control Units 1-10 V

SpaceLogic KNX Control unit 0-10 V REG-K/1-gang with manual mode

Version	Art. no.
light grey	**MTN647091**

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). Each individual 230 V switch output can be operated manually with a manual switch.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.
Switch contact: for switching the electronic ballasts/transformers
Nominal voltage: AC 100-240 V ±10%
Operating voltage: min. AC 90 V - max. AC 265 V
Mains frequency: 50-60 Hz ±10%
Nominal current: 16 A, inductive load cosφ = 0.6
Nominal load
Incandescent lamps: AC 100 V, max. 1600 W
AC 230 V, max. 3600 W
AC 240 V, max. 3840 W
Halogen lamps: AC 100 V, max. 1086 W
AC 230 V, max. 2500 W
AC 240 V, max. 2608 W
Fluorescent lamps: AC 100 V, max. 1086 VA
AC 230 V, max. 2500 VA
AC 240 V, max. 2608 VA
parallel-compensated
Capacitive load: AC 100 V, max. 1600 W, 200 µF
AC 230 V, max. 3600 W, 200 µF
AC 240 V, max. 3840 W, 200 µF
0-10 V interface: 0.12-100 mA
Voltage range: DC 0-10 V
Device width: 2.5 HP = approx. 45 mm
Contents: With bus connecting terminal and cable cover.

Dimming Actuators
Control Units 1-10 V

SpaceLogic KNX Control unit 0-10 V REG-K/3-gang with manual mode

Version	Art. no.
light grey	**MTN646991**

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). Each individual 230 V switch output can be operated manually with a manual switch.
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.
Switch contact: for switching the electronic ballasts/transformers
Nominal voltage: AC 230 V, 50-60 Hz
Nominal current: 16 A, cosφ = 0.6
Switching capacity: AC 230 V, 3600 W, cosφ = 1
Capacitive load: AC 230 V, 16 A, 200 µF
Incandescent lamps: AC 230 V, max. 3600 W
Halogen lamps: AC 230 V, max. 2500 W
Fluorescent lamps:
AC 230 V, max. 3600 VA, uncompensated
AC 230 V, max. 2500 VA, with parallel compensation
LV- halogen lamps with wound transformer: max. 2000 VA
0-10 V interface: 0.12-100 mA
Voltage range: DC 0-10 V
Device width: 4 HP = ca. 72 mm
Contents: With bus connecting terminal and cable cover.

Design-Independent

KNX Secure 4" Touch Unit

Version	Art. no.	
glass	**MTN6215-0410S**	**New**

The KNX Secure 4” Touch Unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications. The device supports KNX Secure.

The slim design of the product fits perfectly into the modern concept of today’s smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
KNX: KNX Secure
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm

Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.

SpaceLogic KNX 4" Touch Unit

Version	Art. no.
glass	**MTN6215-0410**

The 4” Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today’s smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

User Interface functions:
- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

Main functions
- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

HVAC controller functions:
- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

Power supply from KNX: DC 21-30 V approx. 24 V/3 mA
Auxiliary Power supply: DC 21-30 V approx. 24 V/85 mA
Screen: 10 cm (3.95") LCD, 480 x 480 pixels
Measuring accuracy: ±1 °C at 25 °C
IP protection rating: IP 20
Dimensions WxHxD: 86 x 86 x 32 mm
Accessories: Dismantling protection MTN6270-0000
Note: Programmable with ETS5 and higher.
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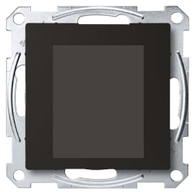
System M



KNX Multitouch Pro

Version	Art. no.	
	MTN6215-0310	**Discontinued**

For System M.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit
with touch display MTN5775-0003
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

Push-button 2-gang plus with room temperature control unit

Version		Art. no.
☐	polar white, glossy	**MTN6212-0319**
☐	active white, glossy	**MTN6212-0325**
■	anthracite	**MTN6212-0414**
■	aluminium	**MTN6212-0460**

For System M.
Convenient control unit with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
With room temperature control unit and display.
With 5 red LEDs.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

Push-button 4-gang plus with room temperature control unit

Version	Art. no.
☐ polar white, glossy	**MTN6214-0319**
■ anthracite	**MTN6214-0414**
■ aluminium	**MTN6214-0460**

For System M.
Convenient control unit with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.
With room temperature control unit and display.
With integrated piezoelectric buzzer to display alarm states and IR receiver. All functions of the respective buttons can be controlled via IR remote control.
With 9 red LEDs.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.
The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.
With integrated bus coupler. The bus is connected using a bus connecting terminal.

KNX software functions:
Functions of the push-buttons:
Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

Functions of the room temperature control unit:
Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function

Operation: Menu

Transmitter: IR universal remote control MTN5761-0000
To be completed with: M-Smart frame, 2-gang without central bridge piece MTN4788.., M-Arc frame, 2-gang without central bridge piece MTN4858.., M-Star frame, 2-gang without central bridge piece MTN4668.., MTN4768.., MTN4868.., M-Plan frames, 2-gang without central bridge piece MTN4888.., MTN5158.., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038.., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..
Contents: With bus connecting terminal and supporting plate.
Screw for protection against dismantling.
With protective hood for plaster.

Room Temperature Control Units
System M

Room temperature control unit for properties

Version	Art. no.
☐ polar white, glossy	**MTN6221-0319**
☐ active white, glossy	**MTN6221-0325**
■ anthracite	**MTN6221-0414**

For System M.
KNX room temperature control unit for properties with integrated bus coupler. Depending on the operating mode, the current temperature setpoint value and the actual room temperature, a control value for the heating or cooling control unit is transmitted to the KNX. The temperature can optionally be measured by the internal or by an external bus temperature sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. Operating mode, nominal value, control function settings made only via the bus The device does not have any operating and display elements.
With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

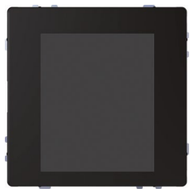
Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Operation: only via bus telegrams.
Contents: With bus connecting terminal and supporting plate.
With protective hood for plaster.

System D



KNX Multitouch Pro

Version	Art. no.	
	MTN6215-5910	**Discontinued**

For System D.
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.
With room temperature control unit, display and connection for the remote sensor.
The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.
ETS device functions:
- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.
KNX software functions:
Control unit/push-button:
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment
Functions of the room temperature control unit:
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)
Output: continuous in the range 0 to 100% or switching ON/OFF
Controller mode:
- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.
Signal function for the actual temperature, valve protection function.
Scene function.
Operation: Touch display
Accessories: Dismantling protection MTN6270-0000
Remote sensor for universal room temperature control unit with touch display MTN5775-0003
Fixing frame for 3-module box MTN6270-0015
D-Life frame, 1-gang, for 3-module box MTN6010-65xx
Note: Programmable with ETS4 and higher.
Contents: With bus connecting terminal and supporting plate.

Controller, Fan Coil, Valves

SpaceLogic KNX Valve Drive Controller

Version	Art. no.
white	**MTN6730-0002**

For actuation of electrothermal valve drives for heating or cooling ceilings. The valve drive controller has 6 electronic outputs. Up to 4 valve drives (230 V AC) or 2 valve drives (24 V AC) can be connected to each output. Both de-energized closed and de-energized opened valve drives can be connected.

In addition, the valve drive controller contains 6 integrated room temperature controllers (RTC) which operate independently of each other. The correcting variable outputs of these RTCs can be linked internally with the valve outputs, so that temperature control and valve actuation can be performed by a single bus device only, if required. In this case, no external room temperature controller (e.g. push-button with RTC) is required.

As the valve outputs can be controlled individually, an external RTC can also be used at any time.

The integrated room temperature controllers can send the correcting variable telegram to the bus and thus control other heating actuators or fan coil actuators.

The outputs are either switch activated (1 bit) or PWM signal (1 byte) activated. Each output is overload-protected and short-circuit-protected.

All outputs can be operated manually using push-button operation. Building site operation is possible.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions - valve: valve activation (deenergised opened / closed) can be configured for each output, actuator evaluation as “Switching, 1-bit”, “Constant, 1-byte” or “Constant 1-byte with actuator limiting value and hysteresis”, status feedback, collective feedback of all valve states via 4-byte telegram, combined valve status via 1 byte, failure signal of the valve operating voltage can be configured, overload and short-circuit signal for each valve output, automatic valve rinsing, summer/winter switch-over for valve outputs, valve command value limit, forced position configurable, activation of service mode with defined valve position

KNX software functions - RTC: operating modes “Heating”, “Cooling”, “Heating and Cooling” each with or without additional level, configuration of the temperature setpoints as relative (derived from basic setpoint) or absolute (independent setpoint temperatures for each operating mode), PI control, PWM or switching 2-point feedback control, automatic or object-oriented switch-over between “Heating” and “Cooling”, temporary or permanent setpoint shift through communication objects possible (e.g. via a controller extension), configurable step width of the setpoint shift (0.1 K / 0.5 K), calibration of the temperature values possible and measured value formation of the external sensors can be configured, separate or shared command value output in heating and cooling mode, floor temperature limit in heating mode, setpoint temperature limit in cooling mode, operating hours counter to record the switch-on times of the valve outputs

Nominal voltage: AC 110-230 V, 50/60 Hz
Outputs: 6, electronic AC 24 V / 230 V
Switching current: 5 ... 160 mA
Switch-on current AC 230 V: max. 1.5 A (2 s)
Switch-on current AC 24 V: max. 0.3 A (2 min)
Number of valve drives: max. 4 per output (230 V drives)
max. 2 per output (24 V drives)
Power consumption KNX: max. 250 mW
Device width: 4 modules = approx. 72 mm
Accessories: Thermoelectric valve drive 230 V MTN639125
Thermoelectric valve drive 24 V MTN639126
Contents: With bus connecting terminal and cable cover.

SpaceLogic KNX Fan Coil 0-10 V Controller

Version	Art. no.
white	**MTN6730-0003**

For heating, ventilation and air conditioning control. For controlling fan coils with up to three fan stages, optionally also with 0-10 V fan control, as well as for the control of proportional 0-10 V valves. The controller supports 2-pipe and 4-pipe systems.

The controller can measure and control the room temperature itself or receives the value from the Push-Button plus with TCU and behaves like an actuator.
One floating contact for window contacts or temperature sensor and one for condensate monitoring (e.g.).
Auxiliary relay for electric heating or cooling registers
Manual operation on the controller (fan speeds, switching between heating and cooling)
Adjustment of setpoint for cooling depending on outdoor temperature
Floating contact optionally for cooling or heating coil
With emergency program

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

KNX software functions: Fan control:
Standard fan coil or fan coil with 0-10 V is supported. In automatic mode, the fan speeds are controlled dependently by the control value of the push-button plus with TCU. The three fan speeds and automatic mode can be switched via telegram. The fan can be controlled either directly or via actuators / suitable dimming actuators. Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of a push-button.

Valve control:
Type of controller: P / PI controller
Controller mode: Heating and/or cooling with common or separate valve outputs.
Operating modes: Operating modes can be selected by object

Power supply: AC 100-240 V, 50-60 Hz
Power consumption: max. 1.7 W, stand-by <0.5 W
Minimum load additional/fan relay: 12 V, 100 mA

Outputs:
Additional relay switching capacity: 16 A
Fan relay switching capacity: 6 A
Fan and valves: 0-10 V, max. 10 mA

Inputs: 2, max. cable length 5 m
Operation: Key for fan levels and heating/cooling mode
Displays: 9 status LEDs
Device width: 4 modules = approx. 72 mm
Accessories:
Push-button 2-gang plus with room temperature control unit System M MTN6212-03.. /-04..,
Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..,
KNX Multitouch Pro System M MTN6215-03.., System D MTN6215-59.., System D MTN6216-5910

Room Temperature Control Units
Controller, Fan Coil, Valves

SpaceLogic KNX Fan coil actuator REG-K

Version	Art. no.
light grey	**MTN645094**

For heating, ventilation and air conditioning control. For controlling fan convectors with up to three speeds, as well as for controlling three-step motor drives (continuous/pulse-width-modulated) or two-step thermal drives. The actuator supports 2-pipe and 4-pipe systems.
Two floating binary inputs for window contact and level contact for condensed water container, for example. Connection of 1-speed to 3-speed fans. The push-button plus with room temperature control can be used to activate the fan coil actuator.
With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.
KNX software functions: Fan control:
In automatic mode, the fan speeds are controlled dependently by the control value of the push-button plus. The three fan speeds and automatic mode can be switched via EIB telegram. The fan can be controlled either directly or via actuators / suitable dimming actuators. Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of the push-button. The fan speed as well as the automatic status “(Auto)” can be displayed on the display of the push-button plus with TCU.
Valve control:
Type of controller: PI controller (PWM and continuous).
Controller mode: Heating and/or cooling with common or separate valve outputs.
Operating modes: The operating mode is selected in the push-button plus with TCU.
Power supply: AC 230 V ±10 %, 50/60 Hz
Power consumption: max. 3 VA
Outputs: 3 floating contacts (fan coil), 2 semi-conductor switches (valve connections)
Switching capacity for valves: 0.5 A, AC 24V - 230 V
Additional relay switching capacity: 16 A
Fan relay switching capacity: 8 A
Inputs: 2, max. cable length 5 m
Operation: Key for fan levels and heating/cooling mode
Displays: 9 status LEDs
Device width: 4 modules = approx. 72 mm
Accessories: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126, Push-button 2-gang plus with room temperature control unit System M MTN6212-03.. /-04.., Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..

KNX valve drive with status LED and 2 inputs

Version	Art. no.
	MTN6921-0001

EMO valve drive for heating valves. The device has 2 inputs for window contacts or presence detectors for instance.
Valve lift display via red LEDs. With automatic valve lift detection. The valve drive can be connected directly to the KNX. A separate power supply is not required. With integrated bus coupler.
Power consumption: max. 10 mA
Lift: max. 7,5 mm
Positioning force: 120 N
Type of protection: IP 21
Protection class: III as per EN 60730
Installation: Snaps onto the valve adapter
Dimensions: (H x Wx D) 82 x 50 x 65 mm
Contents: With 2 valve adapters (VA10/VA78).
Note: New Version (B) is available in Halogen and PVC free cable and housing.

Thermoelectric valve drive 230 V

Version	Art. no.
polar white	**MTN639125**

Thermoelectric valve drive for opening and closing valves. For 2-step or PWM control of heating, air conditioning and ventilation systems, individual room control of surface heaters, control of heating circuit distributors, radiators, convector heaters, cooling ceilings. Operation is carried out by the heating actuator REG-K/6x24/230/0.16A, fan coil actuator REG-K or a room temperature control unit (230 V) with 2-step or PWM output.
Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors.

- First-open function: The drive is factory-set to de-energised open. This allows the heating to be operated during the building shell phase.
- De-energised closed
- Functional display (open, closed, intermediate settings)
- Adjustment control
- Plug-in connecting cable
- Plug-in assembly

Supply voltage: AC 230 V, 50/60 Hz
Starting current: max. 350 mA for max. 100 ms
Power consumption: 1 W
Lift: approx. 4 mm
Running time: 3.5 min for 4 mm
Positioning force: 100 N ± 5 %
Circulating medium temperature: 0-100°C
Type of protection: IP 54 / II, in all installation positions
Connecting cable: 1 m, 2x0.75 mm² pluggable
Dimensions: 59.2x44.3x56 mm (HxWxD)
To be completed with: Room temperature control insert with switch MTN536302/04
In KNX, to be completed with: SpaceLogic KNX Fan coil actuator REG-K MTN645094
Accessories: Valve adapter VA50 for thermoelectric valve drive MTN639150
Valve adapter VA78 for thermoelectric valve drive MTN639178
Valve adapter VA80 for thermoelectric valve drive MTN639180

Room Temperature Control Units
Controller, Fan Coil, Valves

Thermoelectric valve drive 24 V

Version	Art. no.
polar white	**MTN639126**

Thermoelectric valve drive for opening and closing valves. For 2-step or PWM control of heating, air conditioning and ventilation systems, individual room control of surface heaters, control of heating circuit distributors, radiators, convector heaters, cooling ceilings. Operation is carried out by the heating actuator REG-K/6x24/230/0.16A, fan coil controller REG-K or a room temperature control unit (24 V) with 2-step or PWM output.
Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors.

- First-open function: The drive is factory-set to de-energised open. This allows the heating to be operated during the building shell phase.
- De-energised closed
- Functional display (open, closed, intermediate settings)
- Adjustment control
- Plug-in connecting cable
- Plug-in assembly

Supply voltage: AC/DC 24 V +20%/-10%, 0-60 Hz
Starting current: < 300 mA for max. 2 min
Power consumption: 1 W
Lift: approx. 4 mm
Running time: 3.5 min for 4 mm
Positioning force: 100 N ± 5%
Medium temperature: 0-100°C
Type of protection/protection class: IP 54 / II, in all installation positions
Connecting cable: 1 m, 2x0.75 mm² pluggable
Dimensions: 59.2 x 44.3 x 56 mm (HxWxD)
To be completed with: Room temperature control insert with switch MTN536302/04
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529
In KNX, to be completed with: SpaceLogic KNX Fan coil actuator REG-K MTN645094
Accessories: Valve adapter VA50 for thermoelectric valve drive MTN639150
Valve adapter VA78 for thermoelectric valve drive MTN639178
Valve adapter VA80 for thermoelectric valve drive MTN639180

Valve adapter VA50 for thermoelectric valve drive

Version	Art. no.
	MTN639150

For Honeywell+Braukmann, Reich, Landis+Gyr, MNG, Cazzagniga. Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors
To be completed with: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

Valve adapter VA78 for thermoelectric valve drive

Version	Art. no.
	MTN639178

For Danfoss RA.
Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors
To be completed with: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

Valve adapter VA80 for thermoelectric valve drive

Version	Art. no.
	MTN639180

For Heimeier, Herb, Onda, Schlösser (from 1993), Oventrop M30x1.5, TeSa.
Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors
To be completed with: Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

Power Supplies

SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A

Version	Art. no.
light grey	**MTN693003**

Power supply for 24 V binary inputs.
For installation onto DIN rails EN 50022.
With integrated overload and short-circuit protection.
For installation on DIN rails TH35 according to EN 60715.
Primary supply: AC 230 V, 48-63 Hz
Output voltage: DC 24 V +/- 3 %
Output current: max. 0.4 A
Output power: max. 10 W
Device width: 1 module = approx. 18 mm
For supplying power to: Binary input REG-K/4x24 MTN644892, Binary input REG-K/8x24 MTN644792

SpaceLogic KNX Power supply REG, AC 24 V/1 A

Version	Art. no.
light grey	**MTN663529**

Power supply for 24 V binary inputs, weather station REG-K/4-gang, analogue input module REG-K/4-gang, rain sensor, wind sensor with 0 - 10 V interface and heating, KNX/IP router REG-K.
With fuse.
For installation on DIN rails TH35 according to EN 60715.
Primary supply: AC 230 V, +/- 10 %, 50-60 Hz
Output voltage: AC 24 V
Output current: max. 1 A
Fuse: 5x20 mm, 250 V, T 160 mA
Device width: 5 modules = approx. 90 mm
For supplying power to: Binary input REG-K/8x24 MTN644792, Wind sensor with 0-10 V interface and heating MTN663592, Thermoelectric valve drive 24 V MTN639126
Contents: With spare fuse.

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