Multi-load 1000 W Dimmer Actuator

F416U1

Description

This item controls resistive loads, ferromagnetic transformers and electronic transformers. After connecting the dimmer directly to the BUS and the load, the brightness can be adjusted from any correctly configured control point. A short pressure of the control key will switch the load ON or OFF, while an extended pressure can be used to adjust the brightness level. The The actuator can signal any load faults such as a faulty lamp.
The device may be installed in a MY HOME system and can be configured both physically and virtually, or as a component of the Lighting Management system using specific configuration procedures (Plug&Go, Push&Learn, Project&Download)

WARNING: it is not possible to connect devices with electronic transformer and devices with ferromagnetic transformer on the same line

Technical data

Power supply:	100 -240 Vac @ 50/60 Hz
Number of outputs:	1 x 4.3 A
Operation:	dimmer
Operating temperature:	(-5) – (+45) °C
Type of connection:	– RJ45
	– clamp input 2 x 2.5 mm^2
	– clamp output 2 x 1.5 mm^2 and 1 x 2.5 mm^2
Protection index:	IP20
Cable section:	2.5 mm^2

Power/Absorption of driven loads:

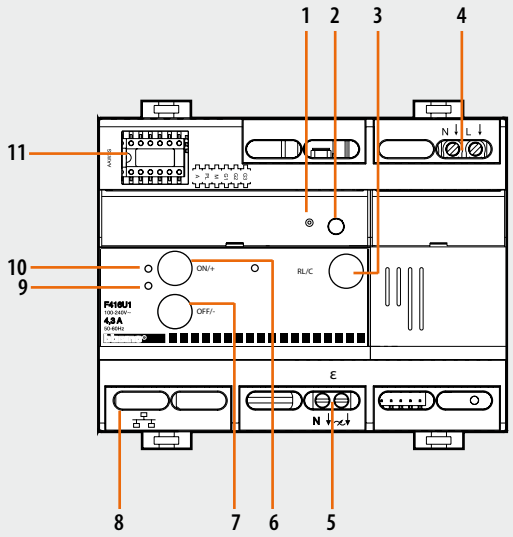
	Incandescent and halogen lamps		Electronic transformer		Ferromagnetic transformers	
230 Vac	40 – 1000 W	4.3 A	40 – 1000 W	4.3 A	40 – 1000 VA	4.3 A

Standards, Certifications, Marks

Standards: IEC60669 - 2 - 1

Dimensional data

Size: 6 DIN modules



Legend

1. Learn Mode status indication LED:
   – Green flashing in forced inductive mode
   – Orange flashing in forced capacitive mode
   – Orange steady in automatic capacitive mode
   – Green steady in automatic inductive mode
2. Learn Mode pushbutton
3. Load manual forcing pushbutton
4. Clamps for the connection to the 230 Vac power supply
5. Load connection clamps
6. ON pushbutton for the control/adjustment of the load
7. OFF pushbutton for the control/adjustment of the load
8. BUS RJ45 connector
9. Load type indication:
   Green: inductive
   Orange: capacitive
10. Orange LED ON: load fault
    Green LED ON: load active (from 1 % to 100 %)
11. Configurator socket
    (attention, it must only be used in MY HOME systems with physical configuration)

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MY HOME Configuration

When installed in a MY HOME system, the device may be configured in two ways:
- PHYSICAL CONFIGURATION, by connecting the physical configurators to their sockets.
- VIRTUAL CONFIGURATION, by connecting the system to the PC using the Kit or the web server. The Virtual configurator software must be installed on the PC.

Physical configuration

The actuator performs all the basic operating modes that can be configured directly on the control. Moreover further operating modes with the configurator in position M of the same actuator are listed in the table below.

Possible function	Configurator in M
Actuator as Slave. Receives a control sent by a Master actuator with the same address	PUL
Pushbutton (ON monostable) ignores Room and General controls	PUL
Master Actuator with OFF control delayed on the corresponding Slave actuator. Only for point-point control. With the OFF control the Master actuator deactivates; the Slave actuator deactivates after the time set with the configurators has elapsed[1]	1 – 4 [1)]

1) The ON control activates the Master actuator and the Slave actuator at the same time. The next OFF control deactivates the Master actuator and keeps the Slave actuator active for the period of time set with configurator 1 - 4 connected to M of the Master actuator as indicated in the table.

Configurator	Time (minutes)
1	1
2	2
3	3
4	4

Virtual configuration

Using the Virtual configurator software it is possible to perform all the functions listed below:
- dimmer

Lighting Management configuration

When installed in a Lighting Management system, the device can be configured in the following ways:
- Plug&Go
- Push&Learn
- Project&Download,

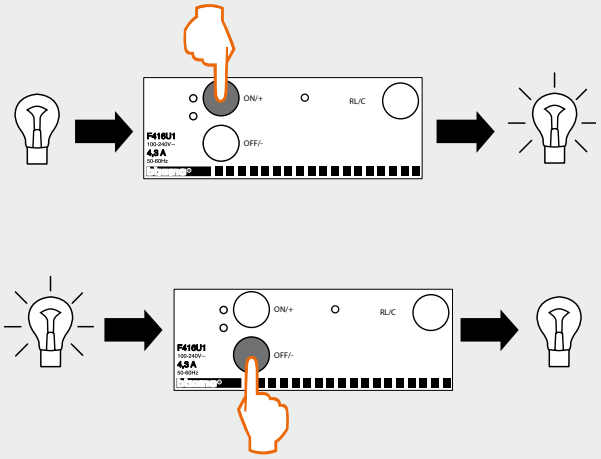
Using the Virtual Configurator software it is possible to perform all the functions listed below:
- dimmer

For more information on the functions see the glossary before the Technical sheets chapter.

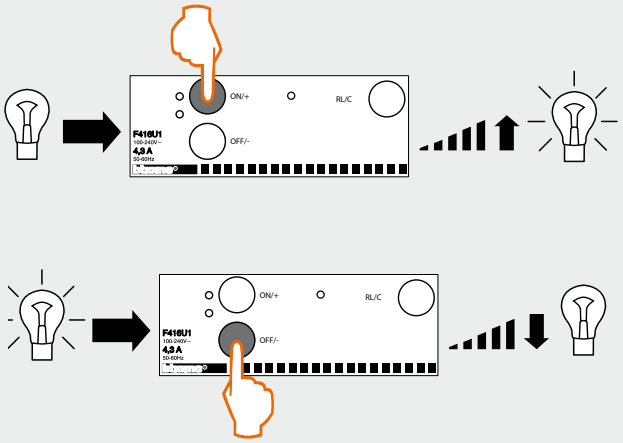
Operating mode

When in Test mode, by pressing the pushbutton of the actuator it will be possible to enable or disable the associated load.

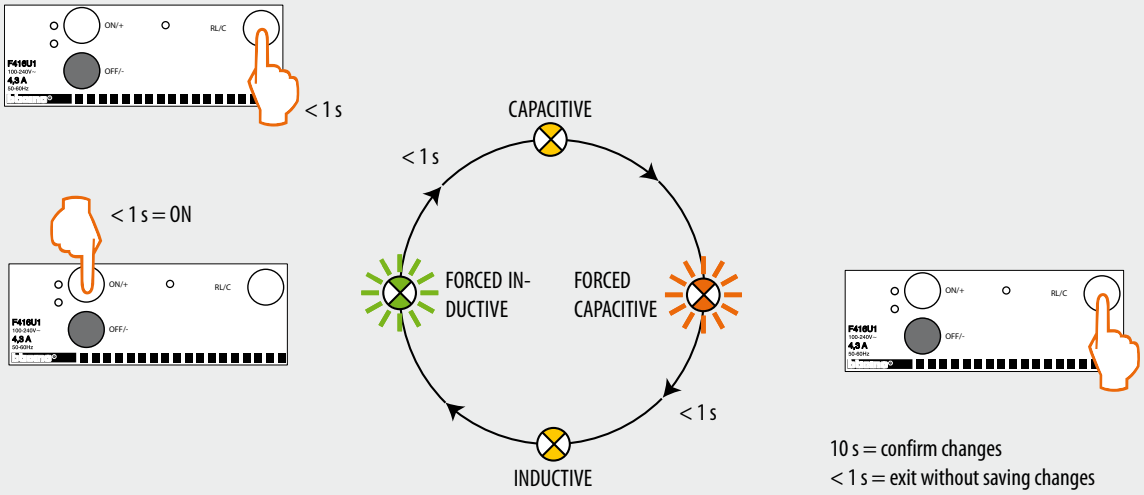
ON/OFF



DIMMER FUNCTION



Manual forcing of the type of load



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Wiring diagram