SCS/DALI gateway

F429

Description

The device is an interface between MyHOME/Lighting Management systems and devices driven using the DALI (Digital Addressable Lighting Interface) protocol. It has 8 independent outputs to which up to 16 DALI devices can be connected for each output. Three pushbuttons with notification LEDs set the operating mode. Key P1 sets up the device for the virtual configuration, key P2 is used to select one of the 8 outputs which connect with the DALI devices and key P3 is used to switch the output which has been selected with key P2 ON, OFF and to dim it. On pressing key P3 quickly one can switch the load ON or switch it OFF cyclically,
while pressing it for a long time adjusts the brightness.
The device can be installed in a MyHOME system and use the physical or virtual configuration, or as a component of the Lighting Management system and use the specific configuration types (Plug&go, Project&Download).

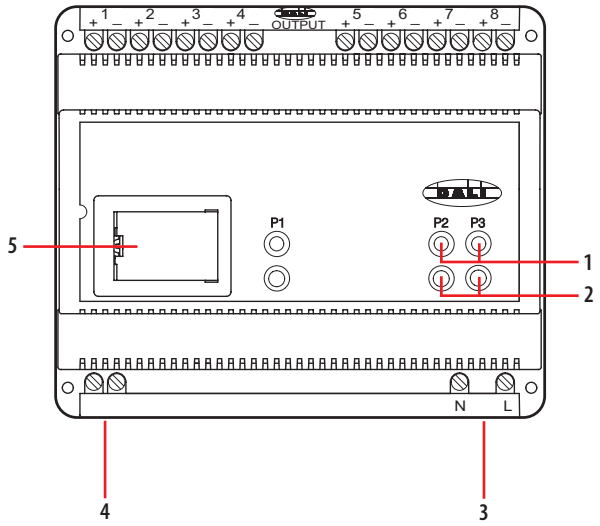
Technical data

Power supply:	110 – 240 Vac @ 50/60 Hz; 110 – 240 Vdc
Current draw:	5 mA
Operating temperature:	(-5) – (+45) °C
Dissipated power:	4 W
No. of DALI outputs:	8 x 16 ballast

Dimensions

Size: 6 DIN modules

Front view



Legend

1. Push-buttons
2. LED
3. Power supply
4. BUS
5. Configurator socket

Configuration

1. Lighting Management System

When installed in a Lighting Management system, the actuator can be configured in the following ways:
- PLUG&GO
- PROJECT&DOWNLOAD

2. MyHOME System

If the device is installed in a MyHOME system it can be configured in two ways:
- PHYSICAL CONFIGURATION, inserting the configurators in position.
- Configuration via MyHOME_Suite software package, downloadable from www.homesystems-legrandgroup.com; this mode has the advantage of offering many more options than the physical configuration.

For a list of the procedures and their meanings, please refer to the instructions in this sheet and to the "Function Descriptions" help section in the MyHOME_Suite software package.

Note: For this device, the MyHOME Server automatically configures 8 channels.

2.1 Addressing

Address type		Virtual configuration (MyHOME_Suite)	Physical configuration
Point-to-point	Room	0-10	A=1-9
	Lighting point	0-15	takes the PL number from the output number to which the load is connected
Group		Group 1 - Group 10 = 0-255	G1, G2, G3 = 0-9

Depending on the configurator connected to A, the outputs will take the following address:

		OUTPUT							
		1	2	3	4	5	6	7	8
A=	1	A=1 PL=1	A=1 PL=2	A=1 PL=3	A=1 PL=4	A=1 PL=5	A=1 PL=6	A=1 PL=7	A=1 PL=8
	2	A=2 PL=1	A=2 PL=2	A=2 PL=3	A=2 PL=4	A=2 PL=5	A=2 PL=6	A=2 PL=7	A=2 PL=8
	3	A=3 PL=1	A=3 PL=2	A=3 PL=3	A=3 PL=4	A=3 PL=5	A=3 PL=6	A=3 PL=7	A=3 PL=8
	4	A=4 PL=1	A=4 PL=2	A=4 PL=3	A=4 PL=4	A=4 PL=5	A=4 PL=6	A=4 PL=7	A=4 PL=8
	5	A=5 PL=1	A=5 PL=2	A=5 PL=3	A=5 PL=4	A=5 PL=5	A=5 PL=6	A=5 PL=7	A=5 PL=8
	6	A=6 PL=1	A=6 PL=2	A=6 PL=3	A=6 PL=4	A=6 PL=5	A=6 PL=6	A=6 PL=7	A=6 PL=8
	7	A=7 PL=1	A=7 PL=2	A=7 PL=3	A=7 PL=4	A=7 PL=5	A=7 PL=6	A=7 PL=7	A=7 PL=8
	8	A=8 PL=1	A=8 PL=2	A=8 PL=3	A=8 PL=4	A=8 PL=5	A=8 PL=6	A=8 PL=7	A=8 PL=8
	9	A=9 PL=1	A=9 PL=2	A=9 PL=3	A=9 PL=4	A=9 PL=5	A=9 PL=6	A=9 PL=7	A=9 PL=8

Note: The PL configurator is not required for the physical configuration, as the value is set by the output to which the DALI device is connected. All the outputs belong to the same group connected to G.

1.2 Mode

Virtual configuration (MyHOME_Suite)		Physical configuration	
Function	**Parameter / setting**		
Master Actuator	Master	M=0	
Actuator as Slave. Receives a control sent by a Master actuator with the same address	Slave	M=SLA	
Pushbutton (ON monostable) ignores Room and General controls	Master PUL	M=PUL	
OFF delay: Master actuator with OFF control delayed on the corresponding Slave actuator. [1)]	0 - 255	M=1	1 minute
		M=2	2 minutes
		M=3	3 minutes
		M=4	4 minutes

To use the "Actuator as a slave with PUL function", to change the "Minimum level" of the brightness (1 to 100) for additional options of the "Type of load" (Dali standard) use MyHOME_Suite virtual configuration.

NOTE 1): In the Master and Master PUL mode you can set an OFF delay of 0-255 seconds (via MyHOME_Suite) and of 1-4 minutes using the physical configuration. Only for a point-point type control. With the OFF control the Master actuator deactivates; the Slave actuator deactivates after the time set with the configurators has elapsed.
Typical function for use in bathrooms without windows where the ON control activates the light (Master actuator) and the ventilation fan (Slave actuator) at the same time. The OFF control switches the light off immediately and leaves the fan working for the time set with configurator 1 to 4 in M of the Master actuator as indicated in the table.

Wiring diagram