1 Relay actuator 10A

Description

Actuator at 1 channel for operating LED, compact fluorescent (CFL) and linear fluorescent lamps with electronic and ferromagnetic transformers.
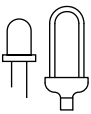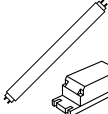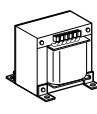Each channel is capable of switching up to a maximum of 10A.
The device incorporates the function Zero crossing for the proper management of energy-saving lamps. The device is configurable through MHSuite or through physical configurators; a summary of the main possible functions is provided below:
- Switching
- Operating mode selection (Master, Slave, Master PUL, Slave PUL)
- Local button operating mode selection (ON/OFF, cyclic, ON timed...)
- Load control mode manual selection (with zero crossing, without zero crossing)
- Contact status at power recovery configuration
- Slave device switch-off delay configuration (only in Master/Master PUL mode).
For additional details, see "Configuration". After connecting the device to BUS/SCS and to the load, you can monitor the loads from any properly configured system control device. Moreover, you can locally control the loads by using the buttons on the device: a short press activates or deactivates the load.

Technical data

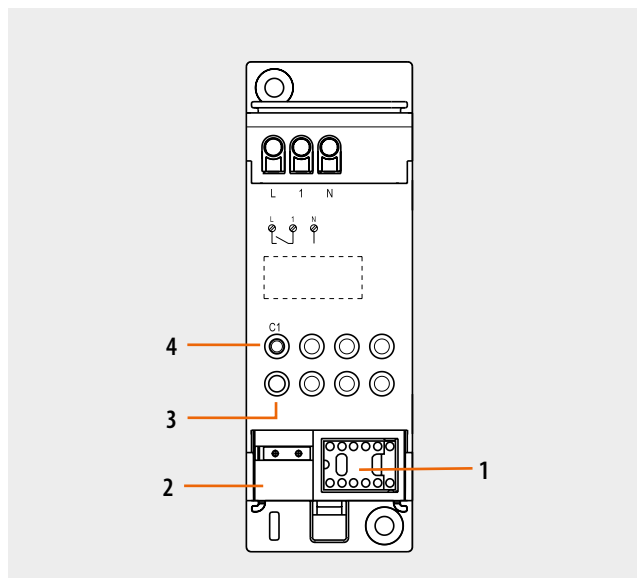|	
Power supply via SCS BUS:	27 Vdc
Operating power supply with BUS SCS:	18 – 27 Vdc
Input:	stand-by 5 mA
	Max 30 mA
Number of outputs:	1x10 A
Operating temperature:	(0) – (+40) °C

Driven loads power/absorption ensured for the configuration with zero crossing and neutral connected (otherwise relay bonding problems may occur):

	Incandescent lamps Halogen lamps		LED lamps Compact fluorescent lamps		Linear fluorescent lamps Electronic transformers		Ferromagnetic transformers	
250 Vac	2300 W	10 A	500 W	2 A	920 W	4 A	920 VA	4 A cosφ 0,5
110 Vac	1100 W	10 A	250 W	2 A	440 W	4 A	440 VA	4 A cos

Protection index:	IP20
Level of robustness:	IK04

Legend

1. Configurator housing (Note that this must only be used in My Home systems with physical configuration)
2. BUS connector
3. Load status LED
4. Load control pushbutton

Dimensions

Overall size:	2 DIN modules

Configuration

If the device is installed in a My Home system it can be configured in two ways:
- PHYSICAL CONFIGURATION, inserting the configurators in position. The position A|PL1 defines the device local address, while M defines the operating mode.
- Configuration via MYHOME_Suite software package, downloadable from the website 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.

1.1 Addressing

Address type		Virtual configuration (MYHOME_Suite)	Physical configuration
Point-to-point	Room	0-10	A=1-9
	Lighting point	0-15	PL=1-9
Group		Group 1 - Group 10 = 0-255	G1, G2 = 0-9

1.2 Mode

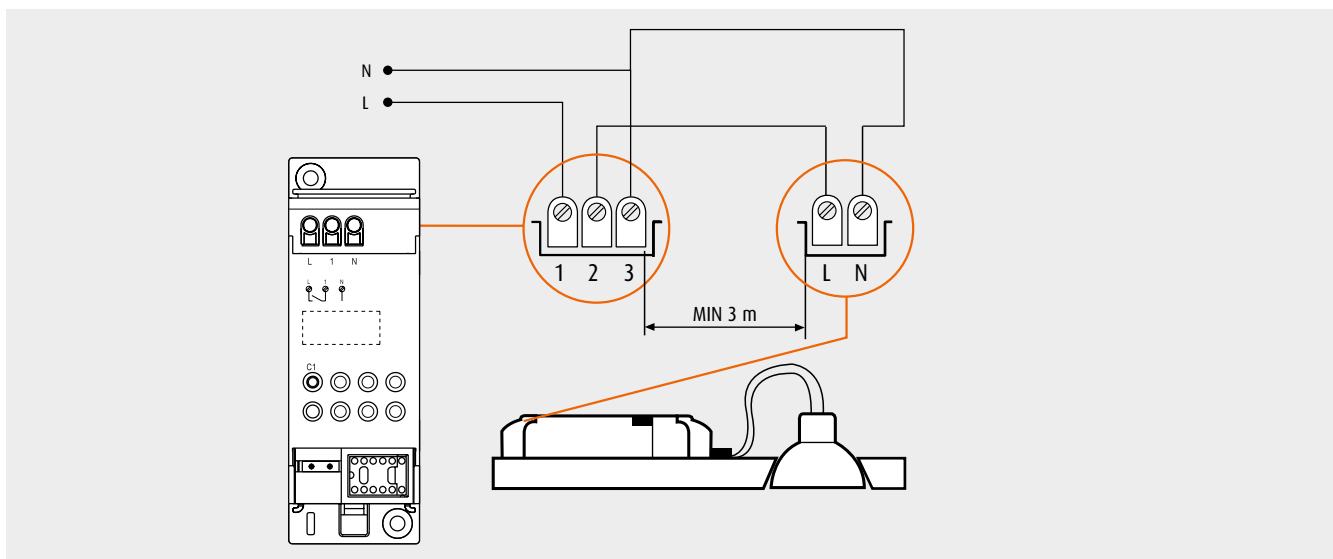| Virtual configuration (MYHOME_Suite)		Physical configuration	
Function	**Parameter / setting**		
Master Actuator	Master	M=0	
Actuator as Slave. Receives a control sent by a Master actuator which has the same address	Slave	M=SLA	
Button (On monostable) ignores Room and General controls	Master PUL	M=PUL	
Delay OFF: Master actuator with OFF control delayed on the corresponding Slave actuator. [1]	0 -255	No configurator	0 sec.
		M=1	1 minute
		M=2	2 minutes
		M=3	3 minutes
		M=4	4 minutes
Load control mode [2]		C=0	with zero crossing
		C=1	without zero crossing

NOTE 1): In the Master and Master PUL mode it is possible to set a 0-255 seconds OFF delay (through MYHOME_Suite) and 1-4 minutes delay through the physical configuration. Only for point-to-point control. With the OFF control the Master actuator is disabled, the Slave actuator is disabled after the time set with the configurators has elapsed.
A function commonly used in windowless bathrooms, where the ON control simultaneously switches on the light (Master actuator) and the ventilation fan (Slave actuator). The following OFF control immediately switches off the light and keeps the fan on for the period of time set by the configurator 1÷4 inserted in M of the Master actuator as shown in the table.

NOTE 2) For configurations C=0 (or virtual "Zero crossing"), the LED flashes if L and N are not connected. With C=1 and neutral not connected relay can be used simply as a clean contact

To use "Actuator as Slave with PUL function" and to select the load type (Actuator, Lamp, Valve, Differential reset, Fan, Irrigation, Controlled socket, Lock), use the MY-HOME_Suite virtual configuration.

Wiring diagram

Standards

Directive: Directive 2004/108/CE on electromagnetic compatibility
Installation standards: CEI 64-8
Product standards: IEC 60669-2-1; EN 50428