

Description

Actuator with 4 independent relays for single loads up to 16 A at 230 Vac, and installation inside DIN rail switchboards or distribution boards.

This device is fitted with local load control pushbuttons.

The device cannot manage the interlocking of the relays. This means that it cannot manage motors of rolling shutters, curtains, etc.

The actuator is a component in the Lighting Management system and can also be installed in a My Home system.

Standards, Certifications, Marks

Directive:

– Electromagnetic Compatibility Directive 2004/108/EC

Installation regulations:

– CEI 64-8

Product regulations:

– IEC 60669-2-1

– EN 50428

Environmental regulations:

– EU Directive 2002/96/EC: WEEE (Waste Electrical and Electronic Equipment)

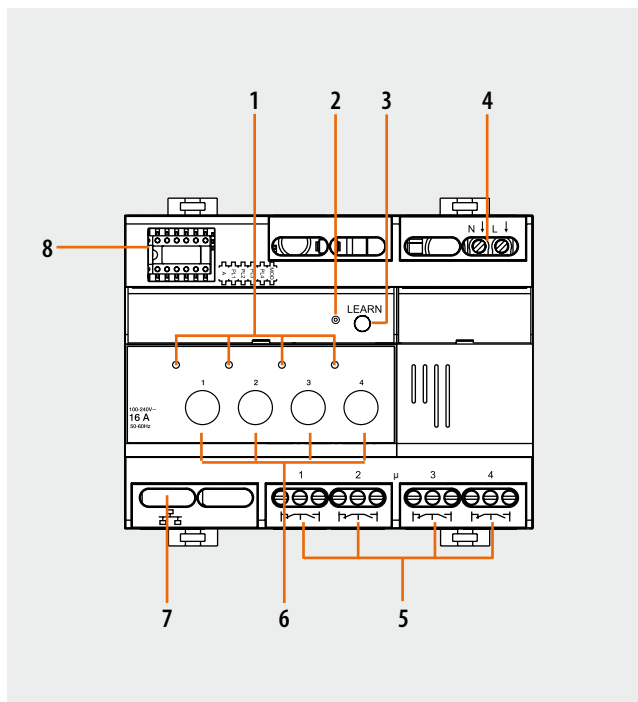
– EU Directive 2002/95/EC: RoHS (Restriction of Hazardous Substances)

Dimensions

Size: 6 DIN modules

Technical data

| | |
|---------------------------------|---|
| Power supply: | 110 -240 Vac @ 50/60 Hz |
| Number of outputs: | 4 x 16 A |
| Power consumption in operation: | 0.8 W |
| Power consumption on standby: | (-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 |
| Impact resistance: | IK04 |
| Cable section: | 2.5 mm ² |



Legend

1. L1, L2, L3, L4 load status indication LED.
2. Learn Mode status indication LED
3. Learn Mode pushbutton
4. Clamps for the connection to the 230 Vac power supply
5. L1, L2, L3, L4 load connection clamps.
6. L1, L2, L3, L4 load activation pushbutton.
7. BUS RJ45 connector
8. Configurator socket (note that this must only be used in My Home systems with the physical configuration)

Power/Consumption of driven loads:

| Halogen lamps | | Linear fluorescent lamps | | - Electronic transformers - Ferromagnetic transformers | | Compact fluorescent lamps | | LED lamps | |
|---------------|--------|--------------------------|-------|---|------|---------------------------|-----|------------|-------|
| | | | | | | | | | |
| 230 V~ | 3680 W | 10x(2x36 W) | 4,3 A | 3680 VA | 16 A | 1150 VA | 5 A | 1 x 500 VA | 2,1 A |
| 110 V~ | 1760 W | 5x(2x36 W) | | 1760 VA | | 550 VA | | 1 x 250 VA | |

Configuration**1. Lighting Management System**

When installed in a Lighting Management system, the device can be configured in the following ways:

- Push & Learn: procedure for pairing different connected devices or changing the assignments defined automatically in the Plug & Go procedure. For more details, please refer to the specific document.

- Software Configuration: using the Virtual Configurator software; for more details, please refer to the specific manual.

2. My Home system

If the device is installed in a My Home 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.

2.1 Addressing

| Address type | | Virtual configuration (MYHOME_Suite) | Physical configuration |
|----------------|----------------|--------------------------------------|--------------------------|
| Point-to-point | Room | 0-10 | A=1-9 |
| | Lighting point | 0-15 | PL1, PL2, PL3, PL4 = 1-9 |

To configure the "Groups" use MYHOME_Suite virtual configuration

2.2 Mode

| Function | Virtual configuration (MYHOME_Suite) | | Physical configuration | |
|--|--------------------------------------|--|------------------------|-----------|
| | 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 |

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. 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 0 to 4 in M of the Master actuator as indicated in the table. This mode is only operative if PL1≠PL2≠PL3≠PL4).

To use the "Actuator as a slave with PUL function", to select the "Type of load" (Actuator, Lamp, Valve, Differential Reset, Fan, Irrigation, Controlled Outlet, Lock) and to select the "Local button mode" (Cyclical, ON/OFF, ON-OFF, Pushbutton, Timed ON) use MYHOME_Suite virtual configuration.

Maintenance

Do not use acetone, detergents for removing tar, or trichloroethylene.

Maintenance using the following products:

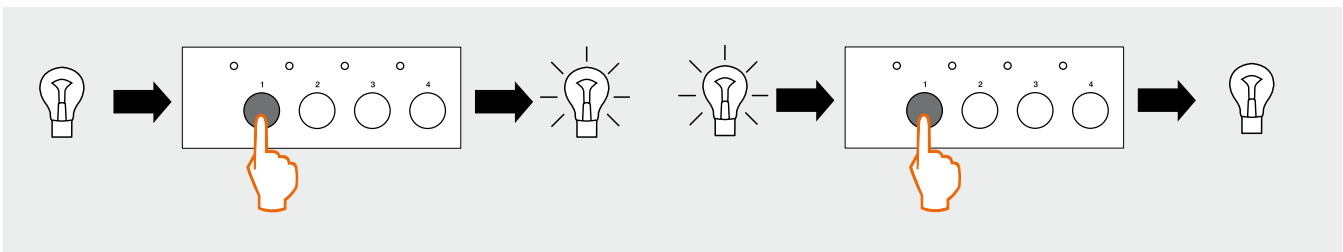
- Hexane (En 60669-1);
- Methylated spirit;
- Soap and water;
- Diluted ammonia;
- Bleach, diluted 10%;
- Glass detergents.

WARNING:

An initial test is required in order to use other special maintenance products.

Operating mode

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



Wiring diagram

