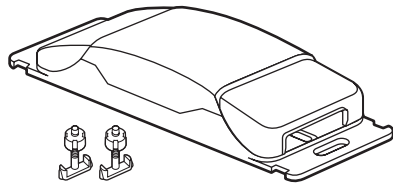


2-output controller

Catalogue numbers(s): 488 50



CONTENTS

Page

1. Use	1
2. Technical features	1
3. Overall dimensions	2
4. Connection	2
5. Installation	4
6. Parameter setting	4
7. Maintenance	4
8. Standards	4

1. USE

This device is a power unit used for managing lighting type and/or ventilation type loads.

It must be connected to one or more detectors and/or diverted auxiliary controls in order to operate.

As such it allows:

- control of the two lighting circuits over one or two different supply phases (complying with the ERP regulations applicable to public buildings).
- control of a lighting and a ventilation circuit either combined or separately.

The control functions can be carried out either automatically using detectors or by override via diverted controls.

- ① Incandescent bulb
- ② Tungsten halogen bulb
- ③ Fluorescent tubes
- ④ Tungsten halogen bulb with ferromagnetic transformer or separate electronics
- ⑤ Compact fluorescent bulb with built-in ballasts
- ⑥ Motor

2. TECHNICAL FEATURES

Voltage: 100-240 V~
Frequency: 50 / 60 Hz
No load power consumption: 1.8 W

Wiring:

- Power:

- 2 x 2.5 mm² (screw terminals)
- N \neq \propto : via normally open relay contact
- NO C NC: via bistable relay

- Control:

- 2 x 2.5 mm² (screw terminals)
- Connection between detector and actuator: RJ 45 lead or cable or BUS/SCS cable to be fitted with RJ 45 connector (150 m max. between the controller and the furthest detector)

Product installation: on a suspended ceiling or on a suitable cable tray

Digital detectors:

- Infrared or ultrasound technology or double technology
- Max. 10 detectors at 230 V~
- Max. 6 detectors at 110 V~

Button: - via normally open contact

- can be used with an indicator: voltage, 27 V_{DC}

Note: consumption of all indicators must not exceed 30mA max.

Usage temperature: -5°C to +45°C

Storage temperature: -20°C to +70°C

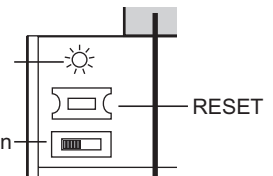
Weight: 255 g

Impact resistance: IK04

Penetration by solid and liquid matter: IP20

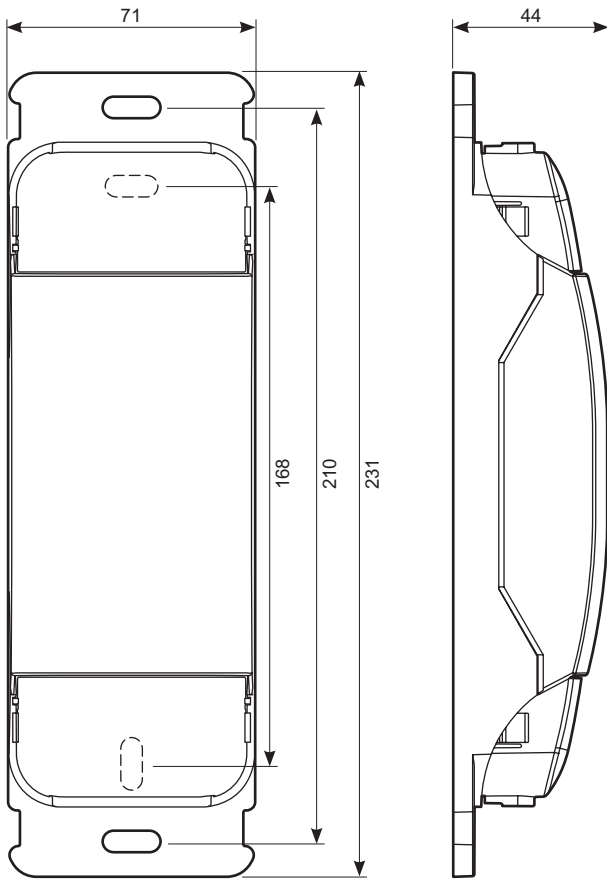
Green detector:
indicates the teach phase or RESET

Selector switch for lighting (left) or ventilation (right) functions



①		②		③		④		⑤		⑥	
230 V~	3680 W	16 A	3680 W	16 A	10x(2x36 W)	4.3 A	3680 VA	16 A	500 VA	2.1 A	1 x 500 VA
110 V~	1760 W		1760 W		5x(2x36 W)		1760 VA		250 VA		1 x 250 VA

3. OVERALL DIMENSIONS

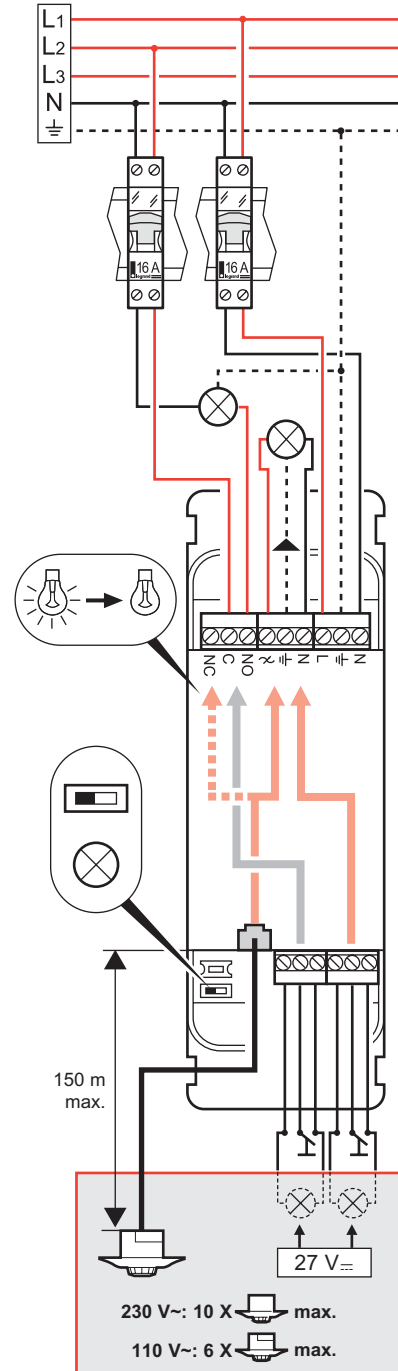


4. CONNECTION

If one of the phases is cut off in an installation with two separate phases, the other phase will continue to feed its associated lighting circuit.

In the event of a connection fault between the detector and actuator, the lights will automatically come back on after 10 minutes.

Wiring 1



Button

The left button controls the left lighting circuit and the right one controls the right lighting circuit.

Detector

This controls the switch-on of the right lighting circuit only, as well as the switch-off of the two channels at the end of the time delay (if they are switched on).

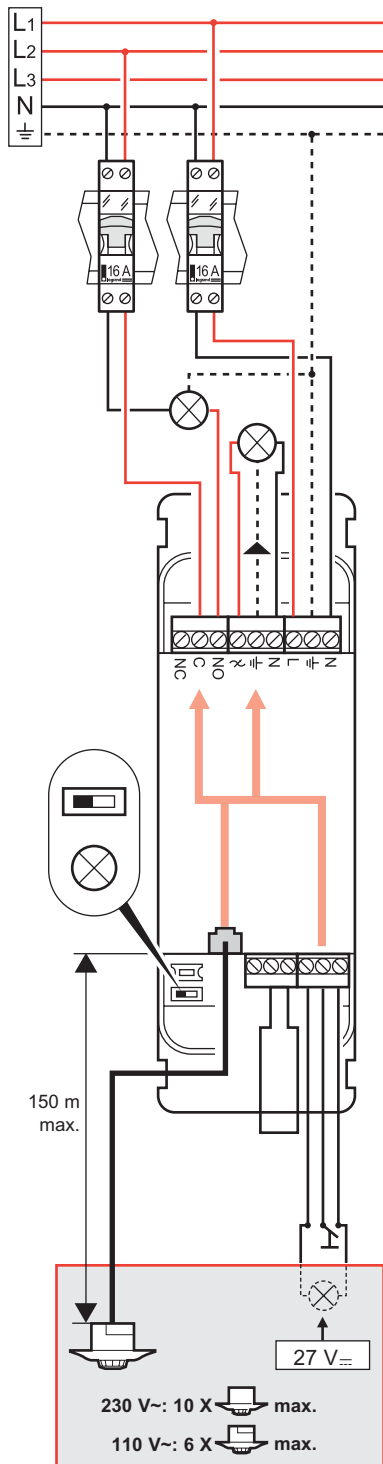
It regulates the lighting automatically following a sufficient contribution from outside light.

It switches off the right lighting circuit.

When the contribution from outside light decreases to below the light level threshold set, the lighting on the right switches on.

4. CONNECTION (continued)

Wiring 2



Button

This controls the two lighting circuits (connection of the terminals from terminal 2 as above).

Detector

This controls the switching on and off of the two lighting circuits at the end of the time delay.

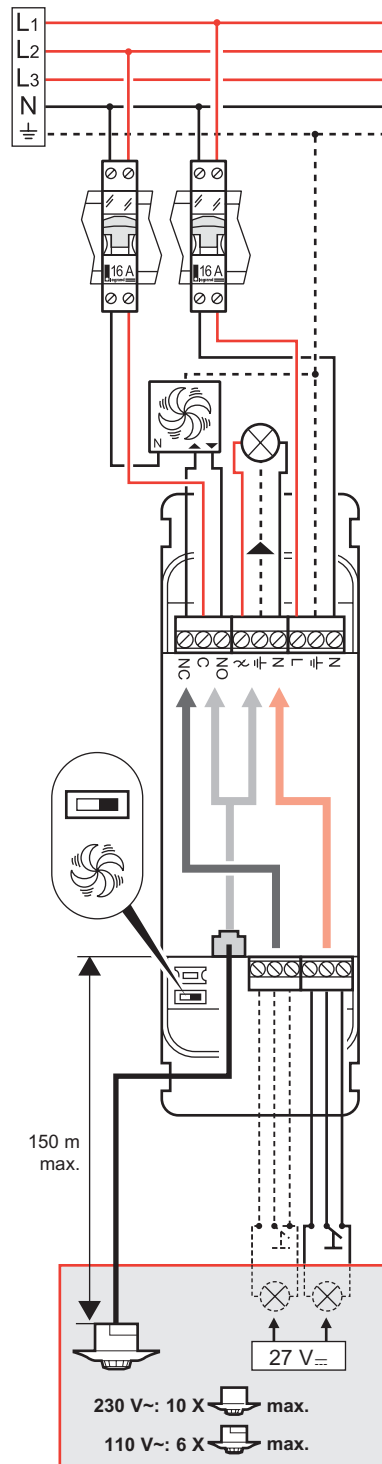
It regulates the lighting automatically following a sufficient contribution from outside light.

It switches off the two lighting circuits.

When the contribution from outside light decreases to below the light level threshold set, the two lighting circuits switch on.

4. CONNECTION (continued)

Wiring 3



Button

The right button controls the lighting circuit and the left button (which is optional) controls the ventilation.

Detector

This controls the switch for the lighting circuit and ventilation status changes. It can also be used to switch off the lighting circuit and to return the ventilation to its previous state at the end of the time delay.

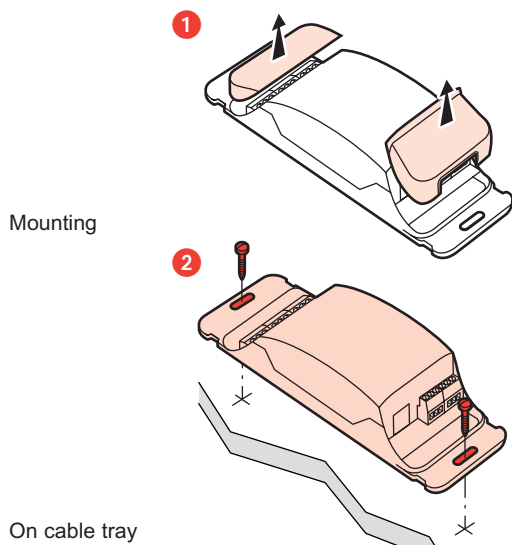
It regulates the lighting automatically following a sufficient contribution from outside light.

It switches off the lighting circuit.

When the contribution from outside light decreases to below the light level threshold set, the lighting switches on.

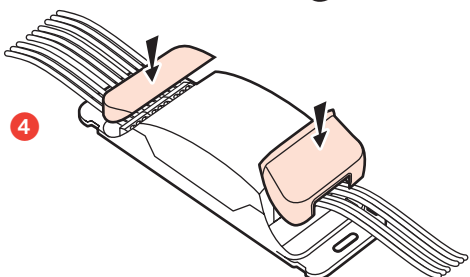
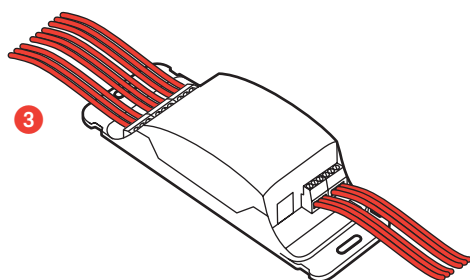
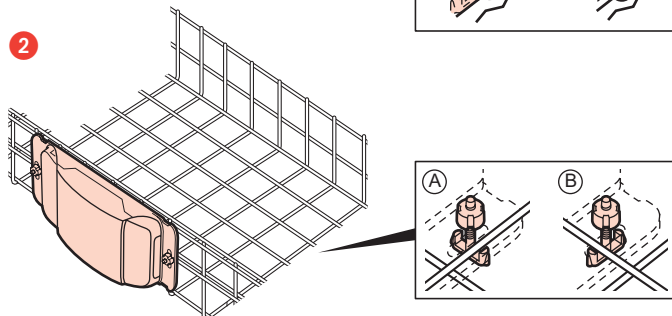
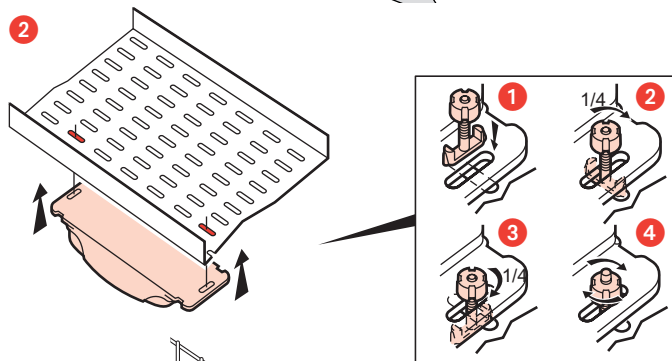
Note: This control has no impact on the ventilation function.

5. INSTALLATION



Mounting

On cable tray



6. PARAMETER SETTING

The detector(s) must be connected to the actuator when the latter is not switched on.

Switching the actuator on generates an automatic configuration between the detector(s) and the actuator.

Setting the parameters of the detector is possible using the configuration tools with cat. no. 882 35 (simplified configuration tool) or cat. no. 882 30 (advanced configuration tool).

Consult the relevant technical sheets for detailed parameter settings of compatible digital detectors.

Note:

All technical information is available at



www.legrandoc.com

7. MAINTENANCE

Do not use: acetone, tar-removing cleaning agents or trichloroethylene.

Maintenance with the following products:

- Hexane (En 60669-1),
- Methylated spirit,
- Soapy water,
- Diluted ammonia,
- Bleach diluted to 10%,
- Window-cleaning products.

ATTENTION: An initial test is required for the use of other special maintenance products.

8. STANDARDS

Directive: CE

Installation standards: NFC 15-100

Product standards: IEC 60669-2-1

Environmental standards:

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

- EU Directive 2002/95/EC:

RoHS (Restriction of Hazardous Substances).

- Regulations: ERP (public buildings)

ERT (workplace buildings)

IGH (high-rise buildings)