Room Controller 1-10 V - 4 outputs

BMDI3002

Description

This device is used for managing lighting loads. It must be connected to one or more detectors and/or diverted auxiliary controls in order to operate.

The load(s) can be controlled manually or automatically by the detectors and/or the controls associated with the device.

Technical features

Voltage:	100-240 V~
Frequency:	50/60 Hz
No load power consumption:	4 W

Wiring:

- Power:

Power supply:	2 x 2.5 mm^2 (screw terminals)

N $\perp$ L1: via normally open relay contact
N $\perp$ L2: via normally open relay contact
N $\perp$ L3: via normally open relay contact
N $\perp$ L4: via normally open relay contact
0 - 10 V ≤ 1.5 mm^2

- Control:

Connection between
detector and controller: RJ 45 cord or cable or BUS/SCS cable to be fitted with RJ 45 connector ([1], [2], [3], [4] 150 m max. cord or BUS/SCS cable between the controller and the furthest detector) (500 m max. cord or BUS/SCS cable between the power supply and the furthest product)

The product incorporates positive safety

- If there is a peripheral fault on the [1], [2], [3], or [4] BUS, the lights come back on automatically after 10 minutes.
- If there is a connection fault on the BUS, the lights come back on automatically after 50 seconds.

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

Peripherals compatible with the offer:

Digital detectors:	infrared, ultrasound or dual technology.
Pushbutton lighting controls:	switch and scenario management multifunction controls.

⚠ [1] + [2] + [3] + [4] ≤ 200 mA

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Usage temperature:	-5℃ to +45℃
Storage temperature:	-20℃ to +70℃
Weight:	580 g
Impact resistance:	IK04
Penetration by solid and liquid matter:	IP20

1 2 3
4
5
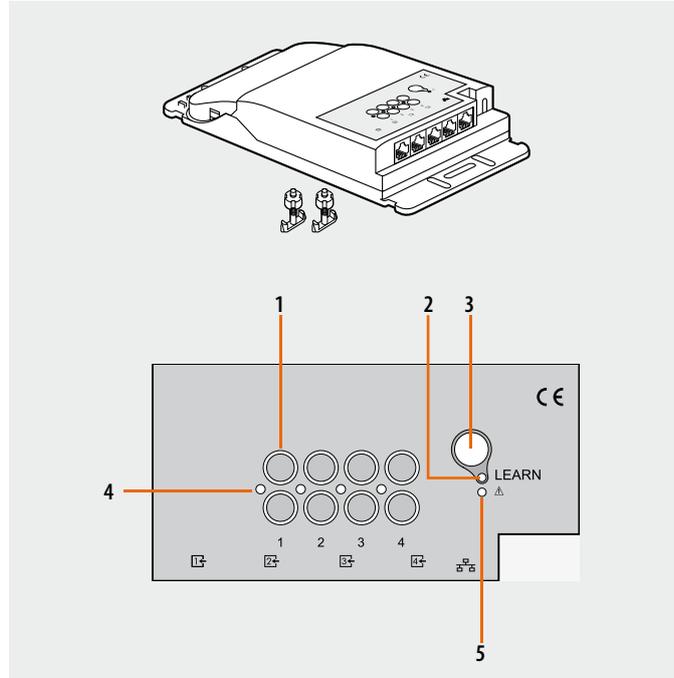
Legend

1. Control buttons.
2. LEARN indicator: indicates the learning or RESET phase.
3. LEARN button.
4. Indicators (on if output activated).
6. RED indicator: indicates that the capacity of the [1], [2], [3], or [4] BUS has been exceeded.

① Fluorescent tubes
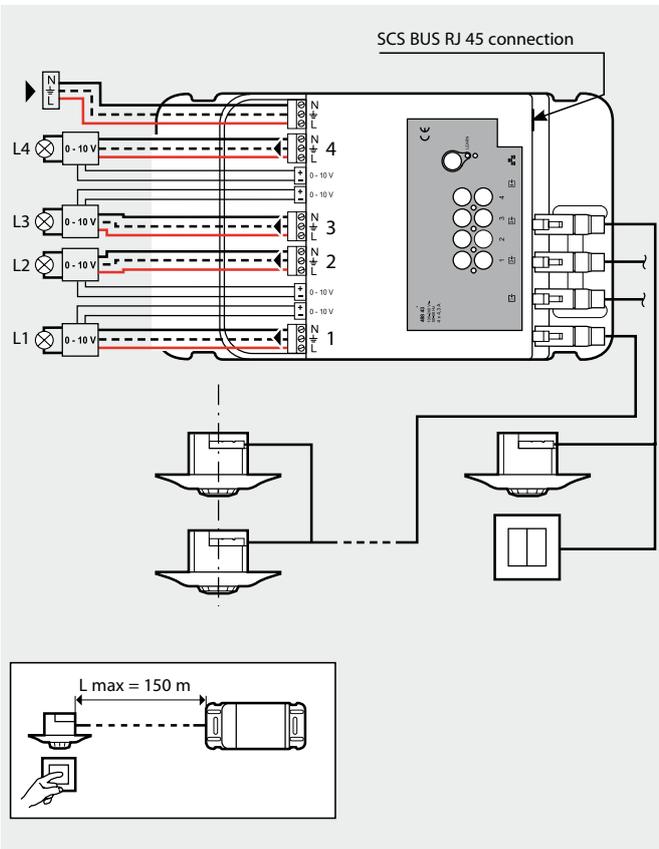② Tungsten halogen bulbs
③ Compact fluorescent bulbs
④ Ballast 1-10 V

	①		②		③	
230 V~	4 x 1000 VA	4 x 4.3 A	4 x 1000 VA	4 x 4.3 A	4 x 1000 VA	4 x 4.3 A
110 V~	4 x 500 VA		4 x 500 VA		4 x 500 VA	

Dimensional data
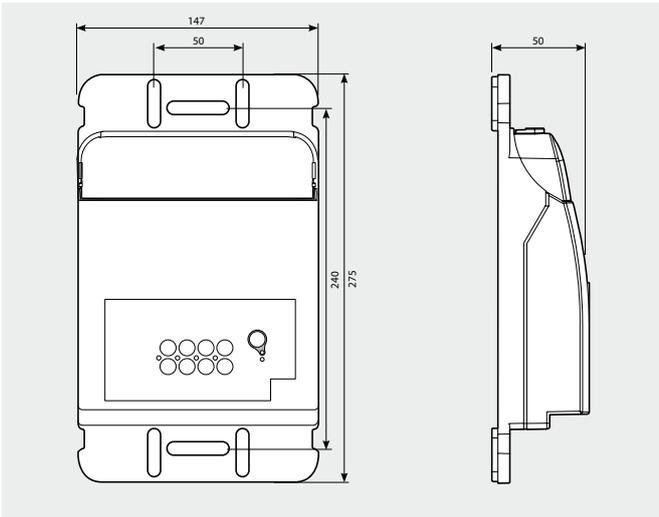
Connection

All the wiring must be carried out with the mains power off.

SCS BUS RJ 45 connection

L max = 150 m

Installation

Mounting

On cable tray
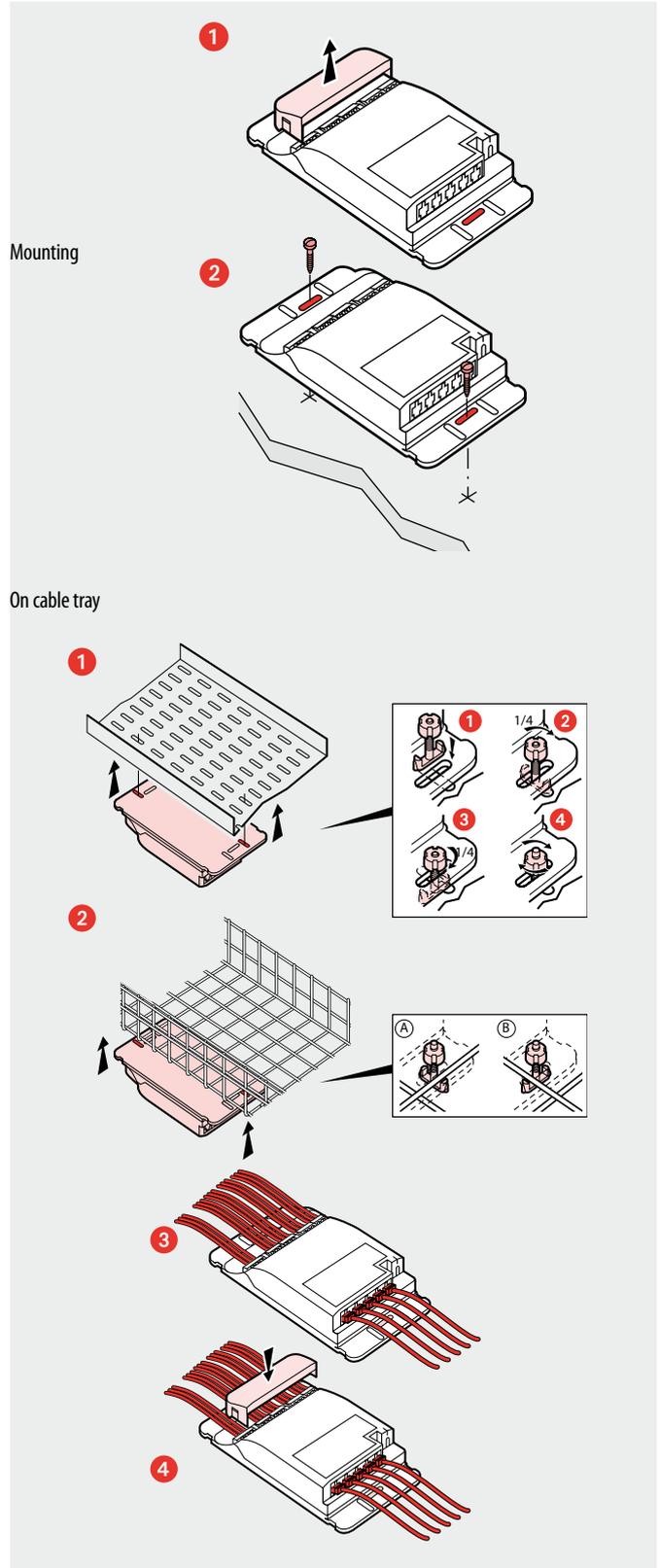
Parameter setting

NB: All the wiring must be carried out with the mains power off.
Switching the controller on generates an automatic configuration: the compatible peripheral(s) and the controller recognise one other on their 1↔, 2↔, 3↔, and 4↔BUSES. The parameters of the installation can be set using configuration tools item BMSO4003 or item BMSO4001.
Consult the relevant technical data sheets for detailed parameter setting of digital detectors that are compatible with the offer.

Note: All technical information is available at

www.legrandoc.com

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.

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)

TECHNICAL SHEETS