

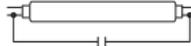
POLE-MOUNTED PHOTOCELL SWITCH WITH INTERNAL SENSOR

- Threshold adjustable from 2 to 200 LUX
- The product is supplied pre-adjusted for 10 LUX



1 – TECHNICAL DATA

Supply voltage:	230V~ 50 ÷ 60 Hz
Type of action, disconnect and device:	1 / B / Electronic
Type of output:	Relay with NA single-pole polarized contact, 16(3)A / 250V~
Example of maximum operating power:	3500 W / 230V~ $\cos\phi = 1$

 2300 W (23 x 100 W)	 700 W (12 x 58 W)	 290 W (5 x 58 W 35 μ F)	 105 W (7 x 15 W)
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Maximum wire section at terminals:	2,5 mm ²
Insulation:	Class II <input type="checkbox"/>
Protection degree:	IP65
Pollution:	Normal
Activation threshold:	2 ÷ 200 LUX adjustable
Switch on/switch off delay:	25 seconds approx.
Operating temperature limits:	-30 °C ÷ +60 °C
Storing temperature limits:	-30 °C ÷ +65 °C
Installation:	For external use (e.g. pole)
Reference standard for CE mark:	LVD EN60669-2-1
(directives 73/23/EEC and 89/336/EEC).	EMC EN60669-2-1



PC - DEICNN002 10/04

ENGLISH

Dimensions

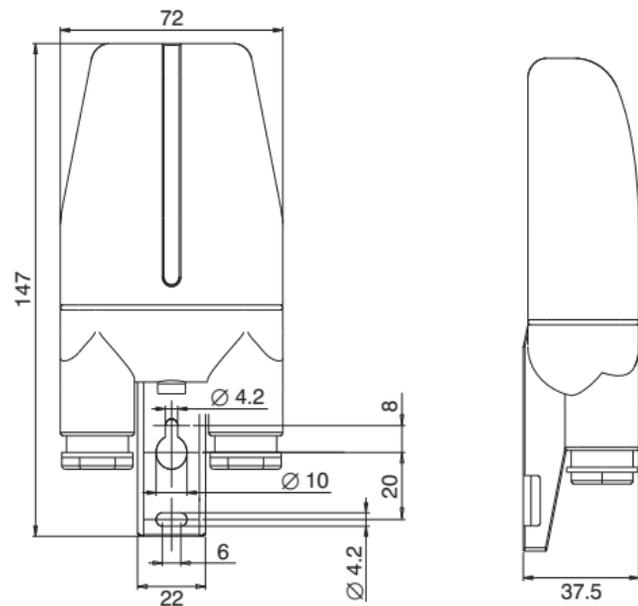


fig.1

Components

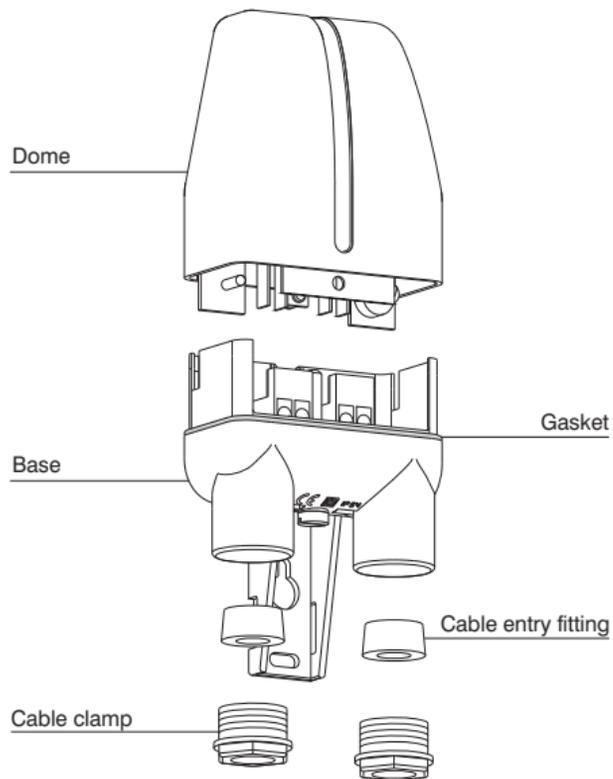


fig.2

2 - INSTALLATION

Important: installation and electrical connections of devices and appliances must be carried out by skilled persons and in compliance with current regulations.

The manufacturer declines any liability in connection with the use of products subject to special environmental and/or installation standards.

Note for installer

Ensure in advance that all cables (especially power) are properly routed and ducted in accordance with installation standards.

Installation of switch

device intended for external installation (e.g. pole)

remove the dome

fix the base of the device with screws or clips, utilising the holes provided in the bracket

disconnect the mains supply

slip the cable clamp nuts over the cables (maximum external diameter of cable 11mm)

pierce the web of the rubber grommets and slip the grommets over the cables (fig. 3)

insert the ends of the cables into the base and make the electrical connections

connect the 230V power supply conductors to the terminals:

L = live, N = neutral

connect the lamp as indicated in fig.4 (options "A" or "B")

locate the rubber grommets of the cable entry fittings in their seats
tighten the cable clamp nuts to ensure a hermetic seal

Important: in cases where a single cable is routed to the switch, the cable entry not utilised must be sealed by inserting the rubber grommet (unpierced) tightening the cable clamp nut.

Cable entry

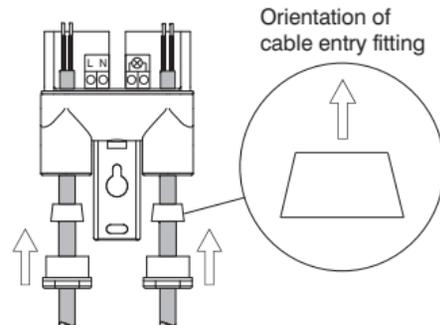
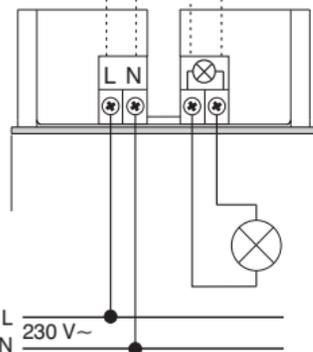


fig. 3

Electrical connections

Option "A"



Option "B"

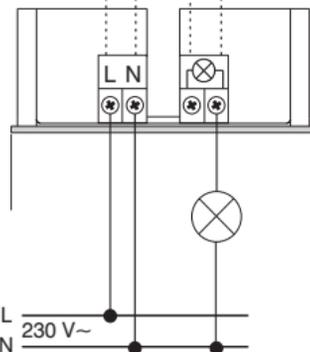


fig. 4

3 – FITTING THE DOME

check the correct positioning of the gasket on the base
position the dome (fig. 5) and press down until the captive screw is engaged; the adjustment trimmer and the threshold trip indicator LED should be visible (fig. 6), and the faston clips of the circuitry should be in contact with the terminals on the base.

Fitting the dome

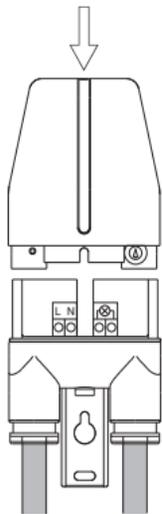


fig.5

4 - SETTING

switch on the power supply
make the threshold adjustment (from 2 to 200 LUX) by turning the trimmer (fig.6); the LED will light up to indicate correct operation of the sensor.

N.B. The device is factory set to 10 Lux

Setting position

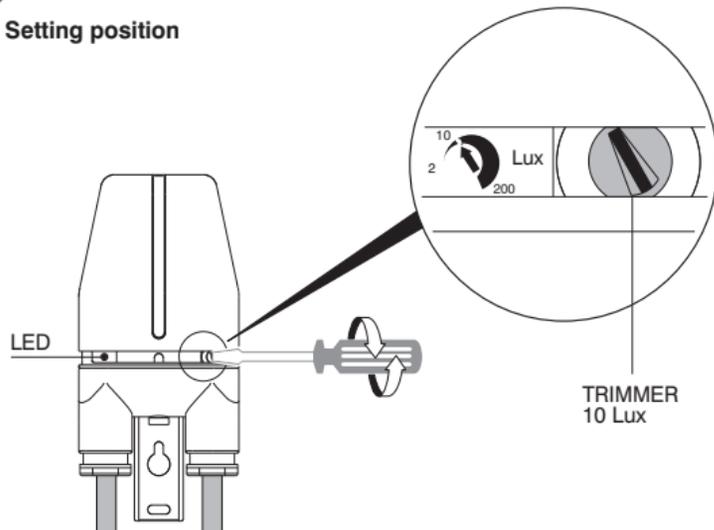


fig.6

5 – CLOSING THE DEVICE

Secure the dome by tightening the captive screw inserted through the bottom of the base. Tighten the screw until the dome presses on the gasket sufficiently to ensure a hermetic seal (fig. 7).



WARNING: in the case of particularly reactive loads (e.g. fluorescent or HID or electronic lamps, etc.) or with a $\cos\varphi$ value lower than those indicated in the technical data, the relay could suffer damage. It is advisable in such instances to use a suitably rated external relay or solenoid switch.



WARNING: according to Italian safety standards governing electrical systems and equipment (CEI 64-8), electrical connections must be made only after isolating the 230V~ power line.

Closing the device

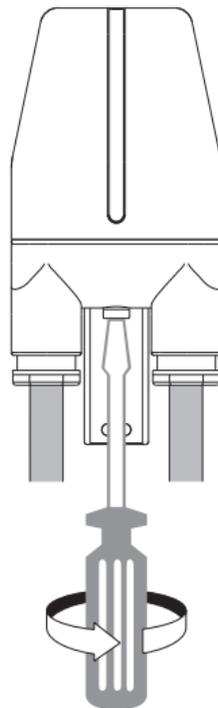


fig.7

6 – OPERATION

The pole-mounted photocell switch pilots the switching on and off of external lighting systems. The contact of the switch will close when the level of daylight falls below the set threshold and stay closed until the daylight returns above the threshold. For correct operation, the photocell switch must be installed in such a way that it will remain unaffected when the lamps to which it is connected are ignited or energized (see fig.8).

7 - MAIN SPECIFICATIONS

Designed and manufactured employing the most recent technologies, reflected in all its components, this pole-mounted photocell switch is also intended to make the work of installers easier.

- The entire device is opened and closed by loosening and retightening a single "captive" screw.
- The light-sensitivity adjustment can be made with the device under load and in complete safety, simply by selecting the setting position (fig. 6).
- The dome containing the circuitry is replaceable as a separate component, keeping the base and cables in position and permanently wired, making for considerably shorter job times when servicing is required.

With advantages such as these and the superior technical specifications of the product, purchasers have the ideal solution for controlling outdoor lighting installations.

The manufacturer reserves the right to make all technical and manufacturing modifications deemed necessary without prior notice.

Example of installation

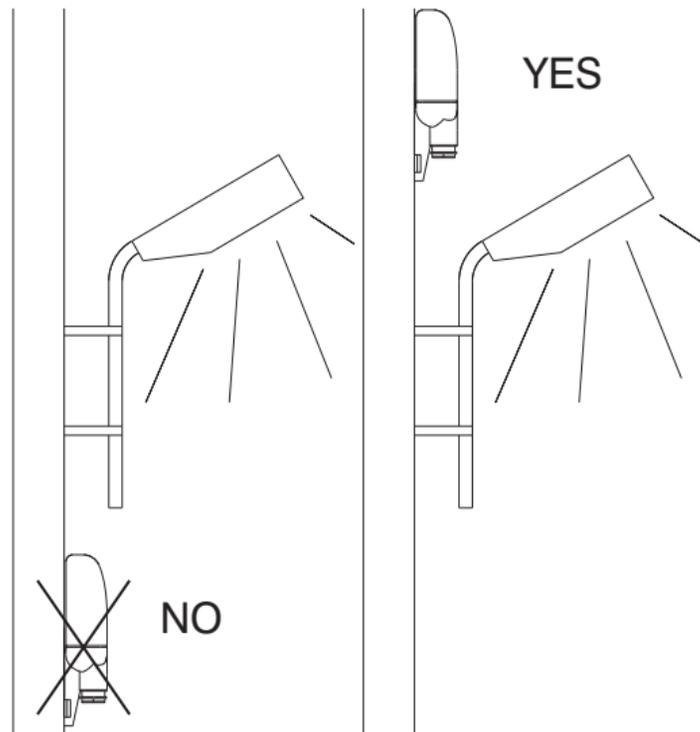


fig. 8