

MODULAR PHOTOCELL SWITCH 2 DIN MODULES - With remote probe

Intervention threshold on 3 scales: 2 + 100 lux - 2 + 1000 lux - 2 + 10000 lux



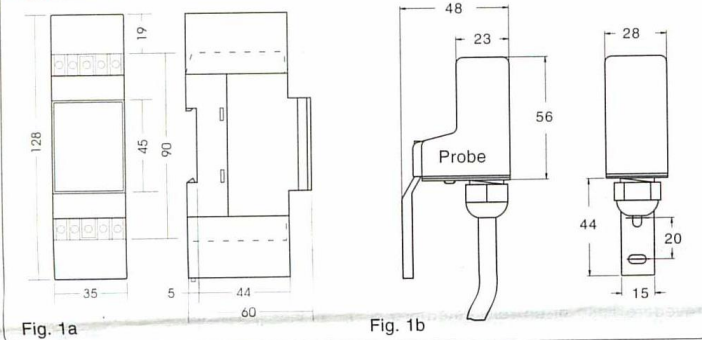
ENGLISH

Lm-DE0070511 11/00

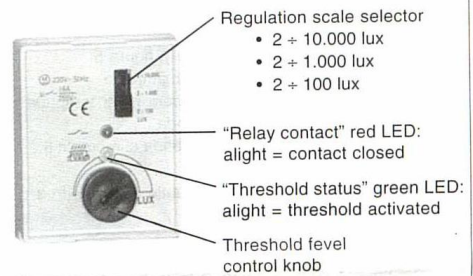
1 - TECHNICAL SPECIFICATIONS

Supply voltage:	230 V- 50 + 60 Hz
Type of action, disconnection and device:	1/ B / Electronic
Type of output:	relay, with single-pole voltage-free, changeover contact
	16 (3) A / 250 V-
Maximum pilotable power:	3500 W / 230 V- $\cos\phi = 1$
	1080 W / 230 V- (18x60 W tungsten lamps)
	720 W / 230 V- $\cos\phi = 0.8$ (fluorescent lamps)
	200 W / 230 V- $\cos\phi = 0.9$ (DUO type lamps)
Maximum wire section at terminals:	2.5 mm ²
Type of insulation:	class II
Protection degree of module:	IP20
	IP30 (wall-mount with terminal cover)
	IP40 (panel mounting)
	IP65 (with cable diam. 4 + 8 mm)
Protection degree of probe:	normal
Pollution:	0 °C + +55 °C
Operating temperature limits of the module:	-30 °C + +65 °C
Operating temperature limits of the probe:	-10 °C + +65 °C
Storage temperature limits of the module:	-40 °C + +75 °C
Storage temperature limits of the probe:	
Activation threshold on 3 scales:	2 + 100 lux - 2 + 1000 lux - 2 + 10000 lux
Delay time at switching on:	8 seconds ± 10%
Delay time at switching off:	38 seconds ± 10%
CE reference standards:	LVD EN60065
(Directives 73/23/CEE - 89/336/CEE)	EMC EN55014-1 EN55014-2
	EN61000-3-2 EN61000-3-3

Dimensions



Controls and indicators



2 - MODULE INSTALLATION

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

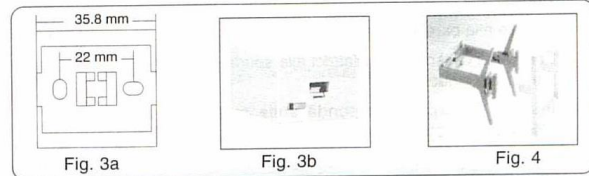
The manufacturer declines any liability in connection with the use of products subject to special environmental and/or installation standards.

Installation of the device: independent - fixed

- on DIN rail
- wall mount with back plate (fig. 3a) and terminals-cover (fig. 3b)
- panel mounting with Kit (to be orderer separately) (fig. 4)



CAUTION: in agreement with the requirements of system safety standards, the mains (230 V-) must be disconnected before the electrical connections are made.



3 - MODULE ELECTRICAL CONNECTIONS

- Turn off the mains supply.
- Connect the 230 V~ supply to the terminals:
 - a (Line)
 - b (Neutral)
- Connect the load as indicated in figure 5:
 - Neutral (N) directly to the lamp
 - terminal 1 (normally open) to the lamp
 - terminal 2 (common) to the line
- Connect the wires coming from the probe to terminals 6 and 7 of the twilight switch.

For special applications the connection that is normally closed at terminal 3 is available.

CAUTION: the electrical connection to the separate probe must be made using a twin cable with a minimum external diameter of 4 mm, a maximum of 8 mm and with the section of each conductor $0.75 \div 1.5 \text{ mm}^2$.

4 - INSTALLATION OF THE PROBE

Installation on a wall or pole using the fixing bracket provided.

- Fix the bracket to the wall (fig. 6).
- Make the electrical connections to the probe (see following paragraph).
- Insert the body of the probe onto the bracket until it locks (the tooth snaps on the bracket).

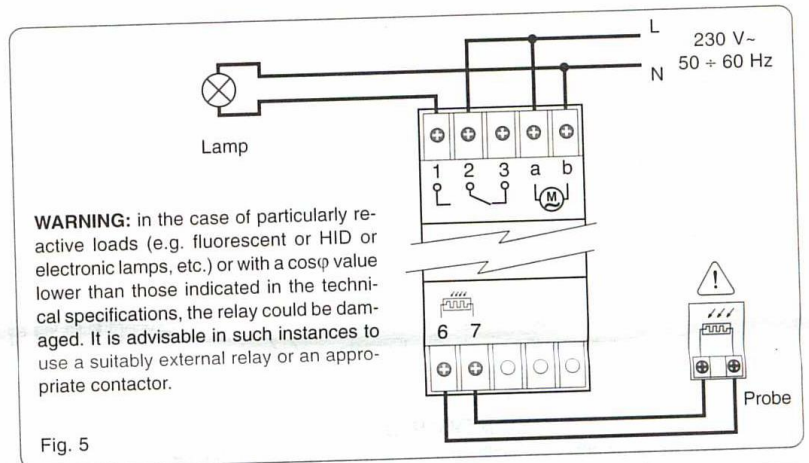
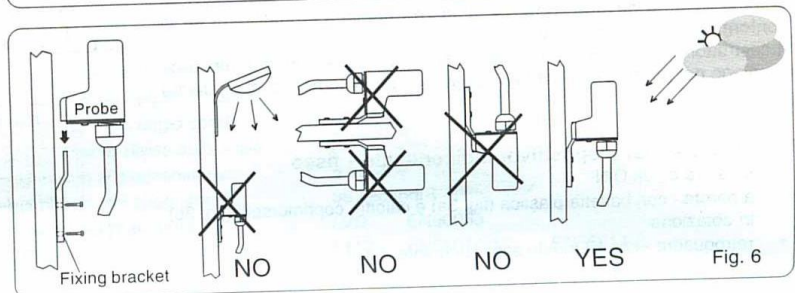


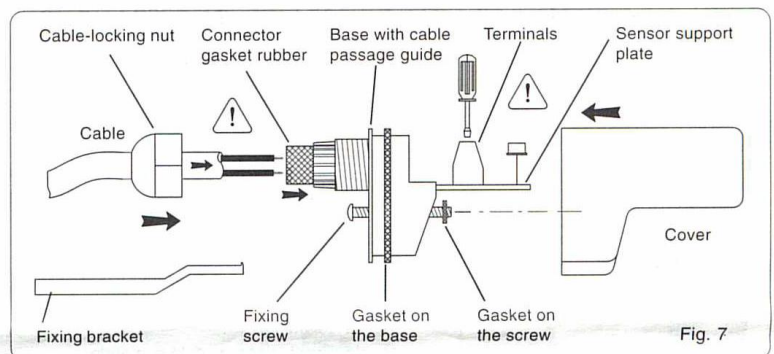
Fig. 5



5 - ELECTRICAL CONNECTION OF THE PROBE

(see fig. 7)

- Remove the cover (unscrew the fixing screw).
- Unscrew the cable-locking nut and fit it onto the cable.
- Check that the gasket rubber is correctly inserted into the base cable connector.
- Insert the cable into the connector and connect to the terminals (fig. 5).
- Check that the sensor support plate is correctly fitted on the base.
- Tighten the cable-locking nut.
- Check the position of the gaskets on the base and on the screw.
- Replace the cover on the base and tighten the fixing screw.



CAUTION: once the connection has been completed, the electrical parts will be live: do not open the protective cover without first disconnecting the 230 V~ supply.

6 - PUTTING INTO OPERATION

Select the desired regulation scale using the selector and select the desired intervention threshold using the lux regulation knob (fig. 2).

If the GREEN LED is illuminated, this indicates the activation status of the threshold.

If the RED LED is illuminated, this indicates that the relay contact is closed (illumination lit up).

ATTENTION: the separate probe is available as a spare part.