GB

B.E.G. LUXOMAT® CdS-SM

Installation and Operating Instruction for B.E.G.-Photo electric switch CdS-SM

1. Mounting preparations

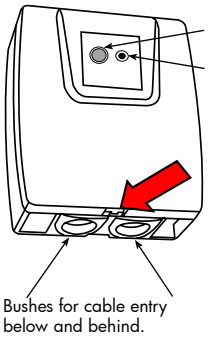
Work on the 230 V mains supply may only be carried out by qualified professionals or by instructed persons under the direction and supervision of qualified skilled electrical personnel in accordance with electrotechnical regulations.

Disconnect supply before installing!

LUXOMAT® CdS-SM should be installed on horizontal, vertical surfaces (house walls) facing north.

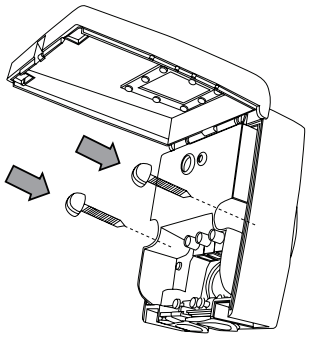
Please also ensure that CdS-SM cannot be influenced by the switched lighting and direct sun light.

LUXOMAT® CdS-SM can be used for wall as well as pole installation with the help of the pole support (incl.).



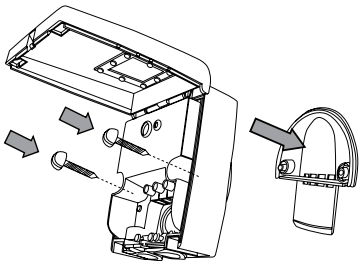
2a. Wall installation

Prepare the mounting holes with a 6 mm drill and affix the unit with the respective dowels and screws.



2b. Postmounting

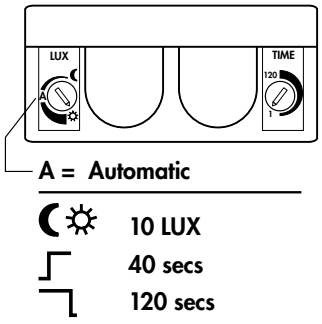
For pole installation, place the CdS-T-SM twilight switch on the pole support and screw them together. Then affix the pole support to the pole using a clamp.



3. Function

LUXOMAT® CdS-SM twilight switch for automatic controlling of lights

- Light value settings and switch-on and switch-off delay via potentiometer from the outside
- LED settings help (no delay)
- Precise settings through microprocessor
- Switch-on and switch-off delay with self-learning switch-off light
- Integrated automatic function



4. Settings

The automatic function can be selected via the rotating knob LUX: Position "A". In position "A", the rotating knob TIME has no function.

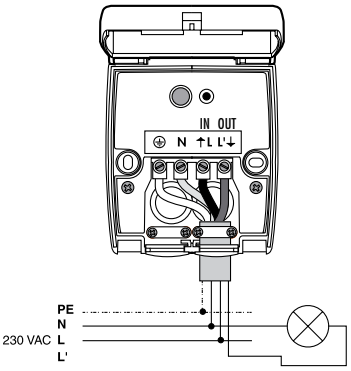
A-Automatic (Twilight value and Switch-on/switch-off delay fix)
Twilight value: Lights are switched on as of approx. 10 Lux
Delay time: ON - 40 seconds
OFF - 120 seconds

(LUX) - Twilight value
An individual twilight value can be set for positions deviating from position "A"-Automatic:
Threshold curve from "A" to "Moon" symbol = approx. 50 Lux to approx. 2 Lux
Threshold curve from "A" to "Sun" symbol = approx. 50 Lux to approx. 1000 Lux

LED-Display:
LED on: Surrounding light is darker than the set twilight value
LED off: Surrounding light is brighter than the set twilight value

(Time) - Switch-on/switch-off delay
The switch-on/switch-off delays are active and equally long.
The switch-on/switch-off delay can be set from 1 second up to 120 seconds.

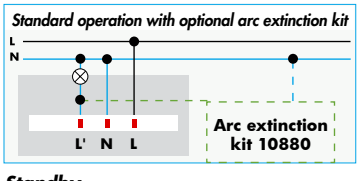
5. Mains connections



Connection cable bushes are possible from behind and below.
Open the hinge fitting seal of the housing and connect the twilight switch in accordance with the wiring diagram. Then close the housing again.

Connections:
PE = Grounding conductor
L/N = Twilight switch supply
N/L' = Light connection

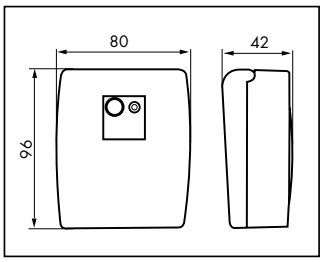
Switching inductive loads
If inductive loads such as relays, transformers, contactors and fluorescent tubes are switched, parallel switching of a suppressor element (Item no. 10880) for inductive loads can prevent or reduce voltage peaks and in this way extend life of the high power relays.



Standby
Optional extension for switching of parallel inductors, rocker switches, fluorescent lamps etc.

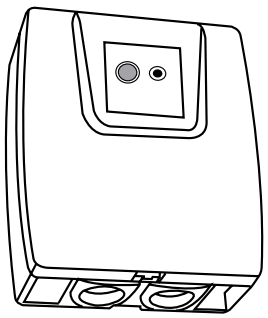
6. Technical details

- **Mains voltage:** 230 V~ ±10 %
- **Switching capacity:** 2300 W cos(φ) = 1; 1150 W cos(φ) = 0.5
- **Switch-on/switch-off delay:** 1 - 120 sec.
- **Twilight value:** approx. 2 - 1000 Lux
- **Ambient temperature:** -25°C to +50 °C
- **Installation:** Wall- or postmounting
- **Protection type:** IP54
- **Protection class:** II
- **Dimensions:** H 96 x W 80 x D 42 mm
- **Housing** made from high-quality UV-resistant Polycarbonate (pole support made of POM)
- **Automatic function:** 10 Lux / 40 sec. switch on- / 120 sec. switch-off delay



7. Article / Part nr.

Type	Part nr.
CdS-SM	92369



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