

## Installation and Operating Instruction for B.E.G. Photo electric switch TS-DD

### 1. Safety instruction and general informations

- The installation and assembly of electrical equipment must be carried out only by a skilled person! Otherwise fire danger or danger of an electric shock exists!
- Connect the supply voltage/frequency as stated on the product label!
- Warranty void if housing opened by unauthorised person!
- The electronic circuit is protected against a wide range of external influences. Incorrect operating may occur if external influences exceed certain limits!

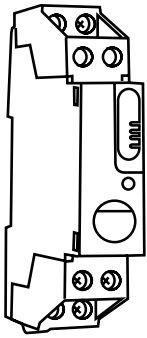


Photo electric switch

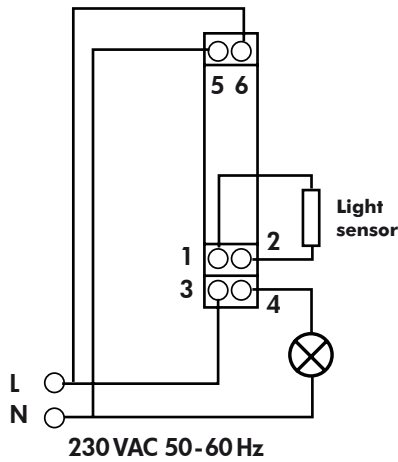


Separate light sensor

### 2. Initial operation

- Connect the supply voltage/frequency as stated on the product label!

Connection diagram



### 3. Installation of the light sensor

- Disconnect power supply! Otherwise danger of an electric shock exists!  
The connection between the control and the sensor unit should be a two-wired power cable max. 100 m (1.5 mm<sup>2</sup>). It must not be a multi-wired conductor with other applications.

### 4. Place of installation of the light sensor

- Where the light conditions are as similar as possible to the place of the lighting application (indoors and outdoors).
- △ Pay attention that no influence of the controlled illumination may influence the sensor.
- Preferred direction (outdoors): north
- Height (outdoors): 2.50 m to 3 m.

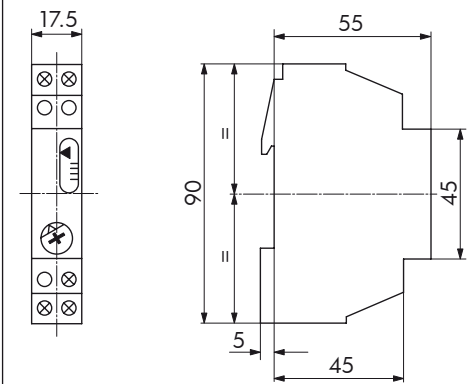
### 5. Adjustments

- The switching-sensitivity (LUX-value) can be adjusted by the photosensitivity-controller (LUX-controller).
- The LUX-value must be above or below the adjusted threshold for at least 1 min. (delay time) before the device switches OFF or ON respectively.
- **Recommended find adjustment:**  
Rotate the LUX-controller until the red LED lights up.
- **Result:** The LUX-threshold is the current ambient light (the switching takes place after delay time).

### 6. Technical data

■ Supply voltage	230 V ± 10 %, 50 – 60 Hz
■ Lux-ranges	1 - 100 Lux / 50 - 1000 Lux
■ Switching capacity	10 A cos(φ) = 1; 2 A cos(φ) = 0.6
■ Filament lamp	1000 W
■ Fluorescent lamp compensated	600 W
■ Halogen lamp	450 W
■ Switching delay ON	≈ 8 sec.
■ Switching delay OFF	≈ 40 sec.
■ Hysteresis	≈ 30 %
■ Permitted ambient temperature control unit	-10°C – +40°C
■ Permitted ambient temperature light sensor	-35°C – +50°C
■ Type of protection control unit	-
■ Type of protection light sensor	IP54

### 7. Dimensions



### 8. Article / Part-Nr.

Article	Special function	Part-Nr.
<b>LUXOMAT®</b> TS-DD	Light sensor installation	92681