

theben

307274

EN Motion detector

theLuxa R180 WH

1010200

theLuxa R180 BK

1010201



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1. Basic safety information



WARNING

Danger of death through electric shock or fire!

- Installation should only be carried out by a qualified electrician!

- The device conforms with EN 60669-2-1 if correctly installed
- IP 55 in accordance with EN 60529

2. Proper use

- Motion detector for automatic lighting control dependent on presence and brightness
- Suitable for wall mounting outdoors
- Suitable for entrances, garages, gardens, corridors, parks, etc.
- Only intended for installation outside of arm's reach

Disposal

- Dispose of device in environmentally sound manner

3. Connection



WARNING

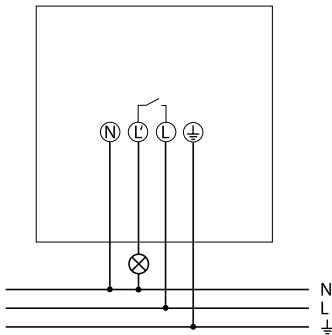
Danger of death through electric shock or fire!

- Installation should only be carried out by a qualified electrician!

- Disconnect power source
- Ensure device cannot be switched on
- Check absence of voltage
- Earth and bypass
- Cover or shield any adjacent live components



Secure device with an upstream type B or type C circuit breaker (EN 60898-1) with a maximum of 10 A.



4. Installation

Installation instructions

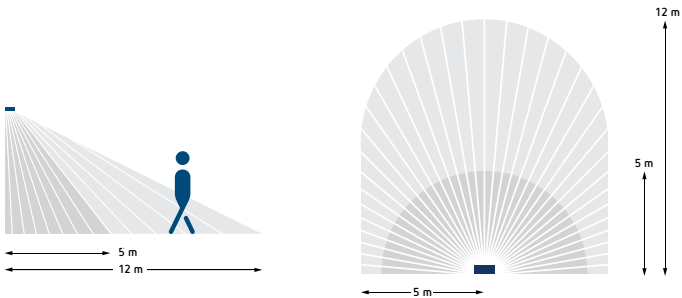


WARNING

Danger of death through electric shock or fire!

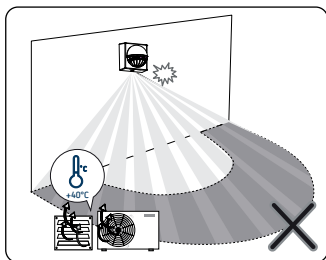
- Installation should only be carried out by a qualified electrician!

① Observe the recommended installation height of 2.5–4 m!

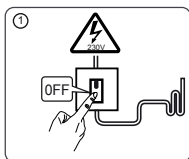


As the detector reacts to variations in temperature, avoid the following situations:

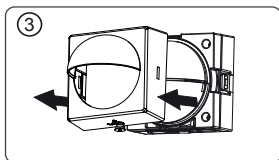
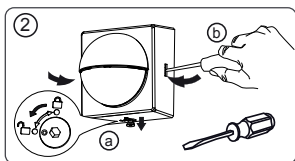
- ① Do not direct motion detectors at objects with highly-reflective surfaces such as mirrors, etc.
- ① Do not install the motion detector near heat sources, such as heating outlets, air conditioning systems, lamps, etc.
- ① Do not direct the motion detector at objects that move in the wind, such as curtains, large plants, etc.
- ① Pay attention to the direction of motion during the test run

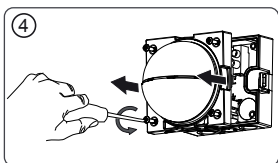


► Disconnect power source ①

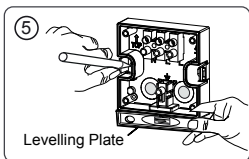


► Release lock (a) below and catch mechanism (b) laterally ②
and remove the upper case parts ③ ④

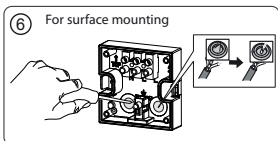




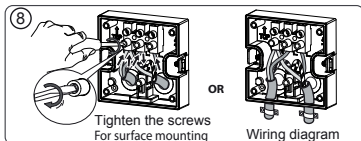
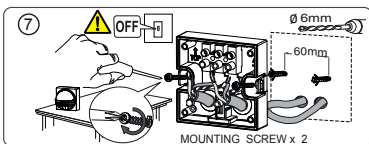
- Make marks for the holes and drill the holes ⑤

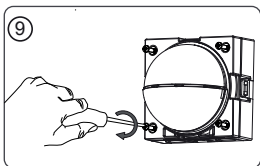


- Feed cable through the seal of the base ⑥

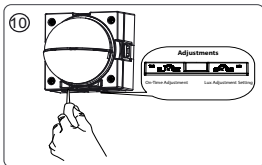


- Fix the base to the wall, connect the individual wires to the appropriate terminal ⑦ and tighten the screws ⑧

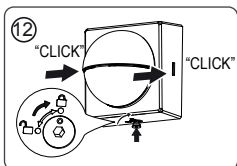
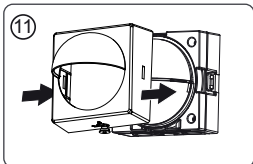




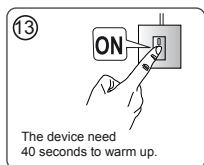
- ▶ Plug motion detector onto base ⑨ and make settings at the potentiometers ⑩



- ▶ Remove cover and close catch mechanism ⑪ ⑫



- ▶ Connect motion detector to power supply ⑬

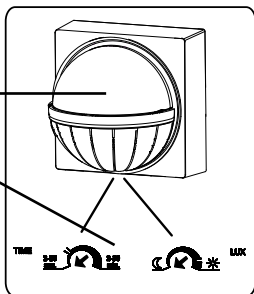


⑬ The device needs 40 seconds of preheating time.

5. Description

Motion detector
with sensor head

2 potentiometers
for setting time
and brightness



6. Setting

Setting the brightness



- ▶ Turn the potentiometer towards „Moon“; the motion detector only switches on when it is relatively dark.
- ▶ Turn the potentiometer towards „Sun“; the motion detector switches on when it is relatively bright
- ▶ Turn the potentiometer to „Sun“, and the device works independent of brightness

Setting the time

TIME

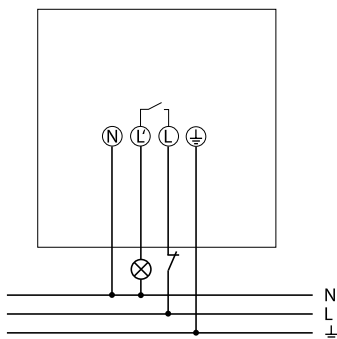


- Set the potentiometer to the desired time (2 s – 30 min)

Manual operation

The lighting can be manually switched on/off via a circuit breaker button.

- ① The lighting must have been switched on by the motion detector, in order to use this function!
- ① A circuit breaker button must be connected
- ① Function only possible at night



- Press the circuit breaker button twice briefly (max. 2)

- The lighting remains switched on for 6 hours.
- ▶ In order to switch off the lighting and return to automatic mode, press the circuit breaker button briefly (max. 2 s)
- ▶ If the circuit breaker button is pressed twice during this 6-hour period, the lighting will remain switched on for a further 6 hours.

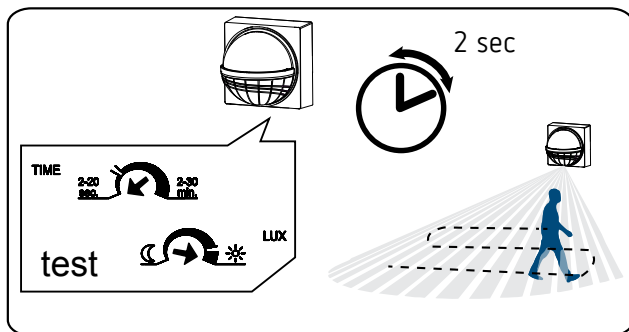
7. Walking test

Performing the walking test

The walking test is used to test the detection area and to restrict it if necessary.

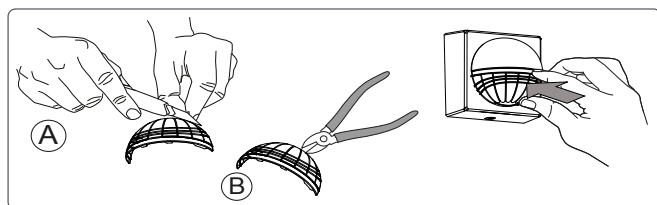
- ▶ Turn the time potentiometer (min.) counterclockwise up to the stop
 - ▶ Turn the brightness potentiometer (lux) clockwise up to the stop
 - The motion detector now reacts to movements (independent of brightness).
 - ▶ Walk through the detection area at a right angle. After the motion detector has detected a movement, it switches on for 2 s.
- ① Pay attention to the direction of motion during the test.





Limiting the detection area

- Use the supplied stickers to adjust the motion detector to the desired detection area.
- Remove the required section of the sticker by using scissors.
- Then place it on the lens.



8. Technical data

Operating voltage:	230 V AC +10 % / -15 %
Frequency:	50 Hz / 60 Hz
Standby:	< 0,5 W
Switching capacity:	10 A (at 230 V AC, cos φ = 1)
Min. switching capacity:	10 mA
Switch contact:	μ contact 230 V AC
Protection rating:	IP 55 (EN 60529)
Protection class:	II
Operating temperature:	-25 °C ... +45 °C
Brightness setting range:	2 – 200 lx/ ∞
Duty cycle range:	2 s – 30 min
Detection angle:	180°
Detection area:	lateral: max. 12 m, frontal: max. 6 m
Installation height:	2.5 – 4 m
Incandescent/halogen lamp load	2300 W
Low-voltage halogen lamps (transformer):	1000 VA
Fluorescent lamps (VVG) uncompensated:	500 VA
Fluorescent lamps (VVG) series compensated:	500 VA
Fluorescent lamps (LLB) parallel compensated:	500 W (60 μ F)
Fluorescent lamps (EVG):	500 W
Compact fluorescent lamps (EVG):	80 W
LED lamps < 2 W:	30 W
LED lamps > 2 W:	500 W

9. Contact

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