307274

theben

EN Motion detector

theLuxa R180 WH
1010200
theLuxa R180 BK
1010201

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

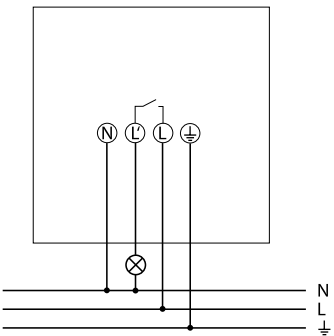
WARNING

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

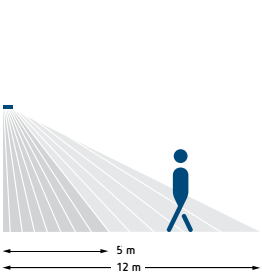
Installation instructions

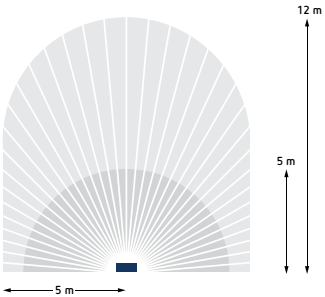
WARNING

Danger of death through electric shock or fire!

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

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





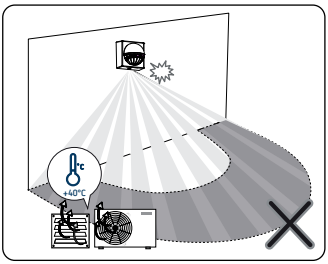
As the detector reacts to variations in temperature, avoid the following situations:

ⓘ Do not direct motion detectors at objects with highly-reflective surfaces such as mirrors, etc.

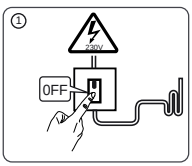
ⓘ Do not install the motion detector near heat sources, such as heating outlets, air conditioning systems, lamps, etc.

ⓘ Do not direct the motion detector at objects that move in the wind, such as curtains, large plants, etc.

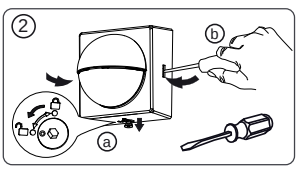
ⓘ Pay attention to the direction of motion during the test run

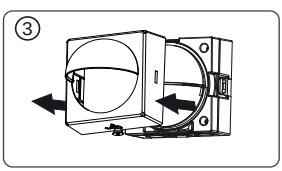


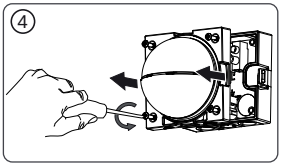
➤ Disconnect power source ①



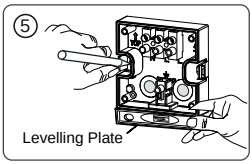
➤ Release lock (a) below and catch mechanism (b) laterally ② and remove the upper case parts ③ ④



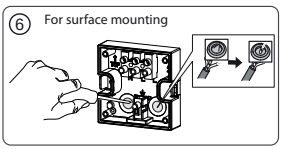




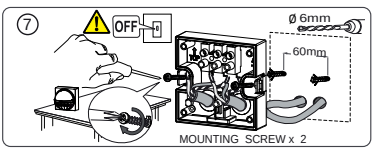
➤ Make marks for the holes and drill the holes ⑤

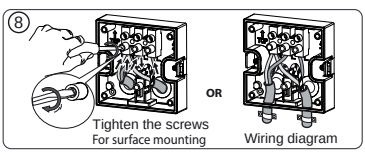


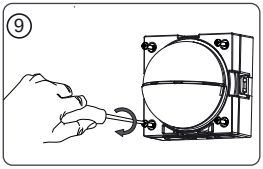
➤ Feed cable through the seal of the base ⑥



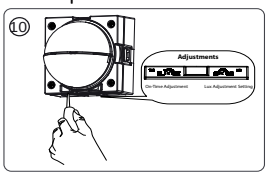
➤ Fix the base to he wall, connect the individual wires to the appropriate terminal ⑦ and tighten the screws ⑧



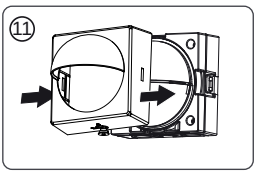


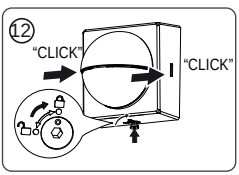


➤ Plug motion detector onto base ⑨ and make settings at the potentiometers ⑩

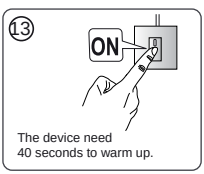


➤ Remove cover and close catch mechanism ⑪ ⑫





➤ Connect motion detector to power supply ⑬

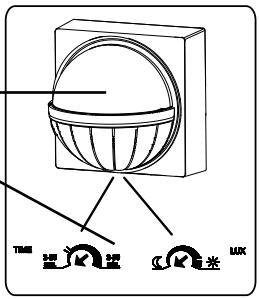


ⓘ The device needs 40 seconds of preheating time.

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

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

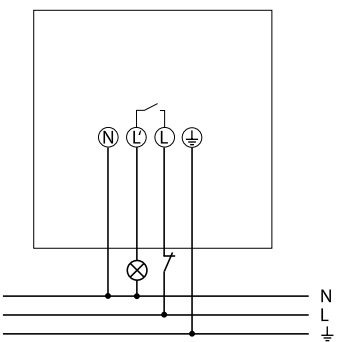
Manual operation

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

ⓘ The lighting must have been switched on by the motion detector, in order to use this function!

ⓘ A circuit breaker button must be connected

ⓘ 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.

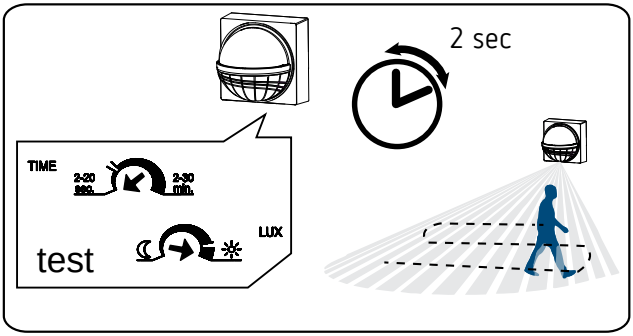
➤ Turn the time potentiometer (min.) counterclockwise up to the stop

➤ Turn the brightness potentiometer (lux) clockwise up to the stop

→ The motion detector now reacts to movements (independent of brightness).

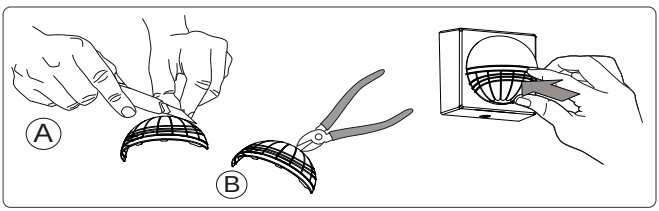
➤ Walk through the detection area at a right angle. After the motion detector has detected a movement, it switches on for 2 s.

ⓘ 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 µF)
Fluorescent lamps (EVG):	500 W
Compact fluorescent lamps (EVG):	80 W
LED lamps < 2 W:	30 W
LED lamps > 2 W:	500 W