

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

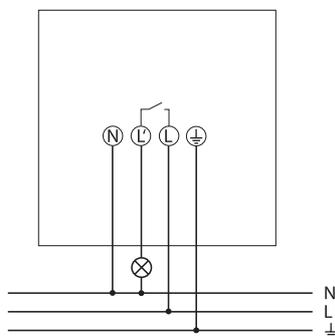


**WARNING**

**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

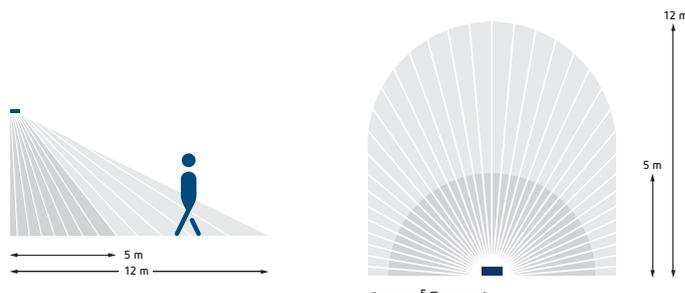


**WARNING**

**Danger of death through electric shock or fire!**

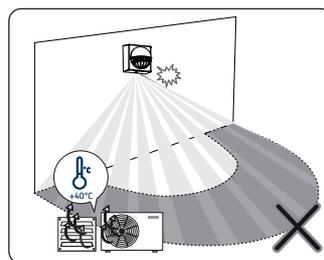
➤ Installation should only be carried out by a qualified electrician!

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

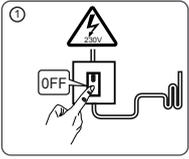


As the detector reacts to variations in temperature, avoid the following situations:

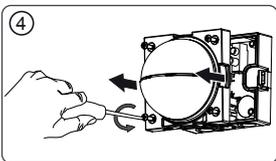
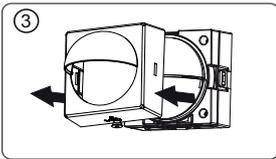
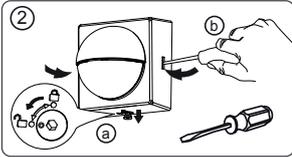
- ① Do not direct motion detectors at objects with highly-reflective surfaces such as mirrors, etc.
- ① Do not install the motion detector near heat sources, such as heating outlets, air conditioning systems, lamps, etc.
- ① Do not direct the motion detector at objects that move in the wind, such as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



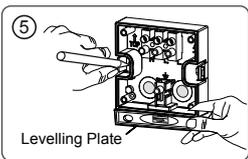
► Disconnect power source ①



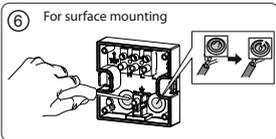
► Release lock (a) below and catch mechanism (b) laterally ② and remove the upper case parts ③ ④



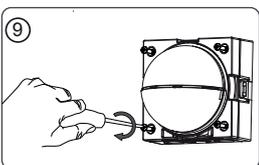
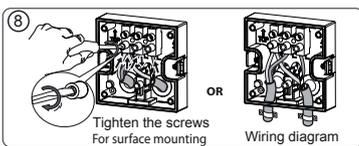
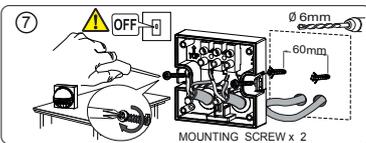
► Make marks for the holes and drill the holes ⑤



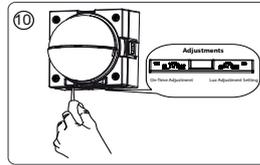
► Feed cable through the seal of the base ⑥



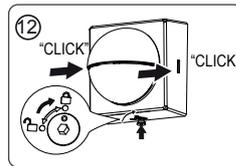
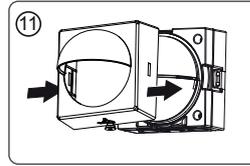
► Fix the base to the wall, connect the individual wires to the appropriate terminal ⑦ and tighten the screws ⑧



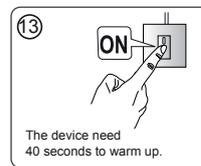
► Plug motion detector onto base ⑨ and make settings at the potentiometers ⑩



► Remove cover and close catch mechanism ⑪ ⑫

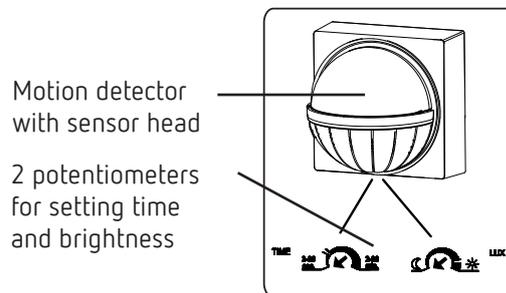


► Connect motion detector to power supply ⑬



⑬ The device needs 40 seconds of preheating time.

## 5. Description



## 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

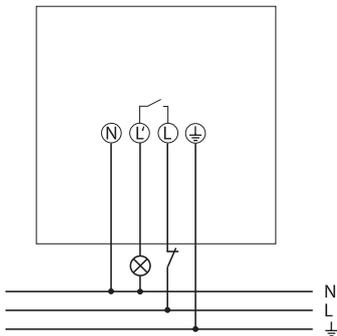


- Set the potentiometer to the desired time (2 s – 30 min)

## Manual operation

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

- 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



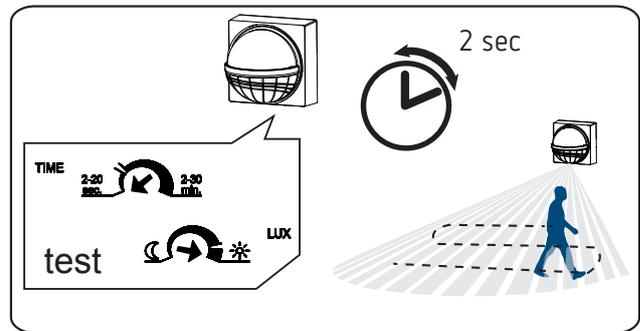
- Press the circuit breaker button twice briefly (max. 2)
  - The lighting remains switched on for 6 hours.
- In order to switch off the lighting and return to automatic mode, press the circuit breaker button briefly (max. 2 s)
- If the circuit breaker button is pressed twice during this 6-hour period,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

## 7. Walking test

### Performing the walking test

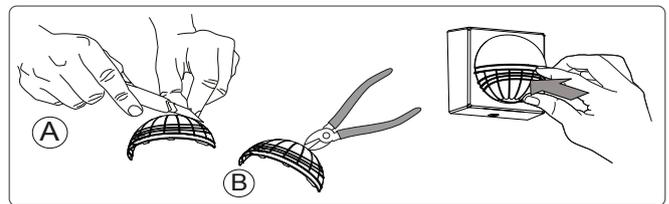
The walking test is used to test the detection area and to restrict it if necessary.

- 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, $\cos \varphi = 1$ )  |
| Min. switching capacity:                      | 10 mA                                    |
| Switch contact:                               | $\mu$ 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/ $\infty$                     |
| Duty cycle range:                             | 2 s – 30 min                             |
| Detection angle:                              | 180°                                     |
| Detection area:                               | lateral: max. 12 m,<br>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 $\mu$ 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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