

Installation and Operating Instruction for B.E.G. - Occupancy detectors PD4-M-1C/-S-GH-SM

1. Mounting preparations

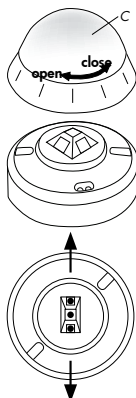
Work on the 230V mains supply may only be carried out by qualified professionals or by instructed persons under the direction and supervision of qualified skilled electrical personnel in accordance with electrical regulations.

Disconnect supply before installing!

The device is not suited for safe disconnection of the mains supply.

When in Master/Slave mode of operation, the Master-appliance must always be installed at the location where there is least daylight.

2a. Installation of the LUXOMAT® PD4-M-1C-GH-SM



The detector must be installed on a solid and level surface. The circular cover ring must be removed prior to assembly. To do this, twist the lens (C) anti-clockwise through approximately 5° and lift off.

Having connected up the wires in accordance with regulations, secure the detector with 2 screws. After installation replace the lens and lock (turn clockwise). Mains to be connected.

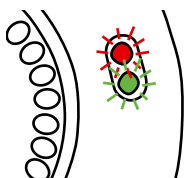
ATTENTION: Install the unit in such a manner that both markings on the housing are positioned in the longitudinal axis of the area to be monitored (e.g. high-bay corridors)

2b. Range in dependence from the mounting height

Mounting height	Range (circular detection) T=17°C	
	Walking across	
2.00 m	r = 7.50 m	Ø = 15.00 m
2.50 m	r = 9.00 m	Ø = 18.00 m
3.00 m	r = 11.00 m	Ø = 22.00 m
3.50 m	r = 13.00 m	Ø = 26.00 m
4.00 m	r = 15.00 m	Ø = 30.00 m
4.50 m	r = 17.00 m	Ø = 34.00 m
5.00 m	r = 18.50 m	Ø = 37.00 m
6.00 m	r = 18.50 m	Ø = 37.00 m
7.00 m	r = 18.50 m	Ø = 37.00 m
8.00 m	r = 22.00 m	Ø = 44.00 m
9.00 m	r = 22.00 m	Ø = 44.00 m
10.00 m	r = 22.00 m	Ø = 44.00 m

r=radius / Ø=diameter

2c. Self test cycle



The product enters an initial 60-second self-test cycle, when the supply is first connected. The occupancy detector is ready for operation.

During the selftest cycle, the following settings can be made:

Light stop active: (A)

Light off active: (B)

(see point 7)

3. Putting into operation / Settings

Factory settings

The PD4-M-1C-GH is preset with time setting 5 min. and twilight switch 1000Lux.

Attention:

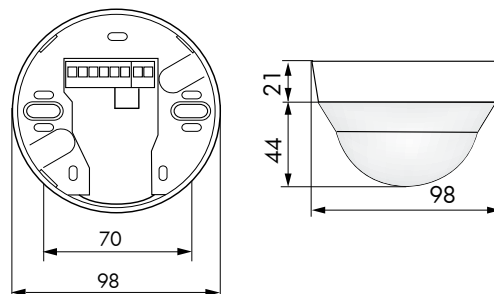
Changes to the settings can only be made by remote control IR-PD4-GH.

Pulse spacing PD-Slave

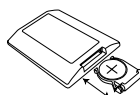
2 or 9 seconds can be set for the pause between 2 pulses sent to the master. The setting can be made with activated (●) or deactivated (○) LED indicator. For devices with a separate slave input, 2 sec. can be set.



5. PD4-M-1C-GH-SM - Dimensions



4. PD4-M-1C-GH: Settings carried out using remote control (optional)



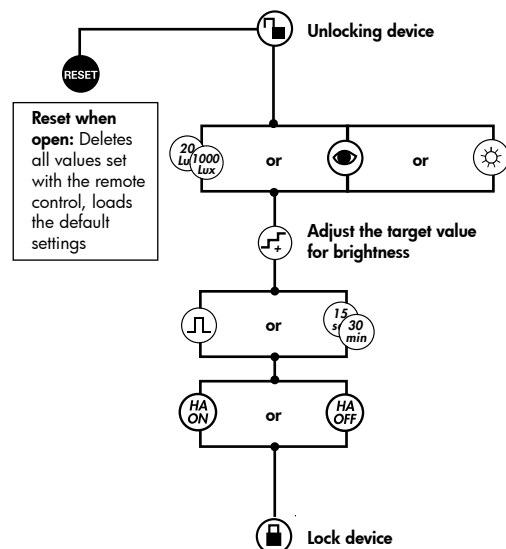
Remote control LUXOMAT® IR-PD4-GH

1. Check Battery:

Open battery compartment by pressing the plastic springs together and removing the battery-holder.

Settings for master with remote control

Settings for relay Channel 1:



Option:



IR-PD4-GH



Wall bracket for remote control IR-PD4-GH



IR-PD-Mini

Explanation of button functions



Target value for brightness



Automatic reading in of the current light value as a new target light value



Sun button - specified twilight value

Daytime operation



Lag time



Pulse function, fully automatic mode active



Switch between fully automatic/semi-automatic mode

Semi-automatic mode active: Red + green LEDs flash 3x every 5 seconds



Adjust the target value for brightness

to reach the calculated target value, increase the light value by approx. 50 lux each time the button is pressed



Test mode when closed:

exited automatically after 3 minutes



Test mode when open:

not exited automatically

To deactivate: press reset



Reset when closed

The lighting relay is switched off, i.e. opened and the lag times are reset.



Light on/off when closed

(A) The light remains on/off until movements are detected in the detection area. After the last detected movement, the light remains off for the duration of the set lag time. (B) If the "Light stop" function was activated in the selftest cycle, the light is switched off for 5 seconds (red and green LEDs flash). The device then returns automatically to the selected operating mode (fully or semi-automatic mode).

