

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 55/54 according to EN 60529 (depending on type of installation)

2. Proper use

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

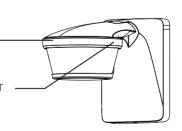
Disposal

➤ Dispose of device in environmentally sound manner.

3. Description

Motion detector with sensor head

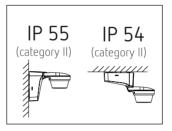
3 potentiometers for setting time (min), brightness (lux) and sensitivity (metres)



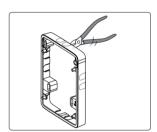
4. Connection

- ➤ Disconnect power source!
- ➤ Ensure device cannot be switched on!
- ➤ Check absence of voltage!
- ➤ Earth and bypass!
- > Cover or shield any adjacent live components.
- ➤ D1, D2: Suited for switching FELV or a voltage of the same phases as L.

5. Installation

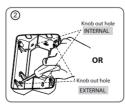




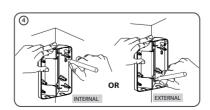


➤ If applicable, use optional corner bracket (9070904, 9070905) or spacer frame (9070908, 9070909) for flexible installation as well as cable entry from side or top/bottom.

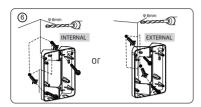


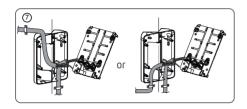














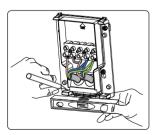




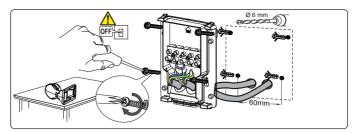




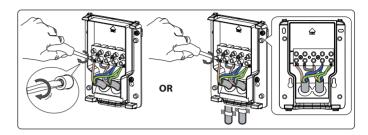
➤ Disconnect power source.



- ➤ Make marks for the holes on the wall (with enclosed drill template/base).
- ➤ Drill holes.



- > Feed cable through the seal of the base.
- > Fasten base (and spacer frame) to the wall.



L	Phase	brown
N	Neutral conductor	blue
⊕	Earthing conductor	green/yellow

D1, D2	Relay contact	brown
N		blue
⊕		green/yellow

- ➤ Connect the individual wires to the appropriate terminal.
- ➤ Tighten screws.

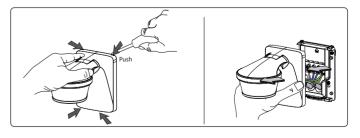


➤ Plug motion detector onto base and engage.



➤ Connect motion detector to power supply.

Dismounting

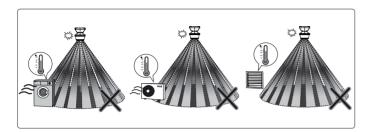


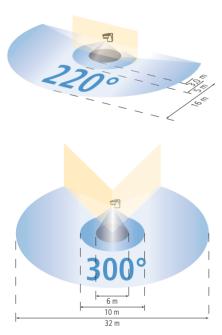
➤ Using the screwdriver, carefully loosen the upper and lower snap-fits and pull the device away in a forward direction.

Installation instructions

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

- ➤ Do not direct motion detectors at objects with highlyreflective 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.





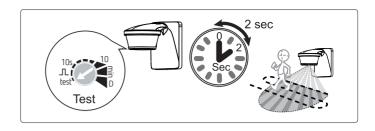
- Recommended installation height: 2 4 m
- Transverse detection area: 16 m (transversal to the detector)
- Frontal detection area: 5 m (directly approaching the detector)
- Detection angle: 220° or 300°

Walking test and alignment

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

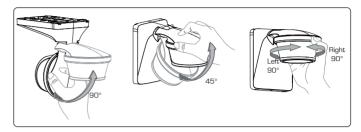
- ➤ Set the potentiometer time (min) to test.

 The motion detector now only 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.

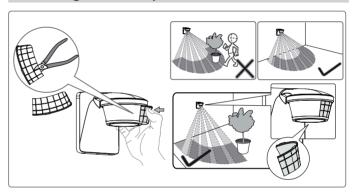


Align motion detector with sensor head

The sensor head can be turned by 45° downwards, 90° upwards, and 90° to the left and right.



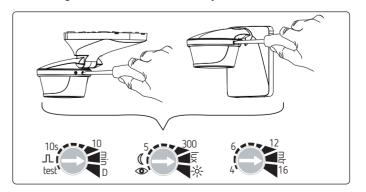
7. Using cover clips



- ➤ Use the supplied clips, to adjust the motion detector to the desired detection area.
- > Remove the required section of the clips by using pliers or the like
- ➤ Then place on the lens and screw it in.
- ➤ When required, use the provided double sided adhesive tape for fastening the cover clips.

8. Setting

The motion detector has 3 potentiometers for setting time (min.), brightness (lux) and sensitivity (metres), etc.

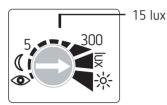


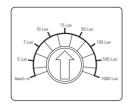
Setting the brightness (lux)

You can set different brightness values (lux) with the potentiometer.

If you want to change the preset brightness (15 lux default)

➤ set the potentiometer to the desired brightness (5 - 1000 lux)





or want a specific brightness value to be learned using the teach-in function:

- ➤ At the desired brightness, set the potentiometer to ◆.

 The new value will be learned after 15 s.
- ➤ Leave the potentiometer at position ◆.

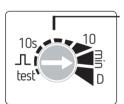
Setting the time (min)

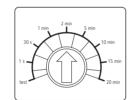
If the motion detector detects no further movement, it switches off after the set time.

If you want to change the preset time (2 min default)

2 min

> set the potentiometer to the desired time (1 s - 20 min).





If you want to use the pulse function (e.g. for a staircase light timer switch)

➤ set the potentiometer to JL. The motion detector is switched on for < 1 s, then off for 9 s. If it detects a movement again, it switches on again for 1 s.

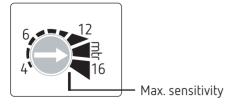
Setting "twilight switch" function D

➤ Set potentiometer to position D. Motion detector only reacts to brightness and is always on when the set brightness value has not been reached.

Setting the sensitivity (meters)

You can reduce the sensitivity; this also reduces the detection area.

> Set potentiometer metres to the desired sensitivity.

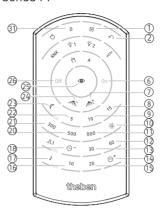


9. Settings with remote control

You can also enter the settings with remote controls the Senda P and the Senda S.

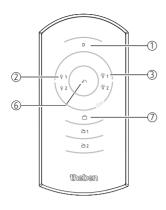
Settings using the Senda P (9070910)

The following parameters or functions can be set with the-Senda P:



Test Test mode, ends after 10 min Auto return to Automatic mode Switch on light (8 hrs) Range + Increase sensitivity Range + Increase sensitivity Inc			
6 On Switch on light (8 hrs) 7 Range + Increase sensitivity 8 15 lux Brightness setpoint value 15 lux 9 10 lux Brightness setpoint value 10 lux 10 Lux On Deactivation of brightness measurement 11 800 lux Brightness setpoint value 800 lux 12 60 s Lighting time delay 60 s 13 30 s Lighting time delay 30 s 14 max. time max. lighting time delay, 20 min 15 20 min Lighting time delay 20 min 16 10 min Lighting time delay 2 min 17 2 min Lighting time delay 2 min 18 min. time min. lighting time delay, 10 s 20 500 lux Brightness setpoint value 500 lux 21 300 lux Brightness setpoint value 300 lux 22 5 lux Brightness setpoint value 5 lux 23 min. lux min. brightness setpoint value, 1 lux 24 Range — Reduce sensitivity 25 Teach-in Teaching in the brightness setpoint value	1	Test	Test mode, ends after 10 min
Range + Increase sensitivity Brightness setpoint value 15 lux 10 Lux On Deactivation of brightness measurement 10 800 lux Brightness setpoint value 800 lux 10 60 s Lighting time delay 60 s 13 30 s Lighting time delay 30 s 14 max. time max. lighting time delay, 20 min 15 20 min Lighting time delay 20 min 16 10 min Lighting time delay 10 min 17 2 min Lighting time delay 2 min 18 min. time min. lighting time delay, 10 s 20 500 lux Brightness setpoint value 500 lux 21 300 lux Brightness setpoint value 500 lux 22 5 lux Brightness setpoint value 5 lux 23 min. lux min. brightness setpoint value, 1 lux 24 Range — Reduce sensitivity 25 Teach-in Teaching in the brightness setpoint value	2	Auto	return to Automatic mode
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17 2 min Lighting time delay 2 min 18 min. time min. lighting time delay, 10 s 20 500 lux Brightness setpoint value 500 lux 21 300 lux Brightness setpoint value 300 lux 22 5 lux Brightness setpoint value 5 lux 23 min. lux min. brightness setpoint value, 1 lux 24 Range — Reduce sensitivity 25 Teach-in Teaching in the brightness setpoint value 26 Off Switch off light	15)	20 min	Lighting time delay 20 min
min. time min. lighting time delay, 10 s	16	10 min	Lighting time delay 10 min
Soo lux Brightness setpoint value 500 lux	17)	2 min	Lighting time delay 2 min
300 lux Brightness setpoint value 300 lux 22	18	min. time	min. lighting time delay, 10 s
22 5 lux Brightness setpoint value 5 lux	20	500 lux	Brightness setpoint value 500 lux
min. lux min. brightness setpoint value, 1 lux Range – Reduce sensitivity Teach-in Teaching in the brightness setpoint value Switch off light	21)	300 lux	Brightness setpoint value 300 lux
Range - Reduce sensitivity Teach-in Teaching in the brightness setpoint value Off Switch off light	22	5 lux	Brightness setpoint value 5 lux
Teach-in Teaching in the brightness setpoint value Off Switch off light	23	min. lux	min. brightness setpoint value, 1 lux
26 Off Switch off light	24)	Range –	Reduce sensitivity
	25	Teach-in	Teaching in the brightness setpoint value
3) D mode Twilight switch (motion detector deactivated)	26	Off	Switch off light
	31)	D mode	Twilight switch (motion detector deactivated)

Settings by using the Senda S (9070911)



1	D mode	Twilight switch (motion detector deactivated)
2	Off	short button push -> switches off the light
3	On	short button push -> switches on the light
6	Auto	return to Automatic mode
7	Holiday mode	Presence simulation

Holiday mode

The holiday mode is a presence simulation, which is intended to prevent burglary during temporary absence.

10. Technical data

• Operating voltage: 230 V AC, +10 % - 15 %

• Frequency: 50 Hz • Standby output: 0.3 W • Detection angle: 220°, 300°

• Detection area: transverse: max. 16 m,

frontal: max. 5 m

• Installation height: $2 - 4 \, \text{m}$

• Creep under protection: yes

• Brightness setting range: 5-1000/∞ lux • Duty cycle range: 1 s - 20 min

• Permissible ambient

temperature: -25 °C to +45 °C

• Protection class:

• Protection rating: IP 55 (wall mounting) and

> IP 54 (ceiling installation) (category II) according to

EN 60529

• Switching capacity: 10 A ($\cos \varphi = 1$)

10 AX ($\cos \varphi = 0.3$)

• Min. switching capacity: 24 V/100 mA

• Switching contact: u-contact 230 V AC

• LED lamps < 2 W: 60 W • LED lamps > 2 W: 600 W • Incandescent and halogen

lamp load: 2300 W

• Low-voltage halogen

lights: 2300 VA

• Fluorescent lamps VVG:

uncorrected: 2300 VA series-corrected: 2300 VA

parallel-corrected: 1300 VA (140 µF)

• Fluorescent lamps EB: 1200 W • Compact fluorescent lamps EB: 300 W

11. Contact

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