310481 01



1.	Basic safety information	3
2.	Proper use	3
	Disposal	3
3.	Description	4
4.	Connection	4
5.	Installation	5
	Dismounting	10
	Installation instructions	10
6.	Walking test and alignment	12
	Align motion detector with sensor head	12



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



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.
- D1, D2: Suited for switching FELV or a voltage of the same phases as L





The device can be manually activated with a circuit breaker. After releasing the button (return of power) the device switches on (for at least 40 secs or for the time set on the device).





 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
Ν		blue
۲		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°

6. 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)

➤ 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.</p>



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.





Max. sensitivity

9. Settings with remote control

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

Settings using theSenda P (9070910)

The following parameters or functions can be set with theSenda P:





1	Test	Test mode, ends after 10 min
2	Auto	return to Automatic mode
6	On	Switch on light (8 hrs)
\bigcirc	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 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 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	
31	D mode	Twilight switch (motion detector deactivated)	



Settings by using theSenda 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
\bigcirc	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: m	iax. 16 m,	
	frontal: max.	5 m	
 Installation height: 	2 – 4 m		
• Creep under protection:	yes		
• Brightness setting range	:5-1000/∞I	ux	
• Duty cycle range: 1 s – 2	20 min		
• Permissible ambient tem	perature: -2	5 °C to +45 °C	
 Protection class: 	П		
• Protection rating: IP 55 (wall mounting) and	
IP 54 (ceiling installation)		
(category II) according to	EN 60529		
 Switching capacity: 	10 A (cos φ =	= 1)	
	10 AX (cos ϕ	= 0.3)	
• Min. switching capacity:	24 V/100 m/	Ą	
 Switching contact: 	µ-contact 23	O V AC	
• LED lamps < 2 W	60 W		
• LED lamps >2 W < 8 W	180 W		
• LED lamps > 8 W	200 W		
• Incandescent and haloge	en 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

Theben AG Hohenbergstr. 32 72401 Haigerloch GERMANY Phone +49 7474 692-0 Fax +49 7474 692-150

Hotline Phone +49 7474 692-369 Fax +49 7474 692-207 hotline@theben.de Addresses, telephone numbers, etc. www.theben.de

