



## Occupancy and motion detectors Catalogue

# Legend



	Power supply
	Parametrisation
	Typ. power input
	Dimensions
	Power consumption
	Angle of detection
	Range
	Mounting height min./ max./ recommended
	Degree / class of protection
	Ambient temperature
	Housing
	Cable length
	DALI output
	Follow-up time
	Switch-on threshold / Brightness set value
	Switching power
	Orientation light
	Connection type
	Radio frequency
	Microwave frequency
	1-10 V dimming outputs
	Slave output voltage
	Slave pulse interval
	Impulse function
	Analogue output of the temperature change
	KNX BUS connection
	LON BUS connection
	Burn-in function
	Orientation light
	Nightlight
	Switch-on delay
	Switch-off delay
	Acoustic field
	HCL
	Monitored area



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**1975**

The foundation stone of our comprehensive range was the development and production of emergency lights.

**1986**

B.E.G. was one of the first companies in Germany to produce motion detectors and automatic lighting. The trademark LUXOMAT® was registered for these products.

**Energy-efficient products  
combined with tradition**

For 45 years, the internationally operating family-owned company Brück Electronic, headquartered in Lindlar, has stood for quality and innovation. Since the beginning, our employees are focused on satisfying customers.

**1979**

A fire destroyed the entire company building overnight, the administration and production had to be rebuilt.

**1999**

The first B.E.G. branch was established in France. Since then, the number of branches has been steadily increased.





## Company history



**2000**

Development of the first occupancy detectors with brightness sensors for daylight-dependent lighting control. Since then, the product range of detectors for daylight and presence-dependent lighting control has been continuously expanded.

**2014**

The new administration and training centre was built next to the production and distribution centre.

**2020**

On the occasion of the company's anniversary, the central warehouse in Lindlar is extended by 2000 sqm to handle the distribution of 2 million products per year.

**2017**

The former administrative headquarters of B.E.G. is being converted into a research and development centre with its own light laboratory.

**2007**

Inauguration of the European distribution and logistics centre.



## Compact overview

### Page numbers for occupancy and motion detectors according to their designation

Detector \ Type	1C (12-48V)	2C	M-1C (LED)	M-2C (12-48V)	M-2C- DUO	M-3C- TRIO	M- DIM	M-DIM- HVAC	M-DUO- DIM	M-TRIO- DIM	DALI (DAA4G)	DALI- 1C	DUO- DALI	TRIO- DALI	DALI LINK	BMS	S	HF
RC-plus next N 130	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RC-plus next N 230	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RC-plus next N 280	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-plus 280	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Click-N 140	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Click-N 200	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Mini 120	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Mini 180	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD2/PD2N	-	-	39,51	52,59	60	-	63	-	-	-	75	81,82	-	-	-	101	111	-
PD3N	23,25	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD3N-Micro	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4/PD4N	27	-	40	53	57	58	64	70,71	68	69	76,89, 91	83,84	85	86,87, 88	96	102	90,112	-
PD4-C-PS	-	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-DS	-	-	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-C/PD4N-C	29	-	41	54	-	-	65	-	-	-	77	-	-	-	-	103	113	-
PD4-GH	-	-	44	-	-	-	-	-	-	-	78	-	-	-	-	104	114	-
PD4-TRIO-C-3P	-	-	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD9-DIGI	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD9	31,35	-	45	56	-	-	66	72	-	-	79	-	-	-	-	-	115	-
PD9-GH	32	-	46	-	-	-	67	-	-	-	80	-	-	-	-	-	116	-
PD9-SDB	-	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	117	-
PD9-SDB-GH	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	118	-
PICO	-	-	49	-	-	-	-	-	-	-	-	-	-	-	-	105	119	-
PD11	-	-	50	-	-	-	-	-	-	-	-	-	-	-	95	106	120	-
BL2	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BL4	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BL4-C	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 140-L	161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180	-	-	-	162	-	-	-	-	-	-	-	-	-	-	-	107	163	-
Indoor 180-R	155,159	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180-T	156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180-R-2D	157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180-TR	158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HF-MD1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	167
HF-MD2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168
HF-H-MD1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	169
HF-MD3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170
HF-MD4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	171
HF-MD6-C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	172



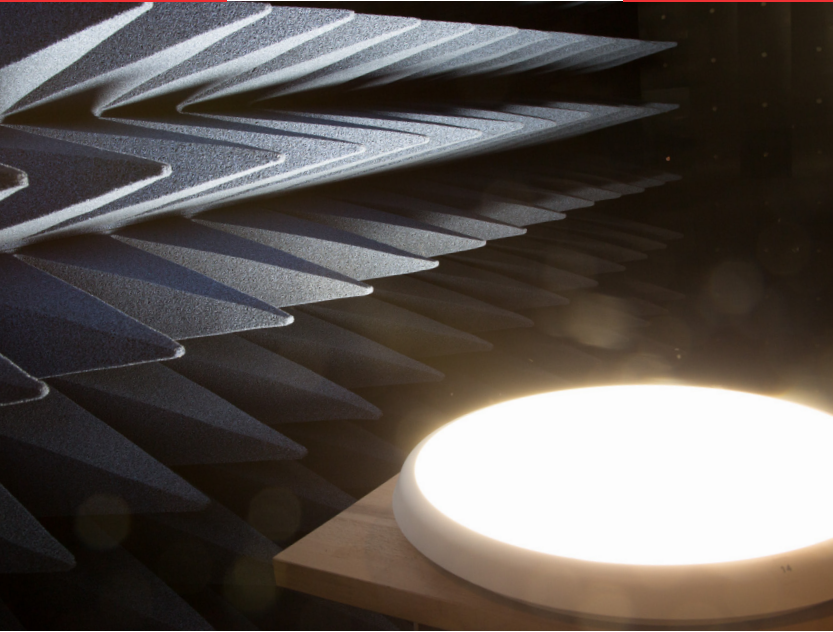
## Page numbers for networkable products according to their designation

Detector \ Type	KNX-BA	KNX-ST	KNX-DX	LON	LTMS
RC-plus next N 230	–	–	130	–	–
PD2N	123	126	131	141	145,146
PD4N	–	127	132	142	147
PD4N-C	–	–	133	–	–
PD4N-GH	–	–	134	–	–
PD9	–	–	135	143	–
PD9-GH	–	–	136	–	–
PICO	–	–	137	–	–
PD11-FLAT	124	128	138	–	148
Indoor 140-L	–	–	139	–	–
Indoor 180	125	129	140	144	–

## Page numbers for twilight switches according to their designation

Detector \ Type	1C	DALI	DIM	DIN rail
CdS-T	175	–	–	–
CdS	176,177	183	181	–
CdS-R	178	–	–	–
CdS-LC	180	–	–	–
TS-DD	–	–	–	179
MiniClip LR1	182	–	–	–

## Development and production



### EMC chamber for professional quality assurance

- In our in-house EMC laboratory, the technical team tests products for electromagnetic emission and susceptibility. B.E.G. thus ensures that products do not produce high levels of electromagnetic radiation and that emissions from other devices such as smartphones do not affect the reliability of B.E.G. products.
- In the climate chamber, the B.E.G. quality testers expose products to temperatures from -50 to +50 °C for long periods. This tests the products' temperature resistance under extreme conditions.
- Lastly, a B.E.G. quality product has to undergo impact and IP testing, in which the robustness of the case and the reliability of the seals are examined in minute detail.
- These elaborate test procedures mean that the meticulous experts at B.E.G. can ensure that their products always meet the company's highest quality requirements. On that you can rely!

### Flexibility in developing new products

- The B.E.G. CAD department uses 3D printing techniques in the production of prototypes, to develop precise and testable objects.
- Layer by layer, the three-dimensional test models are printed to match the exact specifications of computer-designed objects.
- Then the tools for series production are created or existing tools are modified. The use of extremely robust plastics and high-quality electronic components is a cornerstone for the extraordinary longevity of B.E.G. products.





## High-quality detector technology

### Motion detector technology

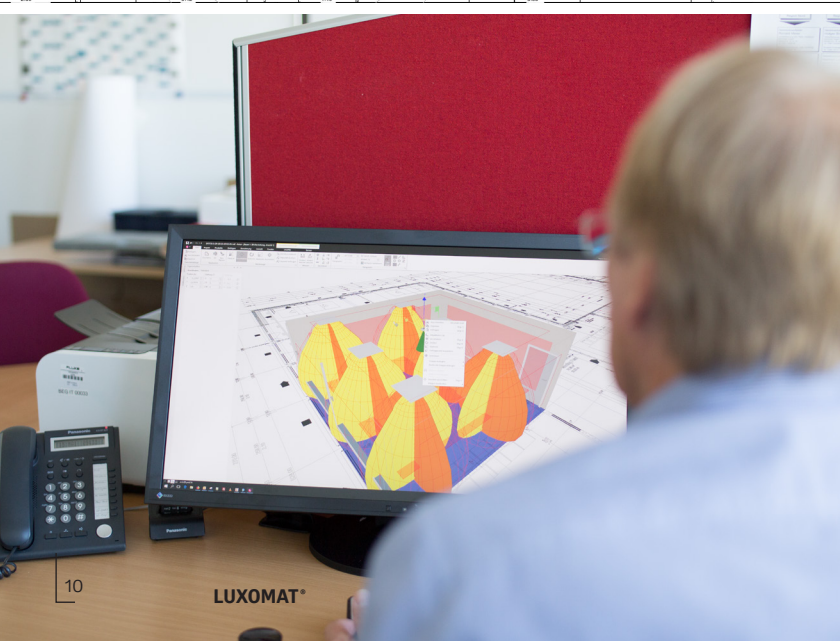
- Luminaires and spotlights with high-performance motion detectors are optimised for time-efficient and simple fitting. Detectors are individually adjustable for optimum setup of the detection area, so that for example the street is not covered when installation is on the outside of a property.
- Motion detectors are designed to reliably detect moving sources of heat in their detection area. According to the current ambient light level, they automatically switch the light on when movement is detected. If movement is no longer detected, the detector switches the light off again after the follow-up time previously configured.
- This is made possible by Passive Infrared (PIR) technology: The detection area of the motion detector is divided into many small sub-areas. The detector measures heat radiation in these sub-areas, e.g. the heat given off by a living being. If temperature differences occur in several sub-areas due to movement, these are recognised by the PIR sensor built into the motion detector. The sensor itself does not emit any infrared and is therefore described as passive.
- If requirements should change, settings can be adjusted according to needs. Instead of the potentiometers, it is even easier to adjust the settings using a suitable B.E.G. remote control.
- B.E.G. stands for decades of experience in developing motion detectors and automatic luminaires, and for high levels of quality and reliability. This means B.E.G. lights and spotlights with motion detection technology provide the perfect combination of security, convenience and energy saving.

### Biodynamic presence detector technology (HCL)

- The PD4-M-HCL bidirectional occupancy detector with integrated DALI controller and "Tunable White" function for "Human Centric Lighting" regulates different lighting groups according to occupancy and daylight levels, and also has daylight-dependent control of brightness and colour temperature using a real-time clock.



## Design support



## Service and information for designers

- We provide the right solution for a wide range of requirements. If the right product is not available, then we will offer a special solution, tailor-made for your project. Our years of experience and the excellent quality of our products make us the experts in intelligent building automation.
- On our website, you can find the photometric information for all lights in LDT format for import into light design programs such as DIALUX or RELUX.
- We support you at every stage. Our in-house planning department can produce for you, without obligation, a plan for a suitable lighting control system with specific mounting locations for motion and occupancy detectors.
- Our field operatives are all experts and undergo regular training. Therefore you will always have a capable contact at your side, even beside you on location or at the construction site.
- Our in-house staff are highly trained and will be delighted to give advice regarding your order. And your point of contact will always be happy to discuss product questions and suggest solutions.
- Our products are available exclusively through electrical wholesalers. Thanks to our long-term collaboration, wholesaler staff can in most cases help you with questions on B.E.G. products.

**General application – special, property-specific requirements must be observed.**



# LUXOMAT® Motion detector for outdoor use

## Motion detectors with modern sensor technology

LUXOMAT® RC-plus next and LC-plus 280 – these B.E.G. exterior motion detectors offer security and convenience in the areas that they cover. They can quickly and easily be adjusted to requirements on the spot: adjustment elements for mechanical range adaption and potentiometers for lux value (switch-on threshold) and time adjustment are located underneath the sensor head.

Blinds can be used to restrict the detection area so that only the desired area is covered. For example, they can be used to filter out a side road leading past the area. If requirements should change, settings can be altered according to demand.

For more convenience compared to a potentiometer, changes of settings and activation of additional functions can be made by the optional LUXOMAT® IR-RC or IR-LC-plus remote controllers. Changes can therefore be made without the inconvenience of climbing a ladder. Adjustments to changes in requirements can be accomplished with a few button presses.



## Detector overview

### Overview motion detectors for outdoor use

Motion detector	Page	Part number	Wall mounting	Ceiling mounting	Outdoor corner mounting	Motion detection	Remote controlcapable	Range	Detection angle
RC-plus next N 130	13	93321 – white 93324 – brown 93323 – black	■	■	□	■	■	20 m	130°
RC-plus next N 230	14	93331 – white 93334 – brown 93333 – black 93346 – silver	■	■	□	■	■	20 m	230°
RC-plus next N 280	15	93341 – white 93344 – brown 93343 – black	■	■	■	■	■	20 m	280°
LC-plus 280	16	91008 – white 91018 – brown 91028 – black 91048 – silver	■	—	■	■	■	16 m	280°
LC-Click-N 140	17	91001 – white 91011 – brown 91021 – black	■	—	—	■	—	12 m	140°
LC-Click-N 200	18	91002 – white 91012 – brown 91022 – black	■	—	—	■	—	12 m	200°
LC-Mini 120	19	91051 – white 91071 – black	■	—	—	■	—	10 m	120°
LC-Mini 180	20	91052 – white 91072 – black	■	—	—	■	—	10 m	180°

□ Accessory required

### RC-plus next N – The premium class

#### Mounting types

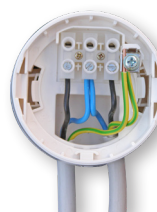


#### Special features

Cover clips and cover



Concealed potentiometers for follow-up time and lux value as well as mechanical adjustment means for adaption of detection range



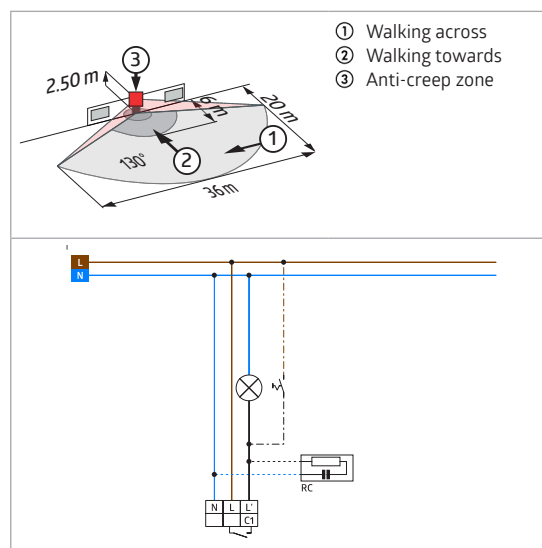
Cable entry from above, below or behind



## Outdoor motion detectors

### Product and accessory

Description	Colour	Part no.
RC-plus next N 130	white mat, similar to RAL9010	93321
RC-plus next N 130	black mat, similar to RAL9005	93323
RC-plus next N 130	brown mat, similar to RAL8014	93324
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-RC	-	92000
IR-RC-LD	-	92649
IR-RC-Mini	-	92090
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Outside corner socket RC-plus next	white	97004
Outside corner socket RC-plus next	brown	97014
Outside corner socket RC-plus next	black	97024
Outside corner socket RC-plus next	silver	97043
Inside corner socket RC-plus next	white	97005



### Product Information

- Motion detector with 130° detection area and anti-creep zone
- Mechanical range adjustment
- Different follow-up time depending on direction of movement
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Adjustable ball head
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Socket compatible to RC-plus (next) and Vario
- Easy mounting thanks to plug base
- Wall, ceiling and corner mounting
- Factory settings 3 min and 20 lux

### Technical Data

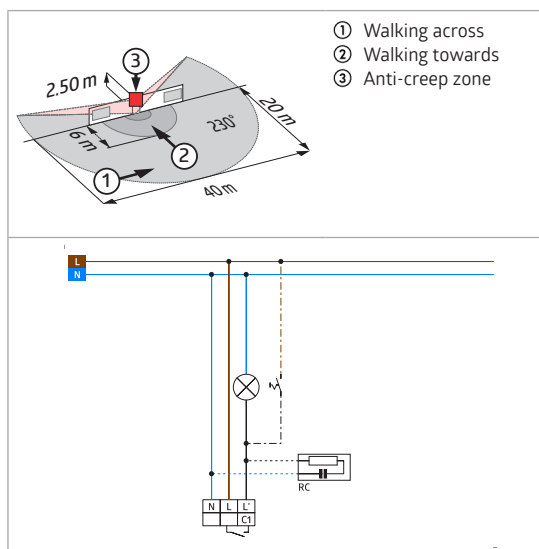
- ① 110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)
- ② 121 × 71 × 85 mm
- ③ approx. 0.5 W
- ④ horizontal 130° (Wall mounting)
- ⑤ max. 20 m across; max. 6 m towards; max. 4 m anti-creep protection
- ⑥ 450 m² / 2.5 m mounting height
- ⑦ 2 m / 5 m / 2.5 m
- ⑧ IP54 / Class II
- ⑨ -25 °C to +50 °C
- ⑩ polycarbonate, UV-resistant
- ⑪ **Channel 1 (lighting control)**
- ⑫ 3000 W,  $\cos \varphi = 1$ ; 1500 VA,  $\cos \varphi = 0.5$ ; 300 W LED;
- ⑬ max. inrush current  $I_p$  (20 ms) = 165 A; max. inrush current  $I_p$  (200 μs) = 800 A
- ⑭ 1x μ-contact, NO contact with tungsten pre-make contact
- ⑮ 15 sec – 16 min, Pulse
- ⑯ 2 – 2000 Lux



# Outdoor motion detectors

## Product and accessory

Description	Colour	Part no.
RC-plus next N 230	white mat, similar to RAL9010	93331
RC-plus next N 230	black mat, similar to RAL9005	93333
RC-plus next N 230	brown mat, similar to RAL8014	93334
RC-plus next N 230	silver mat, similar to RAL9006	93346
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-RC	-	92000
IR-RC-LD	-	92649
IR-RC-Mini	-	92090
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Outside corner socket RC-plus next	white	97004
Outside corner socket RC-plus next	brown	97014
Outside corner socket RC-plus next	black	97024
Outside corner socket RC-plus next	silver	97043
Inside corner socket RC-plus next	white	97005



## Product Information

- Motion detector with 230° detection area and anti-creep zone
- Mechanical range adjustment
- Different follow-up time depending on direction of movement
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Adjustable ball head
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Socket compatible to RC-plus (next) and Vario
- Easy mounting thanks to plug base
- Wall, ceiling and corner mounting
- Factory settings 3 min and 20 lux

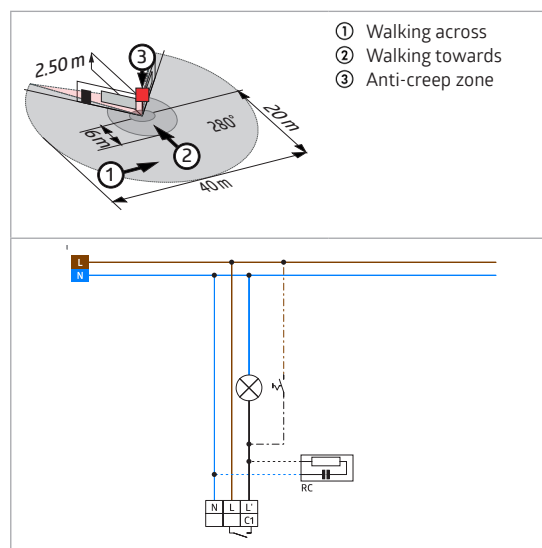
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)
- 📏 121 x 71 x 85 mm
- ⚡ approx. 0.5 W
- 📐 horizontal 230° (Wall mounting)
- ⚠ max. 20 m across; max. 6 m towards; max. 4 m anti-creep protection
- 📏 800 m² / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- 📏 IP54 / Class II
- 🌡 -25 °C to +50 °C
- 📏 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 💡 3000 W,  $\cos \varphi = 1$ ; 1500 VA,  $\cos \varphi = 0.5$ ; 300 W LED;
- ⚡ max. inrush current  $I_p$  (20 ms) = 165 A; max. inrush current  $I_p$  (200  $\mu$ s) = 800 A
- 🔌 1x  $\mu$ -contact, NO contact with tungsten pre-make contact
- 🕒 15 sec – 16 min, Pulse
- ☀ 2 – 2000 Lux

## Outdoor motion detectors

### Product and accessory

Description	Colour	Part no.
RC-plus next N 280	white mat, similar to RAL9010	93341
RC-plus next N 280	black mat, similar to RAL9005	93343
RC-plus next N 280	brown mat, similar to RAL8014	93344
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-RC	-	92000
IR-RC-LD	-	92649
IR-RC-Mini	-	92090
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Outside corner socket RC-plus next	white	97004
Outside corner socket RC-plus next	brown	97014
Outside corner socket RC-plus next	black	97024
Outside corner socket RC-plus next	silver	97043
Inside corner socket RC-plus next	white	97005



### Product Information

- Motion detector with 280° detection area and anti-creep zone
- Mechanical range adjustment
- Different follow-up time depending on direction of movement
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Adjustable ball head
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Socket compatible to RC-plus (next) and Vario
- Special socket for external corner mounting included
- Easy mounting thanks to plug base
- Wall, ceiling and corner mounting
- Factory settings 3 min and 20 lux

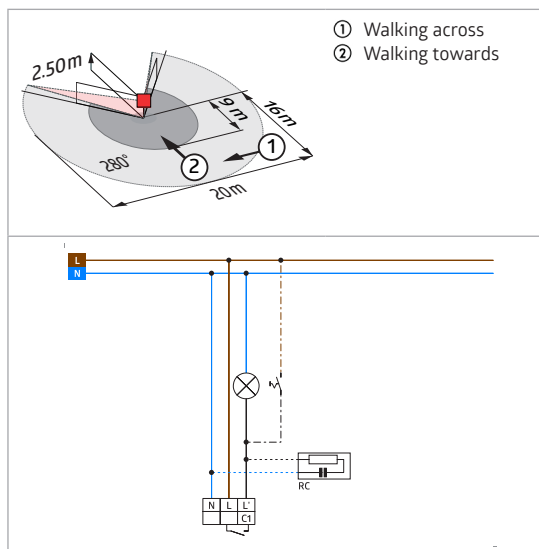
### Technical Data

- ① 110 – 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages ON request)
- 121 × 71 × 85 mm
- approx. 0.5 W
- horizontal 280° (Wall mounting)
- max. 20 m across; max. 6 m towards; max. 4 m anti-creep protection
- 970 m² / 2.5 m mounting height
- 2 m / 5 m / 2.5 m
- IP54 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 3000 W,  $\cos \varphi = 1$ ; 1500 VA,  $\cos \varphi = 0.5$ ; 300 W LED;
- max. inrush current  $I_p$  (20 ms) = 165 A; max. inrush current  $I_p$  (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 15 sec – 16 min, Pulse
- 2 – 2000 Lux

# Outdoor motion detectors

## Product and accessory

Description	Colour	Part no.
LC-plus 280	white mat, similar to RAL9010	91008
LC-plus 280	brown mat, similar to RAL8014	91018
LC-plus 280	black mat, similar to RAL9005	91028
LC-plus 280	silver mat, similar to RAL9022	91048
Blinds LC-plus 280	transparent	32698
IR-Adapter for Smartphones	black	92726
IR-LC-plus	-	92095
BLE-IR-Adapter	black	93067
IR-LC-Mini	-	92093
Wire basket BSK (Ø 164 x 143 mm)	white	92467



## Product Information

- Motion detector with downward detection for gapless monitoring
- Adjustable ball head
- Additional functions can be set up using the optional remote control.
- Easy mounting thanks to plug-in base
- Detection area can be restricted with blinds
- Special socket for external corner mounting included
- Factory settings 3 min and 20 lux

## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓛ 110 × 68 × 78 mm
- Ⓢ approx. 0.24 W
- Ⓢ horizontal 280° (Wall mounting)
- Ⓢ max. 16 m across; max. 9 m towards
- Ⓢ 620 m² / 2.5 m mounting height
- Ⓢ 2 m / 3 m / 2.5 m
- Ⓢ IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2000 W, cos φ = 1; 1000 VA, cos φ = 0.5; 300 W LED
- Ⓢ 1x µ-contact, NO contact
- Ⓢ 15 sec – 16 min, Pulse
- Ⓢ 2 – 2500 Lux



# Outdoor motion detectors

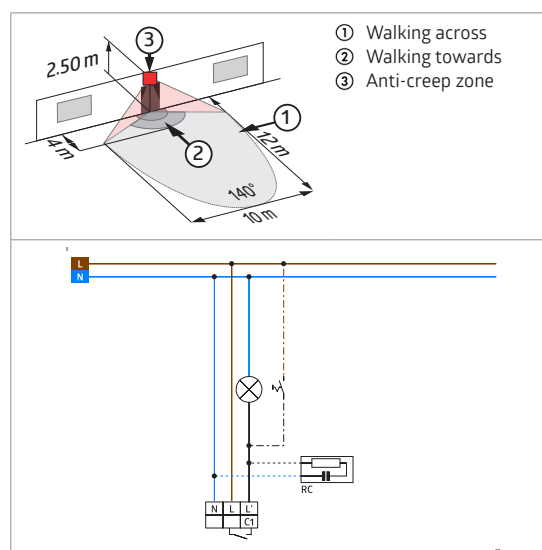
## Product and accessory

Description	Colour	Part no.
LC-Click-N 140	white mat, similar to RAL9010	91001
LC-Click-N 140	brown mat, similar to RAL8014	91011
LC-Click-N 140	black mat, similar to RAL9005	91021
Wire basket BSK (Ø 164 x 143 mm)	white	92467



## Product Information

- Motion detector with 140° detection area and 180° anti-creep zone
- Adjustable ball head
- Detection area can be restricted with blinds
- Zero crossing switching
- Simple mounting thanks to plug base
- Cable entry possible from above, from below and from behind
- Can be mounted on standard flush-mount boxes



## Technical Data

- Ⓜ 110 – 240 V AC 50 / 60 Hz
- Ⓜ 103 × 78 × 80 mm
- Ⓜ approx. 0.4 W
- Ⓜ horizontal 140° (Wall mounting)
- Ⓜ max. 12 m across; max. 4 m towards; max. 2 m anti-creep protection
- Ⓜ 170 m² / 2.5 m mounting height
- Ⓜ 2 m / 3 m / 2.5 m
- Ⓜ IP54 / Class II
- Ⓜ -25 °C to +50 °C
- Ⓜ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓜ 1000 W, cos φ = 1; 500 VA, cos φ = 0.5; 200 W LED
- Ⓜ 1x µ-contact, NO contact
- Ⓜ 4 sec – 20 min
- Ⓜ 2 – 2000 Lux

## Outdoor motion detectors

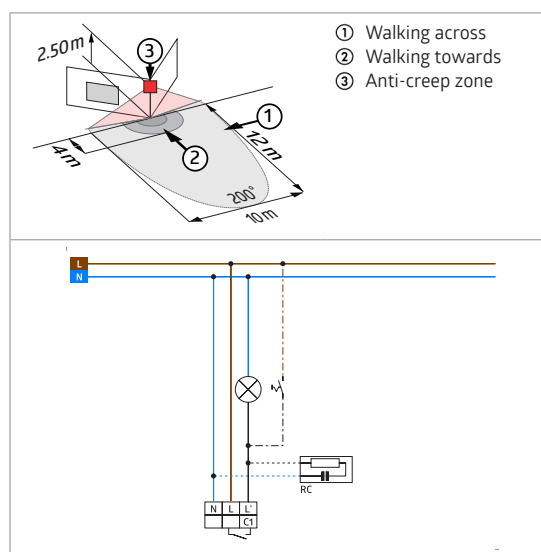
### Product and accessory

Description	Colour	Part no.
LC-Click-N 200	white mat, similar to RAL9010	91002
LC-Click-N 200	brown mat, similar to RAL8014	91012
LC-Click-N 200	black mat, similar to RAL9005	91022
Wire basket BSK (Ø 164 x 143 mm)	white	92467



### Product Information

- Motion detector with 200° detection area and 180° anti-creep zone
- Adjustable ball head
- Detection area can be restricted with blinds
- Zero crossing switching
- Simple mounting thanks to plug base
- Cable entry possible from above, from below and from behind
- Can be mounted on standard flush-mount boxes



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ 103 × 78 × 80 mm
- Ⓢ approx. 0.4 W
- Ⓢ horizontal 200° (Wall mounting)
- Ⓢ max. 12 m across; max. 4 m towards; max. 2 m anti-creep protection
- Ⓢ 250 m² / 2.5 m mounting height
- Ⓢ 2 m / 3 m / 2.5 m
- Ⓢ IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 1000 W,  $\cos \varphi = 1$ ; 500 VA,  $\cos \varphi = 0.5$ ; 200 W LED
- Ⓢ 1x  $\mu$ -contact, NO contact
- Ⓢ 4 sec – 20 min
- Ⓢ 2 – 2000 Lux

# Outdoor motion detectors

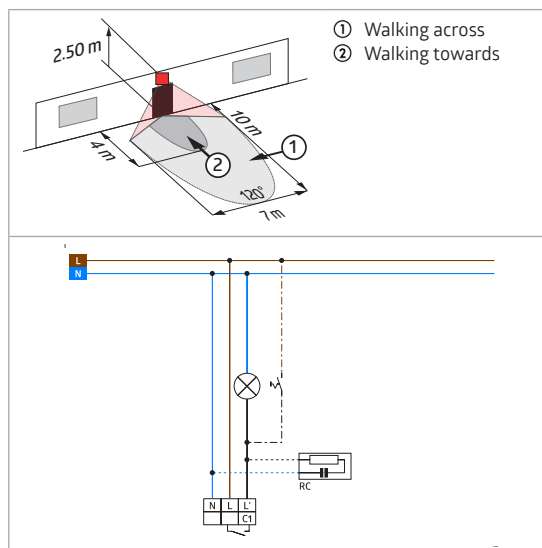
## Product and accessory

Description	Colour	Part no.
LC-Mini 120	white mat, similar to RAL9010	91051
LC-Mini 120	black mat, similar to RAL9005	91071
Wire basket BSK (Ø 164 x 143 mm)	white	92467



## Product Information

- Mini motion detector for exterior use with 120° detection area
- Adjustable ball head
- Detection area can be restricted with blinds



## Technical Data

- Ⓢ 230 V AC  $\pm 10\%$  50 / 60 Hz
- Ⓢ 80 × 55 × 70 mm
- Ⓢ approx. 0.8 W
- Ⓢ horizontal 120° (Wall mounting)
- Ⓢ max. 10 m across; max. 4 m towards
- Ⓢ 100 m<sup>2</sup> / 2.5 m mounting height
- Ⓢ 2 m / 3 m / 2.5 m
- Ⓢ IP44 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 1000 W,  $\cos \varphi = 1$ ; 500 VA,  $\cos \varphi = 0.5$ ; 200 W LED
- Ⓢ 1x  $\mu$ -contact, NO contact
- Ⓢ 4 sec – 10 min
- Ⓢ 2 – 2000 Lux



## Outdoor motion detectors

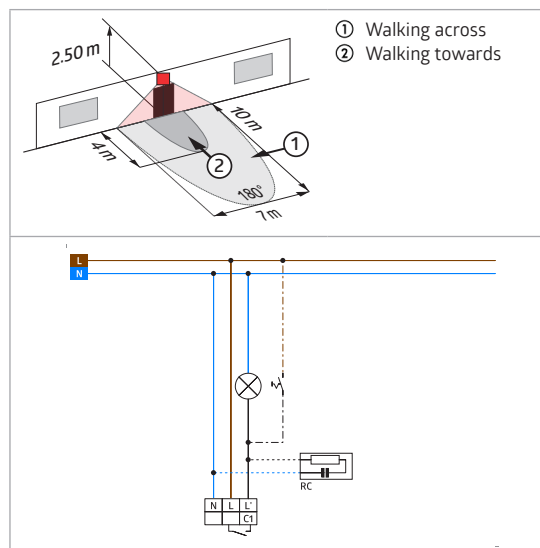
### Product and accessory

Description	Colour	Part no.
LC-Mini 180	white mat, similar to RAL9010	91052
LC-Mini 180	black mat, similar to RAL9005	91072
Wire basket BSK (Ø 164 x 143 mm)	white	92467



### Product Information

- Mini motion detector for exterior use with 180° detection area
- Adjustable ball head
- Detection area can be restricted with blinds



### Technical Data

- Ⓢ 230 V AC  $\pm 10\%$  50 / 60 Hz
- Ⓢ 80 x 55 x 70 mm
- Ⓢ approx. 0.8 W
- Ⓢ horizontal 180° (Wall mounting)
- Ⓢ max. 10 m across; max. 4 m towards
- Ⓢ 150 m<sup>2</sup> / 2.5 m mounting height
- Ⓢ 2 m / 3 m / 2.5 m
- Ⓢ IP44 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 1000 W,  $\cos \varphi = 1$ ; 500 VA,  $\cos \varphi = 0.5$ ; 200 W LED
- Ⓢ 1x  $\mu$ -contact, NO contact
- Ⓢ 4 sec - 10 min
- Ⓢ 2 - 2000 Lux

# LUXOMAT® Ceiling-mounted motion detectors for indoor use

## Intelligent home – Saving energy made easy

Motion detectors are designed to detect moving sources of heat in their detection area reliably. Upon detected movement, they switch the light automatically according to the ambient light. When no more movement is detected, the detector switches the light off after pre-set follow-up time has expired.




This is achieved by means of passive infrared technology (PIR): the detection area of the motion detector is divided into many smaller subsections. Within these subsections, the detector measures any heat radiation resulting, for example, from a creature. If there are temperature differences in several subsections caused by movement, these are detected by a sensor integrated in the detector. The sensor itself does not emit any radiation and is therefore called "passive".

Reasonably switching the illumination significantly contributes to reduce power consumption. The light is only switched on when needed.



## Detector overview

### Switching with 1 or 2-channel motion detectors with simple light measurement

Motion detector	Page				Simple light measurement	Motion detection	Remote control-capable	Range	Additional function
PD3N-1C	23	92190	92196	92186	■	■	■	Ø 10 m	–
PD3N-1C Micro	24	92219	92184	–	■	■	■	Ø 10 m	with acoustic sensor
PD3N-1C-NO-PF	25	–	92576	–	■	■	■	Ø 10 m	–
BL2	26	–	93317	–	■	■	■	Ø 8 m	–
PD4N-1C	27	92144	92149	92151	■	■	■	Ø 24 m	–
BL4	28	–	93288	–	■	■	■	Ø 19 m	–
PD4N-1C-C	29	92270	92274	–	■	■	■	max. Ø 40 m	corridor detectors
BL4-C	30	–	93284	–	■	■	■	max. Ø 32 m	corridor detectors
PD9-1C	31	–	92902	–	■	■	–	Ø 10 m	mini detector
PD9-1C-GH	32	–	92934	–	■	■	–	Ø 3,5 m	large mounting height
PD9-DIGI	33	–	92917	–	–	■	–	Ø 3 m	Installation in light fittings
PD3N-2C	34	–	92198	92188	■	■	■	Ø 10 m	–
PD9-1C-12-48 V	35	–	92985	–	■	■	–	Ø 10 m	12-48 V

# Ceiling-mounted motion detectors

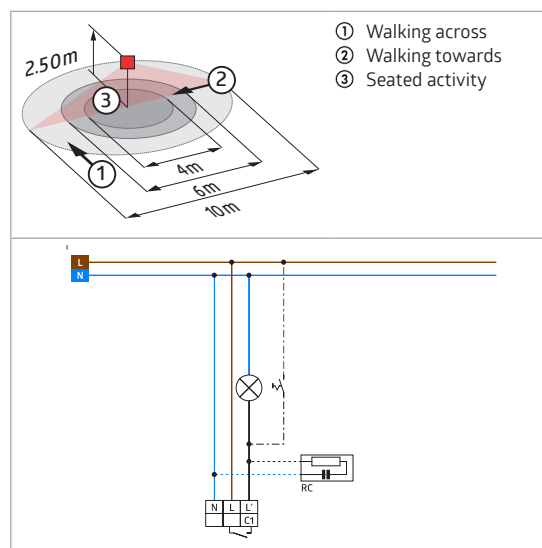
## Product and accessory

Description	Colour	Part no.
PD3N-1C-FC	white mat, similar to RAL9010	92196
PD3N-1C-SM	white mat, similar to RAL9010	92190
PD3N-1C-FM	white mat, similar to RAL9010	92186
IR-Adapter for Smartphones	black	92726
IR-PD3/4N-1C-E	-	93110
BLE-IR-Adapter	black	93067
IR-PD3N	-	92105
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD3N-FC	white mat, similar to RAL9010	92991



## Product Information

- Remote control-capable ceiling motion detector
- One channel for light switching
- Special optical system for detection of even the smallest movements
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 106 x 53 mm
- FM= Ø 106 x 63 mm
- FC= Ø 83 x 81 mm
- ⏻ approx. 0.5 W
- ↻ horizontal 360° (Ceiling mounting)
- ⬆ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⌈ 78 m² / 2.5 m mounting height
- ⬆ 2 m / 5 m / 2.5 m
- SM= IP44 / Class II
- FM= IP20 / Class II
- FC= IP23 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- ⚡ max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 🕒 15 sec – 30 min, Pulse
- ☀ 10 – 2000 Lux



# Ceiling-mounted motion detectors

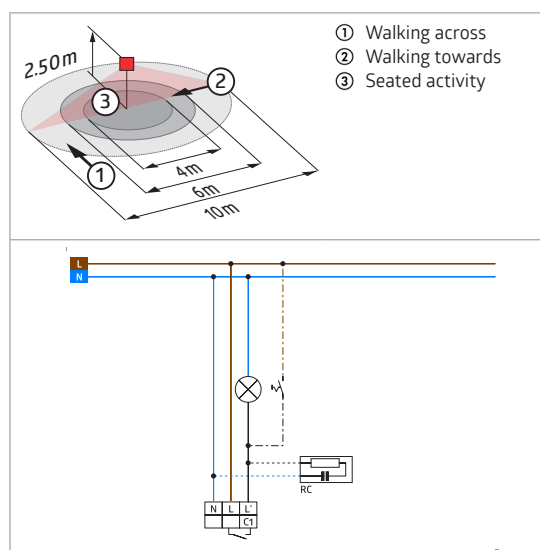
## Product and accessory

Description	Colour	Part no.
PD3N-1C-FC Micro	white mat, similar to RAL9010	92184
PD3N-1C-SM Micro	white mat, similar to RAL9010	92219
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD3N	-	92105
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD3N-FC	white mat, similar to RAL9010	92991



## Product Information

- Remote control-capable ceiling motion detector with integrated acoustic sensor
- One channel for light switching
- Special optical system for detection of even the smallest movements
- Additional functions can be set up using the optional remote control.



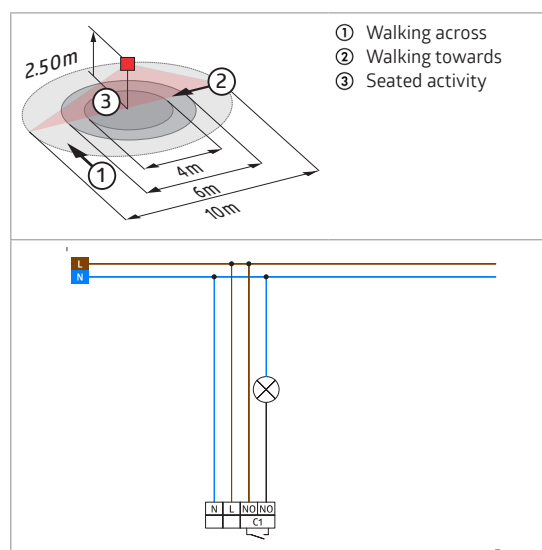
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ FC= Ø 83 × 81 mm  
SM= Ø 106 × 53 mm
- Ⓢ approx. 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP= IP23 / Class II  
SM= IP44 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- Ⓢ max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- Ⓢ 1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 30 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux

# Ceiling-mounted motion detectors

## Product and accessory

Description	Colour	Part no.
PD3N-1C-NO-PF-FC	white mat, similar to RAL9010	92576
IR-Adapter for Smartphones	black	92726
IR-PD3/4N-1C-E	-	93110
BLE-IR-Adapter	black	93067
IR-PD3N	-	92105
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD3N-FC	white mat, similar to RAL9010	92991



## Product Information

- Remote control-capable ceiling motion detector
- One potential-free (dry) switching contact
- Special optical system for detection of even the smallest movements
- Additional functions can be set up using the optional remote control.

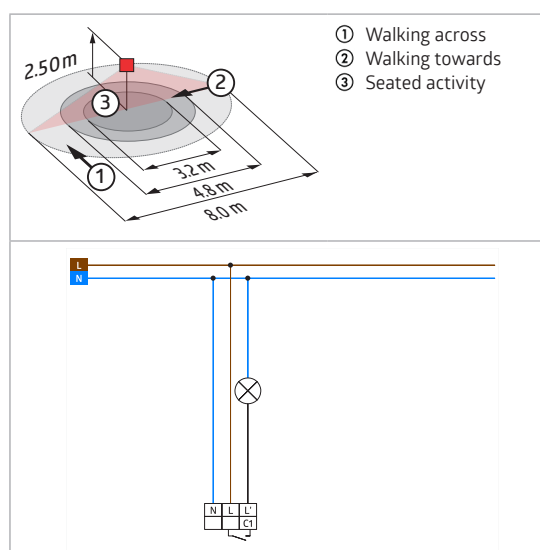
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ② Ø 83 × 81 mm
- ③ approx. 0.4 W
- ④ horizontal 360° (Ceiling mounting)
- ⑤ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⑥ 78 m² / 2.5 m mounting height
- ⑦ 2 m / 5 m / 2.5 m
- ⑧ IP23 / Class II
- ⑨ -25 °C to +50 °C
- ⑩ polycarbonate, UV-resistant
- Channel 1 (lighting control, potential-free (dry))**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- 15 sec – 30 min, Pulse
- 10 – 2000 Lux

# Ceiling-mounted motion detectors

## Product and accessory

Description	Colour	Part no.
BL2-FC	white	93317
IR-BL	-	93055
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Mounting set BL2-SM	white	93256
Mounting set BL2-FM	white	93251



## Product Information

- Ceiling motion detector for indoor use with a 360° detection area
- For mounting in suspended ceilings
- One channel for light switching
- Easy parameterising by remote control (optional)
- Basic functions for cost-effective applications
- Ready-to-operate thanks to factory settings
- Accessory for surface mounting and flush mounting available
- Factory setting: High detection sensitivity, follow-up time 3 min, switch-on threshold 500 lux

## Technical Data

- Ⓢ 110 – 240 V
- Ⓢ Ø 80 × 61 mm
- Ⓢ 0.3 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 8 m across; max. Ø 4.8 m towards; max. Ø 3.2 m seated
- Ⓢ 50 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP23 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Connections and wires: for solid conductors 0.5 – 1.5 mm²
- Ⓢ 1000 W, cos φ = 1; 500 VA, cos φ = 0.5; 200 W LED
- Ⓢ 1x µ-contact, NO contact
- Ⓢ 15 sec – 60 min
- Ⓢ 10 – 2000 Lux

# Ceiling-mounted motion detectors

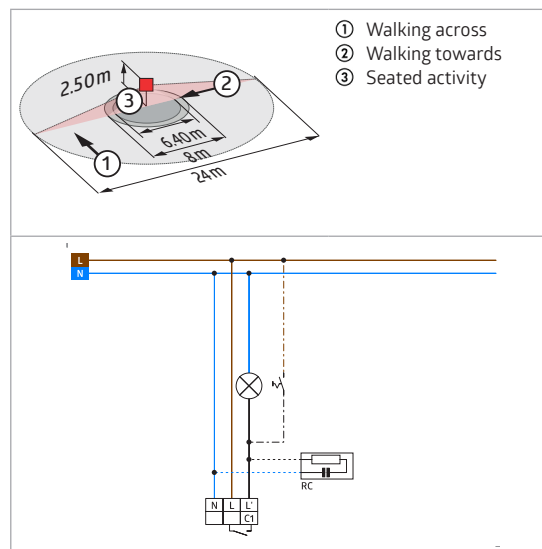
## Product and accessory

Description	Colour	Part no.
PD4N-1C-FC	white mat, similar to RAL9010	92149
PD4N-1C-SM	white mat, similar to RAL9010	92144
PD4N-1C-FM	white mat, similar to RAL9010	92151
Blinds PD4 -FC / -FM	transparent	92313
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD3N	-	92105
IR-PD3/4N-1C-E	-	93110
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Remote-control capable ceiling motion detector with large detection range
- One channel for light switching
- Special optical system for detection of even the smallest movements
- Uninterrupted parallel circuit detection of several detectors
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux



## Technical Data

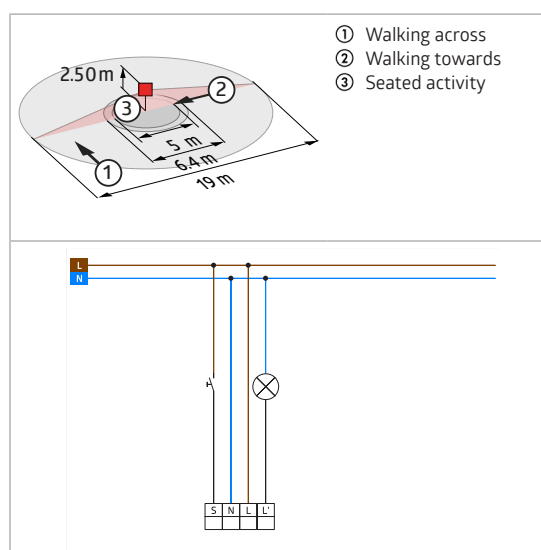
- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 109 × 65 mm
- FC= Ø 106 × 90 mm
- FM= Ø 106 × 76 mm
- ⏻ approx. 0.5 W
- 🌀 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 📏 450 m² / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- SM= IP44 / Class II
- FC= IP23 / Class II
- FM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 🕒 15 sec – 30 min, Pulse
- 💡 10 – 2000 Lux



## Ceiling-mounted motion detectors

### Product and accessory

Description	Colour	Part no.
BL4-FC	white mat, similar to RAL9010	93288
IR-BL	-	93055
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Mounting set BL4-SM	white	93183
Mounting set BL4-FM	white	93194



### Product Information

- Ceiling motion detector for indoor use with a 360° detection area
- For mounting in suspended ceilings
- One channel for light switching
- Manual switching via push-button possible
- Easy parameterising by remote control (optional)
- Basic functions for cost-effective applications
- Ready-to-operate thanks to factory settings
- Accessory for surface mounting and flush mounting available
- Factory setting: High detection sensitivity, follow-up time 3 min, switch-on threshold 500 lux

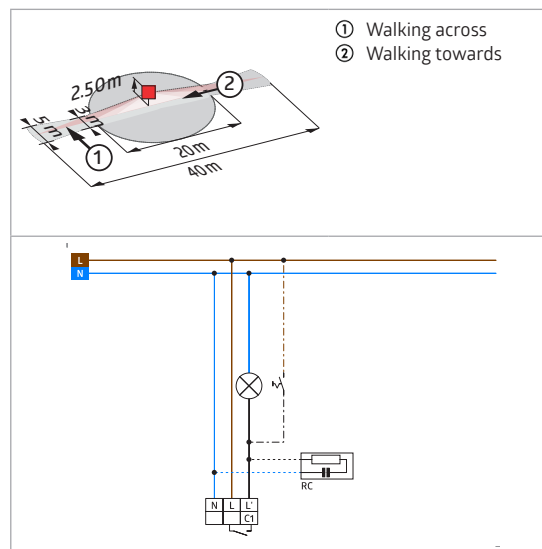
### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 104.5 × 84 mm
- Ⓢ approx. 0.3 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 19 m across; max. Ø 6.4 m towards; max. Ø 5 m seated
- Ⓢ 280 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Connections and wires: for solid conductors 0.5 – 2.5 mm²
- Ⓢ 1000 W, cos φ = 1; 500 VA, cos φ = 0.5; 200 W LED
- Ⓢ 1x µ-contact, NO contact
- Ⓢ 15 sec – 60 min
- Ⓢ 10 – 2000 Lux

# Ceiling-mounted motion detectors

## Product and accessory

Description	Colour	Part no.
PD4N-1C-C-FC	white mat, similar to RAL9010	92274
PD4N-1C-C-SM	white mat, similar to RAL9010	92270
Blinds PD4 -FC / -FM	transparent	92313
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD3N	-	92105
IR-PD3/4N-1C-E	-	93110
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall holder PD4-SM	white	92441



## Product Information

- Remote control-capable ceiling motion detector designed for corridors
- One channel for light switching
- Special optical system for detection of even the smallest movements
- Additional functions can be set up using the optional remote control.
- Uninterrupted parallel circuit detection of several detectors
- Factory settings 10 min and 500 lux
- There are markings to ensure correct alignment during installation

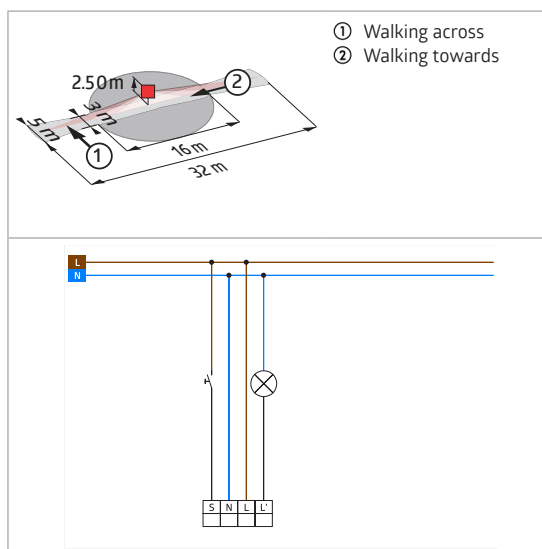
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ② SM= Ø 109 x 65 mm  
FC= Ø 106 x 90 mm
- ③ approx. 0.4 W
- ④ horizontal 360° (Ceiling mounting)
- ⑤ max. 40 m x 5 m across; max. 20 m x 3 m towards
- ⑥ 250 m² / 2.5 m mounting height
- ⑦ 2.4 m / 2.6 m / 2.5 m
- ⑧ SM= IP44 / Class II  
FC= IP23 / Class II
- ⑨ -25 °C to +50 °C
- ⑩ polycarbonate, UV-resistant
- ⑪ **Channel 1 (lighting control)**  
2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;  
max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A  
1x μ-contact, NO contact with tungsten pre-make contact
- ⑫ 15 sec – 30 min, Pulse
- ⑬ 10 – 2000 Lux

# Ceiling-mounted motion detectors

## Product and accessory

Description	Colour	Part no.
BL4-C-FC	white mat, similar to RAL9010	93284
IR-BL	-	93055
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Mounting set BL4-SM	white	93183
Mounting set BL4-FM	white	93194



## Product Information

- Remote control-capable ceiling motion detector designed for corridors
- For mounting in suspended ceilings
- One channel for light switching
- Manual switching via push-button possible
- Easy parameterising by remote control (optional)
- Basic functions for cost-effective applications
- Ready-to-operate thanks to factory settings
- Accessory for surface mounting and flush mounting available
- There are markings to ensure correct alignment during installation
- Factory setting: High detection sensitivity, follow-up time 3 min, switch-on threshold 500 lux

## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 104.5 × 84 mm
- Ⓢ approx. 0.3 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. 32 m × 5 m across; max. 16 m × 3 m towards
- Ⓢ 200 m² / 2.5 m mounting height
- Ⓢ 2.4 m / 2.6 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Connections and wires: for solid conductors 0.5 – 2.5 mm²
- Ⓢ 1000 W, cos φ = 1; 500 VA, cos φ = 0.5; 200 W LED
- 1x µ-contact, NO contact
- Ⓢ 15 sec – 60 min
- Ⓢ 10 – 2000 Lux

# Ceiling-mounted motion detectors

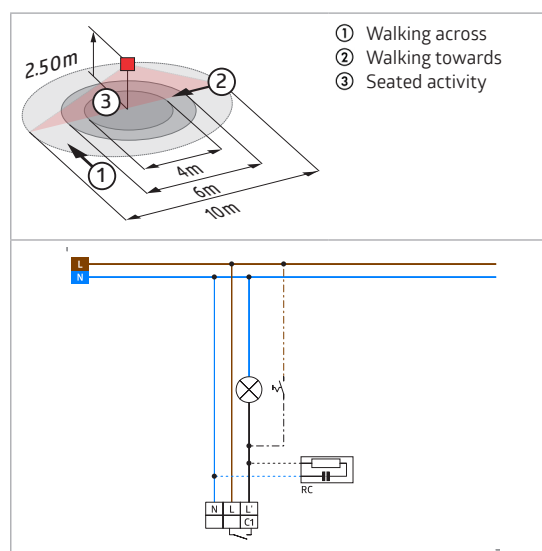
## Product and accessory

Description	Colour	Part no.
PD9-1C-FC	white mat, similar to RAL9010	92902
Blinds Mini-Occupancy detector PD9	transparent	32702
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini-motion detector for indoor use
- One channel for light switching
- Easy installation on device
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⌚ Sensor head: Ø 45 × 37 mm, Power supply: 165 × 24 × 24 mm
- ⏻ approx. 0.5 W
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📐 78 m² / 2.5 m mounting height
- 📐 2 m / 5 m / 2.5 m
- 📐 IP20 / Class II
- 📐 -25 °C to +50 °C
- 📐 polycarbonate, UV-resistant
- 📐 45 cm
- Channel 1 (lighting control)**
- 📐 1000 W, cos φ = 1; 500 VA, cos φ = 0.5; 200 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 📐 1x μ-contact, NO contact with tungsten pre-make contact
- 📐 30 sec – 30 min, Pulse
- 📐 10 – 2000 Lux



# Ceiling-mounted motion detectors

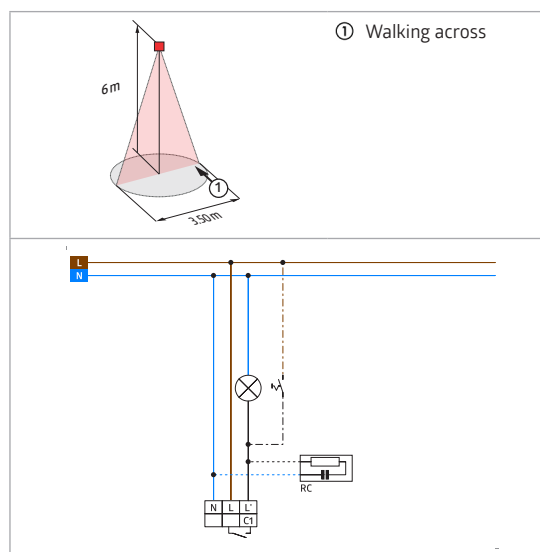
## Product and accessory

Description	Colour	Part no.
PD9-1C-GH-FC	white mat, similar to RAL9010	92934
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini-motion detector especially for large mounting heights
- One channel for light switching
- Easy installation on device
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blind



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- ⚡ Sensor head: Ø 45 × 49 mm, Power supply: 165 × 24 × 24 mm
- Ⓢ < 0.5 W
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 3.5 m across
- 📐 9 m² / 6 m mounting height
- 📐 5 m / 10 m / 6 m
- 📐 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📐 polycarbonate, UV-resistant
- 📐 45 cm
- Channel 1 (lighting control)**
- 💡 1000 W, cos φ = 1; 500 VA, cos φ = 0.5; 200 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 🔌 1x μ-contact, NO contact with tungsten pre-make contact
- 🕒 30 sec – 30 min, Pulse
- ☀ 10 – 2000 Lux

# Ceiling-mounted motion detectors

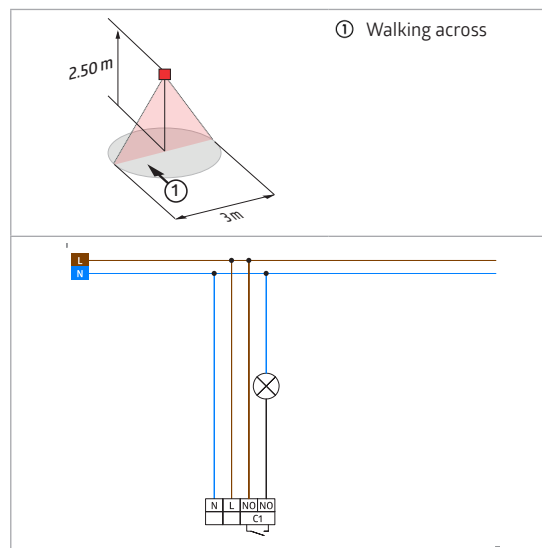
## Product and accessory

Description	Colour	Part no.
PD9-DIGI	-	92917



## Product Information

- Mini-motion detector designed for installation in luminaires
- One channel for light switching
- Switching solely depends on motion
- Manual setting of follow-up time via power supply
- Visible portion of sensor head: Ø 11 x 3 mm



## Technical Data

- ① 230 V AC ±10% 50 / 60 Hz
- ↗ Sensor head: Ø 18 x 26 mm, Power supply: 154 x 40 x 30 mm
- ⏻ approx. 1.6 W
- 🌀 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 3 m across
- 📏 7 m² / 2.5 m mounting height
- 📏 2 m / 3 m / 2.5 m
- 🛡 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- 📏 45 cm
- Channel 1 (lighting control, potential-free (dry))**
- ⚡ 1000 W, cos φ = 1; 500 VA, cos φ = 0.5; 200 W LED
- 🔌 1x µ-contact, dry NO contact with tungsten pre-make contact
- 🕒 30 sec – 30 min, Pulse

## Ceiling-mounted motion detectors

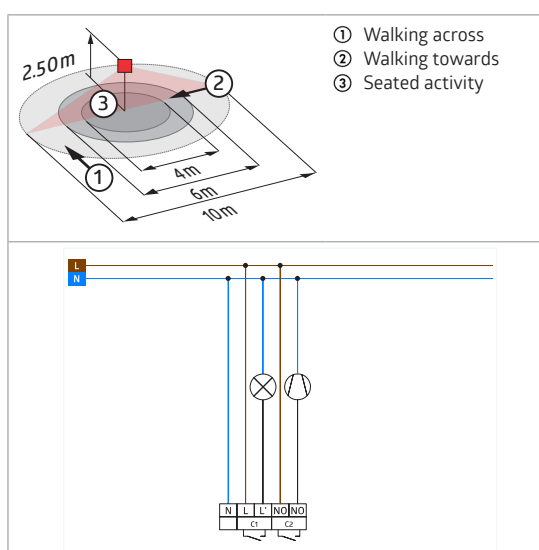
### Product and accessory

Description	Colour	Part no.
PD3N-2C-FC	white mat, similar to RAL9010	92198
PD3N-2C-FM	white mat, similar to RAL9010	92188
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD3N-2C	-	92115
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD3N-FC	white mat, similar to RAL9010	92991



### Product Information

- Remote control-capable ceiling motion detector
- One channel for light switching
- One additional potential-free (dry) contact for HVAC
- Additional functions can be set up using the optional remote control.



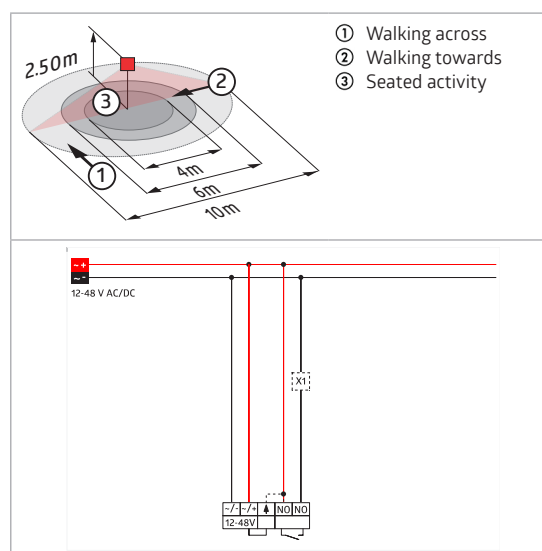
### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ FM= Ø 106 × 63 mm  
FC= Ø 83 × 81 mm
- Ⓢ approx. 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ FM= IP20 / Class II  
FC= IP23 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;  
max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A  
1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 30 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**
- Ⓢ 3 A (230 V), cos φ = 1  
1x NO contact (dry)
- Ⓢ 5 min – 120 min

# Ceiling-mounted motion detectors

## Product and accessory

Description	Colour	Part no.
PD9-1C-12-48V-FC	white mat, similar to RAL9010	92985
Blinds Mini-Occupancy detector PD9	transparent	32702
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini-motion detector with operating voltage 12-48 V
- One channel for light switching
- Easy installation on device
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds

## Technical Data

- ① 12 – 48 V AC / DC
- ⌚ Sensor head: Ø 45 × 37 mm, Power supply: 165 × 24 × 24 mm
- ⚡ < 0.25 W
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📐 78 m² / 2.5 m mounting height
- 📐 2 m / 5 m / 2.5 m
- 📐 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📐 polycarbonate, UV-resistant
- 📐 45 cm
- Channel 1 (lighting control, potential-free (dry))**
- ⚡ 1000 W, cos φ = 1; 200 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 📐 1x μ-contact, dry NO contact with tungsten pre-make contact
- 🕒 30 sec – 30 min, Pulse
- ☀ 10 – 2000 Lux

Compact.  
Obviously.

“



## PD2N-M-1C-LED

Professional lighting management  
for intelligent building automation

- Integrated LED light ring as separately adjustable orientation and night light
- Numerous setting options via the B.E.G. Smartphone app
- Extension of the detection range with up to 5 additional PD2N-M-1C LEDs possible





## LUXOMAT® Occupancy detectors for interior ceiling and wall mounting

### Motion detectors – occupancy detectors

Motion detectors used to be installed for exterior home illumination primarily for security. In recent years, motion detectors have also been used inside buildings for occupancy detection. When used in this application they are known as occupancy detectors saving energy and offering more convenience.

Physically motion and occupancy detectors work on the same principle (infrared technology) in that they detect moving heat sources. They differ only in the technical parameters used.




Motion detectors switch the light depending on movements and the ambient light. Occupancy detectors regulate the artificial light in such a way that there is always a constant lux value in the room.

B.E.G. LUXOMAT® detectors have been developed to meet a variety of requirements. The PD2 for standard applications, the PD9 for discreet installation, the PD4 for increased range and many more. B.E.G. provides the best detector for every situation and can provide you with support in choosing the right one.



## Detector overview

### Switching with 1 or 2-channel Master with daylight evaluation

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2-M-1C	39	92550	92565	92555	■	■	■	Ø 10 m	–
PD4-M-1C	40	92580	92585	92575	■	■	■	Ø 24 m	–
PD4-M-1C-C	41	92587	92586	–	■	■	■	Ø 40 m	–
PD4-M-1C-C-PS	42	92485	92480	–	■	■	■	Ø 24 m	additional security contact
PD4-M-TRIO-C-3P	43	–	92746	–	■	■	■	Ø 40 m	–
PD4-M-1C-GH	44	92245	–	–	■	■	■	Ø 30 m	large mounting height
PD9-M-1C	45	–	92900	–	■	■	■	Ø 10 m	mini detector
PD9-M-1C-GH	46	–	92923	–	■	■	■	Ø 6 m	large mounting height
PD9-M-1C-SDB-IP65	47	–	92912 – white 92913 – silver	–	■	■	■	Ø 10 m	mini detector
PD9-M-1C-SDB-IP65-GH	48	–	92931 – white 92932 – silver	–	■	■	■	Ø 10 m	mini detector large mounting height
PICO-N-M-1C	49	–	93159	–	■	■	■	Ø 10 m	IP65
PD11-M-1C-FLAT	50	–	92583	–	■	■	■	Ø 9 m	super flat
PD2N-M-1C-LED	51	–	94055	–	■	■	■	Ø 10 m	LED light
PD2-M-2C	52	92150	92165	92155	■	■	■	Ø 10 m	–
PD4-M-2C	53	92140	92148	92255	■	■	■	Ø 24 m	–
PD4-M-2C-C	54	92440	92143	92443	■	■	■	max. Ø 40 m	corridor detector
PD4-M-2C-DS	55	–	92760	–	■	■	■	Ø 24 m	–
PD9-M-2C	56	–	92976	–	■	■	■	Ø 10 m	with HVAC channel
PD4-M-2C-DUO	57	92158	92251	92252	■	■	■	Ø 24 m	–
PD4-M-3C-TRIO	58	92740	92745	–	■	■	■	Ø 24 m	–
PD2-M-2C-12-48V-3A	59	92154	92164	–	■	■	■	Ø 10 m	3A version
PD2-M-2C-12-48V-RR	60	92305	92306	–	■	■	■	Ø 10 m	with reed relay

# Ceiling mounted occupancy detectors

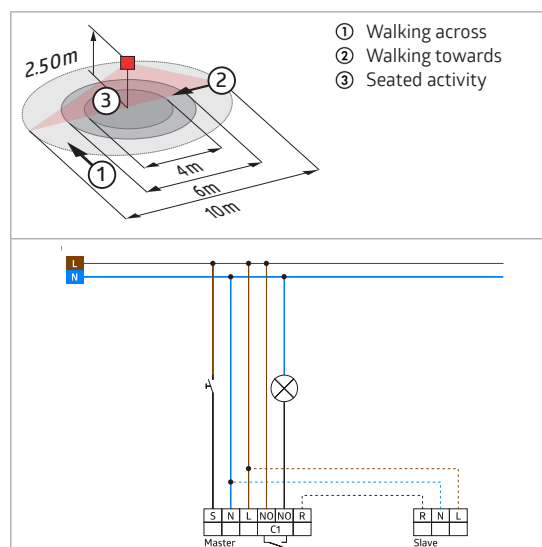
## Product and accessory

Description	Colour	Part no.
PD2-M-1C-FC	white mat, similar to RAL9010	92565
PD2-M-1C-SM	white mat, similar to RAL9010	92550
PD2-M-1C-FM	white mat, similar to RAL9010	92555
Blinds PD2-SM / PD4-SM	transparent	92260
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector with one potential-free dry contact
- Version as master device
- One channel for light switching
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 98 x 47 mm
- FM= Ø 98 x 65 mm
- FC= Ø 80 x 85 mm
- ⏻ approx. 0.4 W
- 📐 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📏 78 m² / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- SM= IP20 / Class II
- FM= IP20 / Class II
- FC= IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1 (lighting control, potential-free (dry))**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- 🕒 15 sec – 30 min, Pulse
- ☀️ 10 – 2000 Lux
- Mixed light measuring

# Ceiling mounted occupancy detectors

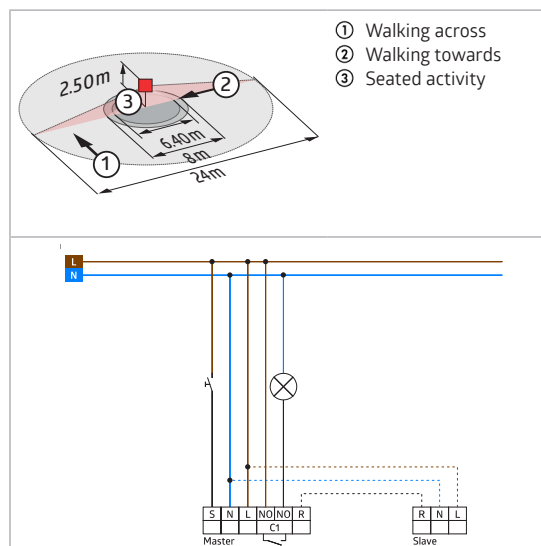
## Product and accessory

Description	Colour	Part no.
PD4-M-1C-FC	white mat, similar to RAL9010	92585
PD4-M-1C-SM	white mat, similar to RAL9010	92580
PD4-M-1C-FM	white mat, similar to RAL9010	92575
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161
Surface mounting socket (IP65) for PD4-SM IP20	white	92375
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

- Occupancy detector with extended detection area
- One potential-free (dry) contact
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- FM= Ø 104 x 70 mm
- SM= Ø 98 x 63 mm
- FC= Ø 97 x 103 mm
- Ⓢ approx. 0.4 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- FM= IP20 / Class II
- SM= IP20 / Class II
- FC= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control, potential-free (dry))**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- Ⓢ 15 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux
- Mixed light measuring

# Ceiling mounted occupancy detectors

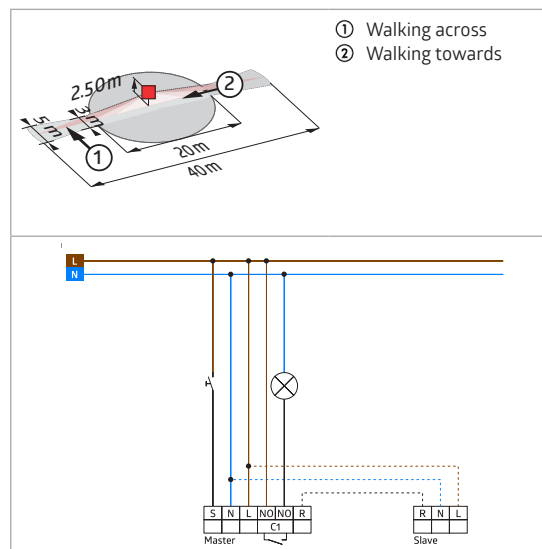
## Product and accessory

Description	Colour	Part no.
PD4-M-1C-C-FC	white mat, similar to RAL9010	92586
PD4-M-1C-C-SM	white mat, similar to RAL9010	92587
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

- Occupancy detector designed for corridors
- One potential-free (dry) switching contact
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux
- There are markings to ensure correct alignment during installation



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- FC= Ø 97 × 103 mm
- SM= Ø 101 × 76 mm
- approx. 0.5 W
- horizontal 360° (Ceiling mounting)
- max. 40 m × 5 m across; max. 20 m × 3 m towards
- 250 m² / 2.5 m mounting height
- 2.4 m / 2.6 m / 2.5 m
- FC= IP20 / Class II
- SM= IP54 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control, potential-free (dry))**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- 15 sec – 30 min, Pulse
- 10 – 2000 Lux
- Mixed light measuring



# Ceiling mounted occupancy detectors

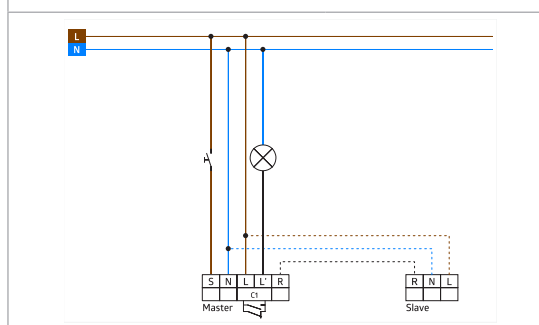
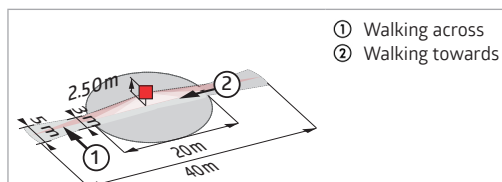
## Product and accessory

Description	Colour	Part no.
PD4-M-1C-C-PS-FC	white mat, similar to RAL9010	92480
PD4-M-1C-C-PS-SM	white mat, similar to RAL9010	92485
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

- Occupancy detector with NO contact and safety circuit by NC contact
- Guarantees illumination even if sensor fails
- Designed for corridors
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux
- There are markings to ensure correct alignment during installation



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ FC= Ø 97 × 103 mm
- Ⓢ SM= Ø 101 × 76 mm
- Ⓢ approx. 0.7 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. 40 m × 5 m across; max. 20 m × 3 m towards
- Ⓢ 250 m² / 2.5 m mounting height
- Ⓢ 2.4 m / 2.6 m / 2.5 m
- Ⓢ IP FC= IP20 / Class II
- Ⓢ SM= IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- Ⓢ max. inrush current I<sub>p</sub> (20 ms) = 120 A
- Ⓢ 1x μ-contact, NO contact with tungsten pre-make contact, additional NC-safety contact
- Ⓢ 15 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux
- Ⓢ Mixed light measuring

# Ceiling mounted occupancy detectors

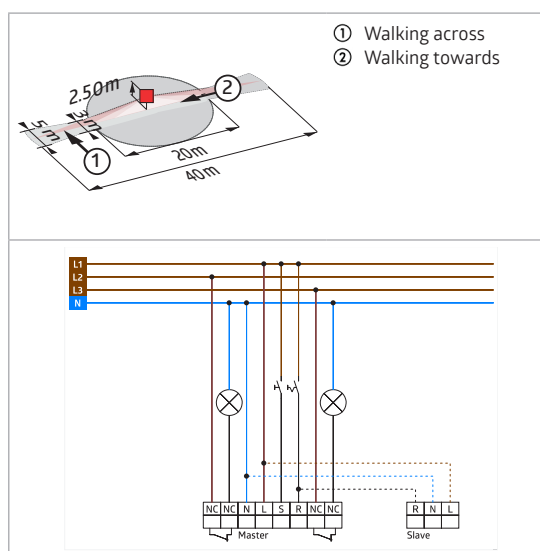
## Product and accessory

Description	Colour	Part no.
PD4-M-TRIO-C-3P-FC	white mat, similar to RAL9010	92746
PD4-M-TRIO-C-3P-SM	white mat, similar to RAL9010	92747
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
BLE-IR-Adapter	black	93067
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 PD4-TRIO-SM	white	92386



## Product Information

- 1-channel occupancy detector with two simultaneously operating relay outputs, which enable distribution to different phases
- The switching channel with the two relay outputs closes when the operating voltage of the detector fails, so the lighting remains on as long as the two phases of the luminaires are supplied with power.
- The device requires an operating voltage. The third phase can be used for this purpose.
- Designed for corridors
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- There are markings to ensure correct alignment during installation



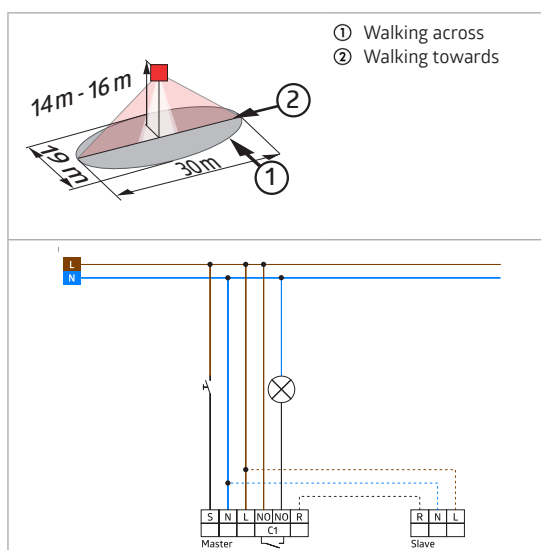
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⏏ FC= Ø 117 × 100 mm  
SM= Ø 125 × 85 mm
- ⏏ approx. 0.5 W
- ⏏ horizontal 360° (Ceiling mounting)
- ⏏ max. 40 m × 5 m across; max. 20 m × 3 m towards
- ⏏ 250 m² / 2.5 m mounting height
- ⏏ 2.4 m / 2.6 m / 2.5 m
- ⏏ FC= IP20 / Class II  
SM= IP20 / Class II
- ⏏ -25 °C to +50 °C
- ⏏ polycarbonate, UV-resistant
- Channel 1 (lighting control, potential-free (dry))**
- ⏏ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED
- ⏏ 2x µ-contact, dry Contact NC with tungsten pre-make contact
- ⏏ 15 sec – 30 min, Pulse
- ⏏ 10 – 2000 Lux
- ⏏ Mixed light measuring

# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD4-M-1C-GH-SM	white mat, similar to RAL9010	92245
Wall holder PD4-SM	white	92441
IR-Adapter for Smartphones	black	92726
IR-PD-LD	-	92479
BLE-IR-Adapter	black	93067
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Surface mounting socket (IP65) for PD4-SM IP20	white	92375
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector designed for high-bay warehouses
- One potential-free (dry) switching contact
- Version as master device
- Detection area can be extended with slave devices
- Easy operation with remote control (required)**
- Manual switching via push-button possible
- There are markings to ensure correct alignment during installation
- When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Factory settings 3 min and 1000 lux

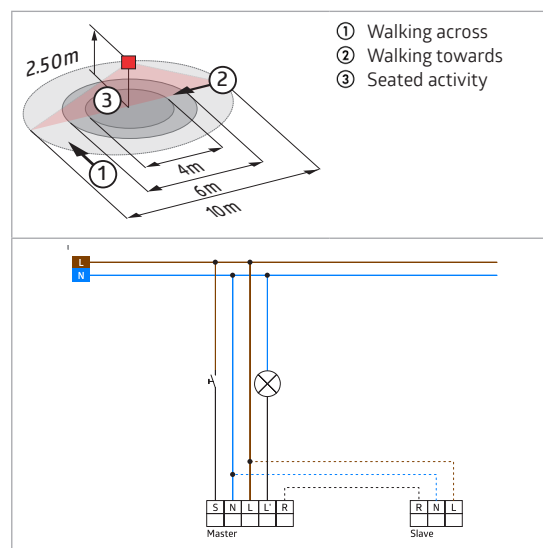
## Technical Data

- 110 – 240 V AC 50 / 60 Hz
- Ø 98 x 63 mm
- approx. 0.5 W
- horizontal 360° oval (Ceiling mounting)
- 30 m x 19 m
- 440 m² / 14 m mounting height
- 5 m / 16 m / 14 m
- IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control, potential-free (dry))**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- 15 sec – 30 min, Pulse
- 20 – 2000 Lux
- Mixed light measuring

# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD9-M-1C-FC	white mat, similar to RAL9010	92900
Blinds Mini-Occupancy detector PD9	transparent	32702
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini-occupancy detector
- One channel for light switching
- Version as master device
- Detection area can be extended with slave devices
- **Easy operation with remote control (required)**
- Manual switching via push-button possible
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds
- Factory settings 10 min and 500 lux

## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⚡ Sensor head: Ø 45 × 28 mm, Power supply: 165 × 24 × 24 mm
- ⏻ approx. 0.5 W
- 🌀 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📐 78 m² / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- 📏 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- 📏 45 cm, screened
- Channel 1 (lighting control)**
- ⚡ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- ⚡ 1x μ-contact, NO contact with tungsten pre-make contact
- 🕒 5 min – 30 min, Pulse
- ☀ 20 – 1000 Lux
- 📏 Mixed light measuring

# Ceiling mounted occupancy detectors

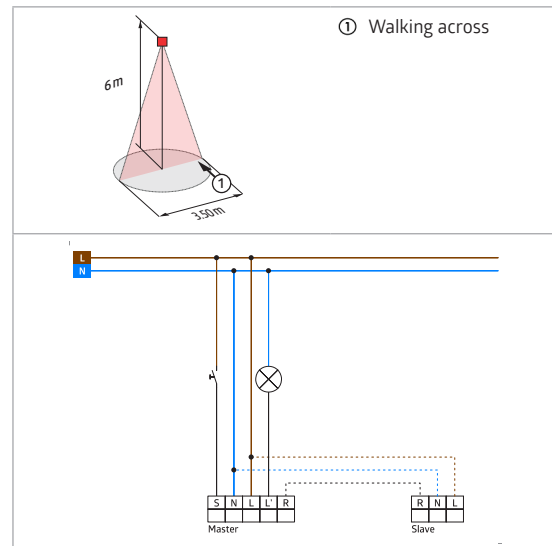
## Product and accessory

Description	Colour	Part no.
PD9-M-1C-GH-FC	white mat, similar to RAL9010	92923
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini-occupancy detector especially for large mounting heights
- One channel for light switching
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- **Easy operation with remote control (required)**
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blind
- Factory settings 10 min and 500 lux



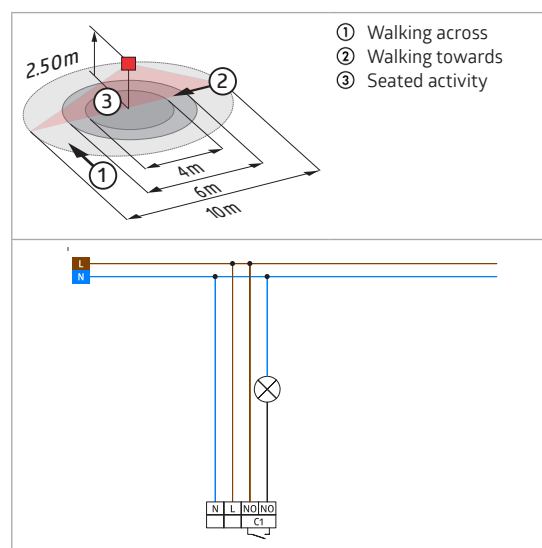
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⚡ Sensor head: Ø 45 × 40 mm, Power supply: 165 × 24 × 24 mm
- ⚡ approx. 0.5 W
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 3.5 m across
- 📐 9 m² / 6 m mounting height
- 📐 5 m / 10 m / 6 m
- 📐 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- 📏 45 cm, screened
- Channel 1 (lighting control)**
- 💡 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 🔌 1x μ-contact, NO contact with tungsten pre-make contact
- 🕒 5 min – 30 min, Pulse
- 🌞 20 – 1000 Lux
- 📊 Mixed light measuring

# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD9-M-1C-SDB-IP65-FC	white mat, similar to RAL9010	92912
PD9-M-1C-SDB-IP65-FC	silver mat, similar to RAL9022	92913
Blinds Mini-Occupancy detector PD9	transparent	32702
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD9	-	92201
IR-PD-Mini	-	92159
PD9-S-SDB-FC	white, similar to RAL9010	92915



## Product Information

- Mini-occupancy detector designed for high-humidity locations
- One potential-free (dry) switching contact
- Version as master device
- One additional Slave device sensor can be directly connected
- Additional functions can be set up using the optional remote control.
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds

## Technical Data

- Ⓢ 230 V AC  $\pm 10\%$  50 Hz
- ⚡ Sensor head: Ø 36 x 28 mm, Power supply: 154 x 38 x 25 mm
- Ⓢ 2.2 W
- ⌢ horizontal 360° (Ceiling mounting)
- ⚙ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP65 / Class III
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ 350 cm
- Ⓢ **Channel 1 (lighting control, potential-free (dry))**
- Ⓢ 2300 W,  $\cos \varphi = 1$ ; 1150 VA,  $\cos \varphi = 0.5$ ; 300 W LED; max. inrush current  $I_p$  (20 ms) = 80 A
- Ⓢ 1x  $\mu$ -contact, dry NO contact
- ⌚ 15 sec – 30 min, Pulse
- Ⓢ 20 – 1500 Lux
- Ⓢ Mixed light measuring



## Ceiling mounted occupancy detectors

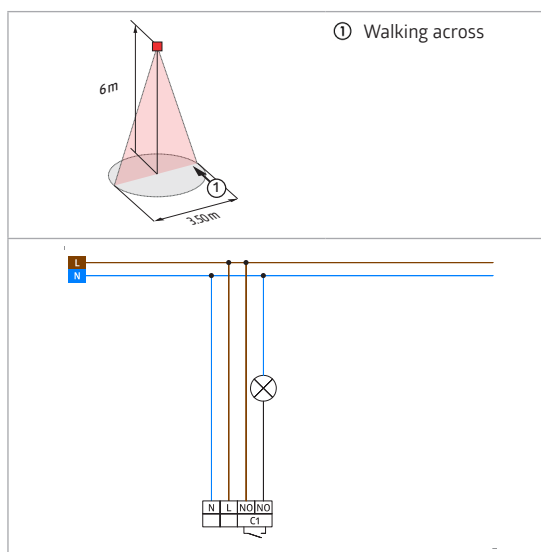
### Product and accessory

Description	Colour	Part no.
PD9-M-1C-SDB-IP65-GH-FC	white mat, similar to RAL9010	92931
PD9-M-1C-SDB-IP65-GH-FC	silver mat, similar to RAL9022	92932
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD9	-	92201
IR-PD-Mini	-	92159
PD9-S-SDB-GH-FC	white	92933



### Product Information

- Mini-occupancy detector designed for high-humidity locations especially for large mounting heights
- One potential-free (dry) switching contact
- Version as master device
- One additional Slave device sensor can be directly connected
- Additional functions can be set up using the optional remote control.
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blind



### Technical Data

- Ⓢ 230 V AC  $\pm 10\%$  50 Hz
- Ⓢ Sensor head:  $\varnothing 36 \times 40$  mm, Power supply:  $154 \times 38 \times 25$  mm
- Ⓢ 2.2 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max.  $\varnothing 3.5$  m across
- Ⓢ  $9 \text{ m}^2 / 6 \text{ m}$  mounting height
- Ⓢ  $5 \text{ m} / 10 \text{ m} / 6 \text{ m}$
- Ⓢ IP65 / Class III
- Ⓢ  $-25^\circ \text{C}$  to  $+50^\circ \text{C}$
- Ⓢ polycarbonate, UV-resistant
- Ⓢ 350 cm
- Channel 1 (lighting control, potential-free (dry))**
- Ⓢ 2300 W,  $\cos \varphi = 1$ ; 1150 VA,  $\cos \varphi = 0.5$ ; 300 W LED; max. inrush current  $I_p$  (20 ms) = 80 A
- Ⓢ 1x  $\mu$ -contact, dry NO contact
- Ⓢ 15 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux
- Ⓢ Mixed light measuring

# Ceiling mounted occupancy detectors

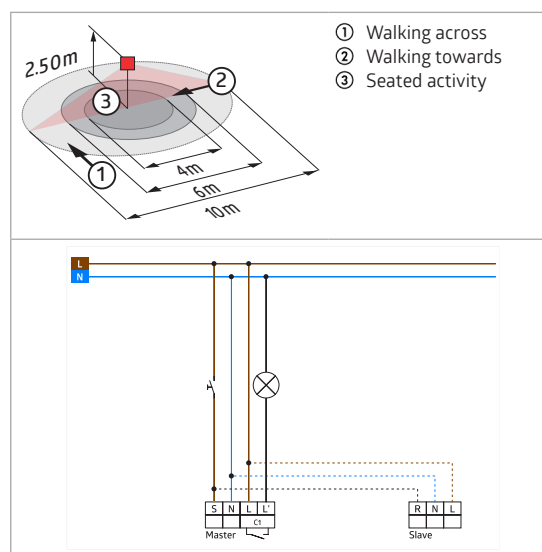
## Product and accessory

Description	Colour	Part no.
PICO-N-M-1C-FC	white mat, similar to RAL9010	93159
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159



## Product Information

- Mini-occupancy detector, no additional power unit, suitable for high-humidity locations
- One channel for light switching
- Manual switching via push-button possible
- **Easy operation with remote control (required)**
- Version as master device
- Detection area can be extended with slave devices
- Mounting with clip ring (included) for lights or with spring clips for suspended ceilings
- Factory settings 10 min and 500 lux



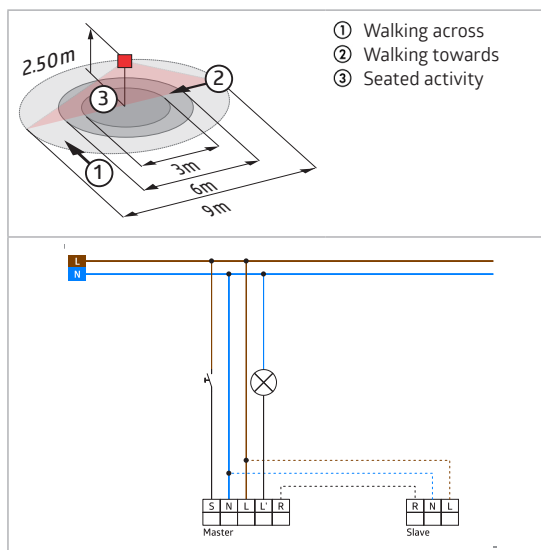
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⏏ Ø 33 × 60 mm
- ⏏ approx. 0.35 W
- ⏏ horizontal 360° (Ceiling mounting)
- ⏏ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⏏ 78 m² / 2.5 m mounting height
- ⏏ 2 m / 5 m / 2.5 m
- ⏏ IP65 / Class II
- ⏏ -25 °C to +50 °C
- ⏏ polycarbonate, UV-resistant
- ⏏ 140 cm
- Channel 1 (lighting control)**
- ⏏ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED
- ⏏ 1x μ-contact, NO contact
- ⏏ 15 sec – 30 min, Pulse
- ⏏ 10 – 2000 Lux
- ⏏ Mixed light measuring

# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD11-M-1C-FLAT-FC	white mat, similar to RAL9010	92583
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
In-wall mounting set / PD11	white	92833
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
Square design frame PD11-FC	white mat, similar to RAL9010	92994



## Product Information

- Particularly flat occupancy detector without additional power supply
- Visible portion when built into ceiling: height 0.85 mm
- One channel for light switching
- Manual switching via push-button possible
- Easy operation with remote control (required)**
- Version as master device
- Detection area can be extended with slave devices
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- With accessories for flush-mounting in ceiling and exposed concrete
- Factory settings 10 min and 500 lux

## Technical Data

- 110 – 240 V AC 50 / 60 Hz
- Ø 52 × 60 mm
- approx. 0.3 W
- horizontal 360° (Ceiling mounting)
- max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- 63 m² / 2.5 m mounting height
- 2 m / 5 m / 2.5 m
- IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 5 min – 30 min, Pulse
- 20 – 2000 Lux
- Mixed light measuring

# Ceiling mounted occupancy detectors

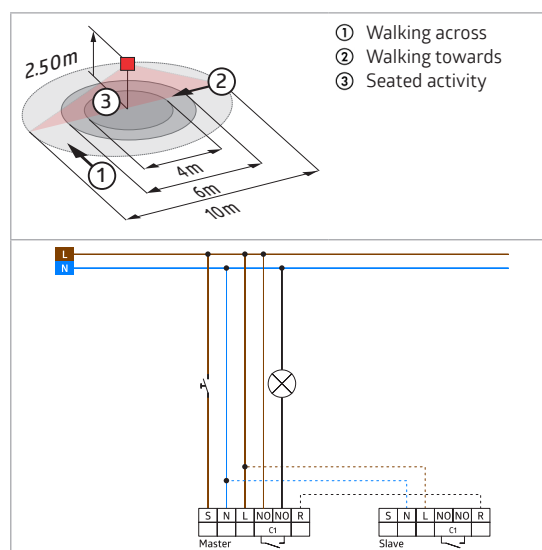
## Product and accessory

Description	Colour	Part no.
PD2N-M-1C-LED-FC	white mat, similar to RAL9010	94055
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-Mini	-	92159



## Product Information

- Remote control-capable occupancy detector for inside use with circular detection area
- Integrated LED light as separately adjustable orientation- and night light
- One channel for light switching
- Numerous setting and readout options via the bidirectional B.E.G. smartphone app
- Extension of the detection range possible by using up to 5 other PD2N-M-1C-LED
- Can be used as either Master device or Slave device



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⌵ ⌴ Ø 84 × 85 mm
- LED LED circuit board securely mounted  
Luminous flux of light: 90 lm
- ⏻ approx. 0.3 W / approx. 2 W with LED
- ⤵ horizontal 360° (Ceiling mounting)
- ⤵ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⌵ 78 m² / 2.5 m mounting height
- ⌵ 2 m / 5 m / 2.5 m
- IP IP20 / Class II
- 🌡 -20 °C to +40 °C
- 📦 Polycarbonate
- Semi-automatic mode, Slave mode, Full automatic mode, Fully automatic with Corridor
- Channel 1 (lighting control, potential-free (dry))**
- ⌵ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- 🕒 10 sec – 18 h
- 🌞 20 – 100 % / OFF / 10 s – 18 h
- ⚙ 20 – 100 % / 10 sec – 18 h / ∞
- ☀ 10 – 2000 Lux

# Ceiling mounted occupancy detectors

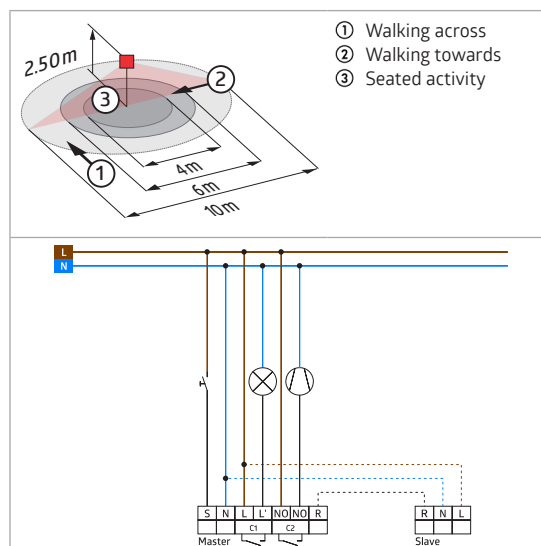
## Product and accessory

Description	Colour	Part no.
PD2-M-2C-FC	white mat, similar to RAL9010	92165
PD2-M-2C-SM	white mat, similar to RAL9010	92150
PD2-M-2C-FM	white mat, similar to RAL9010	92155
Blinds PD2-SM / PD4-SM	transparent	92260
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-2C	-	92475
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector with circular detection area
- One channel for light switching
- One additional potential-free (dry) contact for HVAC
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux (15 min HVAC)
- Zero crossing switching



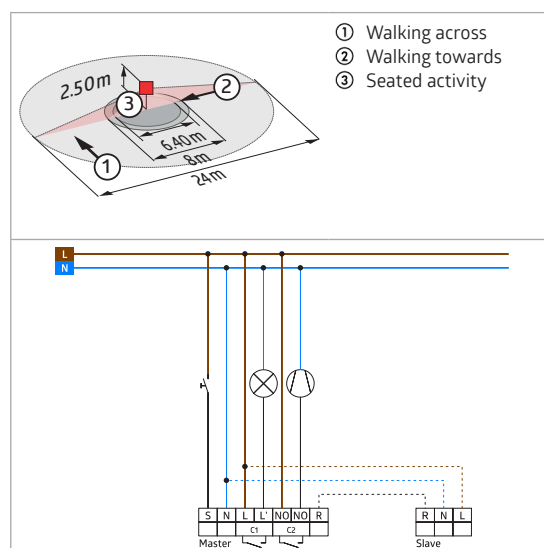
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- SM= Ø 98 x 47 mm
- FM= Ø 98 x 65 mm
- FC= Ø 80 x 85 mm
- Ⓢ approx. 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- SM= IP20 / Class II
- FM= IP20 / Class II
- FC= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- Ⓢ max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 15 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**
- Ⓢ 3 A (230 V), cos φ = 1
- 1x μ-contact, dry NO contact
- Ⓢ 5 min – 120 min, Alarm pulse, Pulse
- Mixed light measuring

## Ceiling mounted occupancy detectors

## Product and accessory













Description	Colour	Part no.
PD4-M-2C-FC	white mat, similar to RAL9010	92148
PD4-M-2C-SM	white mat, similar to RAL9010	92140
PD4-M-2C-FM	white mat, similar to RAL9010	92255
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-2C	-	92475
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Surface mounting socket (IP65) PD4-SM IP54	white	92376
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

- Occupancy detector with extended detection area
- One channel for light switching
- One additional potential-free (dry) contact for HVAC
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Factory settings 10 min and 500 lux (15 min HVAC)
- Zero crossing switching

## Technical Data

-  110 – 240 V AC 50 / 60 Hz  
 SM= Ø 101 × 76 mm  
 FC= Ø 97 × 103 mm  
 FM= Ø 104 × 70 mm  
 approx. 0.5 W  
 horizontal 360° (Ceiling mounting)  
 max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated  
 450 m<sup>2</sup> / 2.5 m mounting height  
 2 m / 10 m / 2.5 m  
 SM= IP54 / Class II  
 FC= IP20 / Class II  
 FM= IP20 / Class II  
 -25 °C to +50 °C  
 polycarbonate, UV-resistant  
**Channel 1 (lighting control)**  
 2300 W, cos  $\varphi$  = 1; 1150 VA, cos  $\varphi$  = 0.5; 300 W LED;  
 max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush  
 current I<sub>p</sub> (200  $\mu$ s) = 800 A  
 1x  $\mu$ -contact, NO contact with tungsten pre-make  
 contact  
 15 sec – 30 min, Pulse  
 10 – 2000 Lux  
**Channel 2 (HVAC control potential-free (dry))**  
 3 A (230 V), cos  $\varphi$  = 1  
 1x dry NO contact  
 5 min – 120 min, Alarm pulse, Pulse  
 Mixed light measuring



# Ceiling mounted occupancy detectors

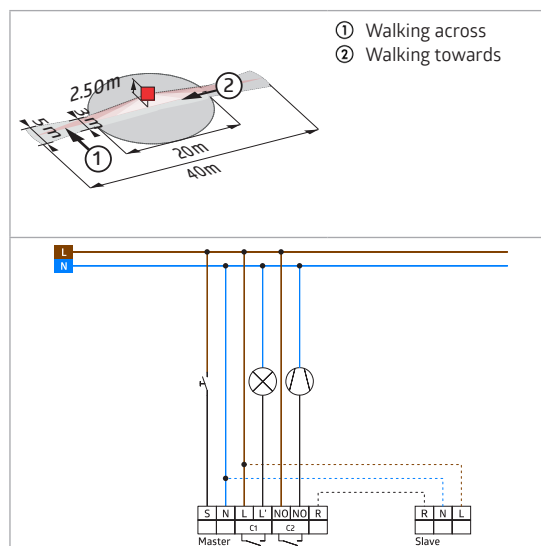
## Product and accessory

Description	Colour	Part no.
PD4-M-2C-C-FC	white mat, similar to RAL9010	92143
PD4-M-2C-C-SM	white mat, similar to RAL9010	92440
PD4-M-2C-C-FM	white mat, similar to RAL9010	92443
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-2C	-	92475
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Surface mounting socket (IP65) PD4-SM IP54	white	92376
Wall holder PD4-SM	white	92441
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

- Occupancy detector designed for corridors
- One channel for light switching
- One additional potential-free (dry) contact for HVAC
- Version as master device
- Detection area can be extended with slave devices
- Manual switching via push-button possible
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Additional functions can be set up using the optional remote control.
- There are markings to ensure correct alignment during installation
- Factory settings 10 min and 500 lux (15 min HVAC)



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- FC= Ø 97 x 103 mm
- SM= Ø 101 x 76 mm
- FM= Ø 104 x 70 mm
- Ⓢ < 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. 40 m x 5 m across; max. 20 m x 3 m towards
- Ⓢ 250 m² / 2.5 m mounting height
- Ⓢ 2.4 m / 2.6 m / 2.5 m
- FC= IP20 / Class II
- SM= IP54 / Class II
- FM= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 15 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**
- 3 A (230 V), cos φ = 1
- 1x μ-contact, dry NO contact
- Ⓢ 5 min – 120 min, Alarm pulse, Pulse
- Mixed light measuring

# Ceiling mounted occupancy detectors

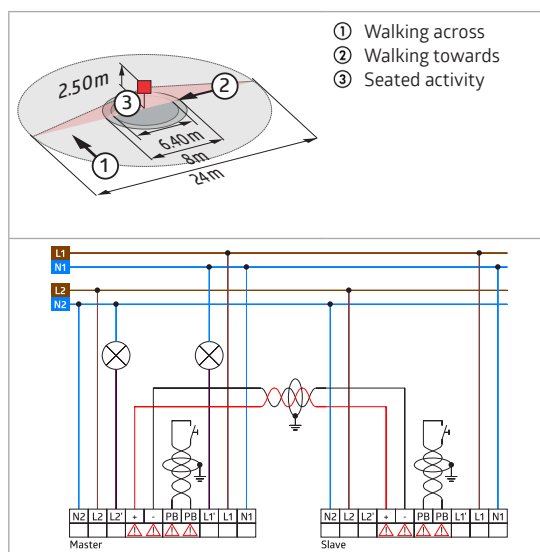
## Product and accessory

Description	Colour	Part no.
PD4-M-2C-DS-FC	white mat, similar to RAL9010	92760
IR-Adapter for Smartphones	black	92726
IR-PD-1C	-	92520
BLE-IR-Adapter	black	93067
IR-PD-1C-E	-	92077
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector connectable to two different phases
- 2 channels for switching light: the illumination system can be divided into two separate groups being electrically isolated.
- Version as master device
- Extension of the detection area with one additional PD4-M-2C-DS-FC configured as a Slave device
- Manual switching possible via a shared pushbutton
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux



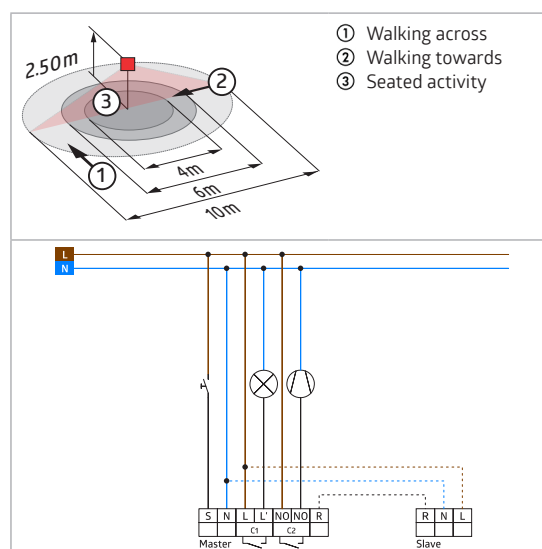
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 117 × 100 mm
- Ⓢ < 1.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 and Channel 2 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- Ⓢ 2x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 15 sec – 60 min, Pulse
- Ⓢ 10 – 2000 Lux
- Ⓢ Mixed light measuring

# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD9-M-2C-FC	white mat, similar to RAL9010	92976
Blinds Mini-Occupancy detector PD9	transparent	32702
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-2C	-	92475
IR-PD-Mini	-	92159
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini occupancy detector for light switching with additional potential-free (dry) contact
- Version as master device
- Detection area can be extended with slave devices
- **Easy operation with remote control (required)**
- Manual switching via push-button possible
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds
- Factory settings 10 min and 500 lux (15 min HVAC)

## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⚡ Sensor head: Ø 45 × 28 mm, Power supply: 165 × 24 × 24 mm
- ⏻ approx. 0.6 W
- 📐 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📏 78 m² / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- 📏 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📏 polycarbonate, UV-resistant
- 📏 45 cm, screened
- Channel 1 (lighting control)**
- 💡 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 🔌 1x μ-contact, NO contact with tungsten pre-make contact
- 🕒 5 min – 30 min, Pulse
- ☀ 20 – 1000 Lux
- Channel 2 (HVAC control potential-free (dry))**
- 🔌 3 A (230 V), cos φ = 1
- 🔌 1x μ-contact, dry NO contact
- 🕒 5 min – 120 min, Pulse
- 📏 Mixed light measuring

# Ceiling mounted occupancy detectors

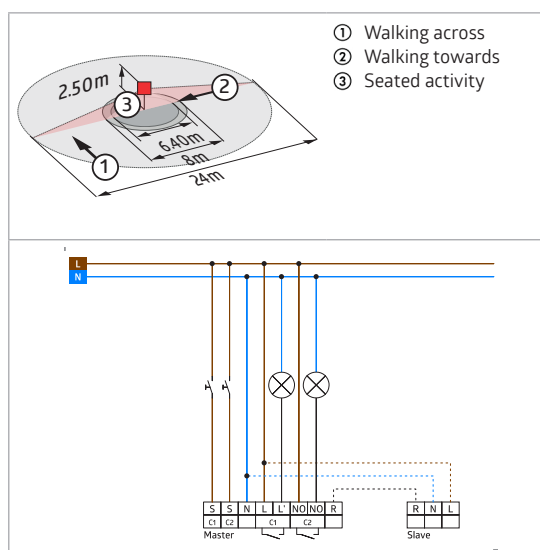
## Product and accessory

Description	Colour	Part no.
PD4-M-2C-DUO-FC	white mat, similar to RAL9010	92251
PD4-M-2C-DUO-SM	white mat, similar to RAL9010	92158
PD4-M-2C-DUO-FM	white mat, similar to RAL9010	92252
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DUO	-	92092
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector for two separate lighting groups
- One common detection area
- Two independent, movable light sensors
- Manual switching via two push-buttons possible
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux



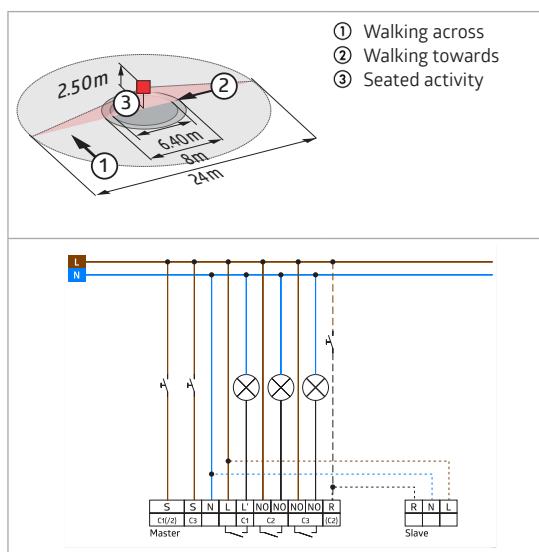
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 117 x 68 mm
- FC= Ø 97 x 103 mm
- FM= Ø 97 x 84 mm
- ⏻ approx. 0.5 W
- 📶 horizontal 360° (Ceiling mounting)
- 📶 max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 📶 450 m² / 2.5 m mounting height
- 📶 2 m / 10 m / 2.5 m
- SM= IP54 / Class II
- FC= IP20 / Class II
- FM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📖 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 🕒 1 min – 30 min, Pulse
- ☀ 10 – 2000 Lux
- Channel 2 (lighting control potential-free (dry))**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A, I<sub>p</sub> (200 μs) = 800 A
- Switch-on threshold: 10 – 2000 Lux
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- Mixed light or daylight measuring

# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD4-M-3C-TRIO-FC	white mat, similar to RAL9010	92745
PD4-M-3C-TRIO-SM	white mat, similar to RAL9010	92740
IR-Adapter for Smartphones	black	92726
IR-PD4-TRIO-3C	-	92851
BLE-IR-Adapter	black	93067
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 PD4-TRIO-SM	white	92386



## Product Information

- Occupancy detector particularly for classrooms and training classrooms
- Two contacts, one of them dry, for two groups of light, separate switching possible
- One potential-free contact for blackboard illumination or HVAC
- One common detection area
- Two independent, movable light sensors
- Manual switching possible via two or three pushbuttons
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Relay with tungsten pre-make contact, optimised for LED loads

## Technical Data

- 110 – 240 V AC 50 / 60 Hz
- SM= Ø 124 x 85 mm
- FC= Ø 117 x 100 mm
- approx. 0.5 W
- horizontal 360° (Ceiling mounting)
- max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 450 m² / 2.5 m mounting height
- 2 m / 10 m / 2.5 m
- SM= IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 3000 W, cos φ = 1; 1500 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 10 – 2000 Lux
- Channel 2 (lighting control potential-free (dry))**
- 3000 W, cos φ = 1; 1500 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A, I<sub>p</sub> (200 μs) = 800 A
- Switch-on threshold: 10 – 2000 Lux
- 1x μ-contact, dry NO contact with tungsten pre-make contact
- Channel 3 (HVAC control or lighting control, potential-free (dry))**
- Switching power: 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 300 W LED
- max. inrush current I<sub>p</sub> (20ms) = 120 A
- Type of contact: 1x μ-contact, dry NO contact
- Channel 1 to channel 3**
- 1 min – 90 min
- Mixed light measuring

# Ceiling mounted occupancy detectors

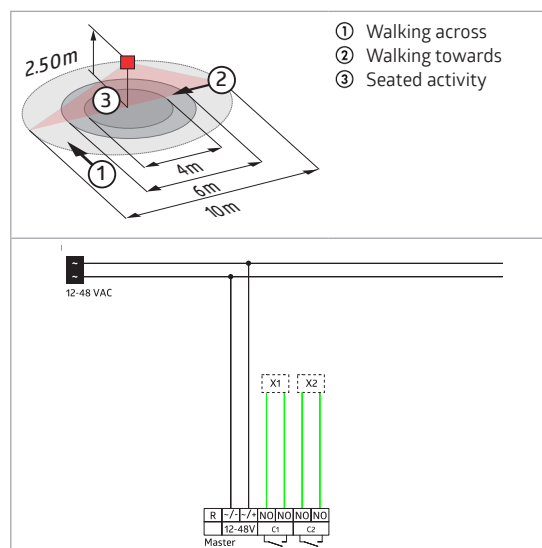
## Product and accessory

Description	Colour	Part no.
PD2-M-2C-12-48V-3A-FC	white mat, similar to RAL9010	92164
PD2-M-2C-12-48V-3A-SM	white mat, similar to RAL9010	92154
Blinds PD2-SM / PD4-SM	transparent	92260
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-2C	-	92475
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector with operating voltage of 12-48 V
- Two potential-free (dry) channels
- For channel 1, output of brightness-dependent resistance value also available, for additional analogue connection
- Can be used as either Master device or Slave device
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Further wiring diagrams see product page on [www.beg-luxomat.com](http://www.beg-luxomat.com)
- Factory settings 10 min and 500 lux (15 min HVAC)



## Technical Data

- Ⓜ 12 – 48 V AC / DC
- Ⓜ SM= Ø 98 x 47 mm
- Ⓜ FC= Ø 80 x 85 mm
- Ⓜ < 1 W
- Ⓜ horizontal 360° (Ceiling mounting)
- Ⓜ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓜ 78 m² / 2.5 m mounting height
- Ⓜ 2 m / 5 m / 2.5 m
- Ⓜ SM= IP20 / Class II
- Ⓜ FC= IP20 / Class II
- Ⓜ -25 °C to +50 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓜ **Channel 1 (lighting control, potential-free (dry))**
- Ⓜ 3 A; cos φ = 1
- Ⓜ 1x µ-contact, dry NO contact
- Ⓜ 15 sec – 30 min, Pulse
- Ⓜ 10 – 2000 Lux
- Ⓜ **Channel 2 (HVAC control potential-free (dry))**
- Ⓜ 5 min – 120 min, Alarm pulse, Pulse
- Ⓜ Mixed light measuring



## Ceiling mounted occupancy detectors

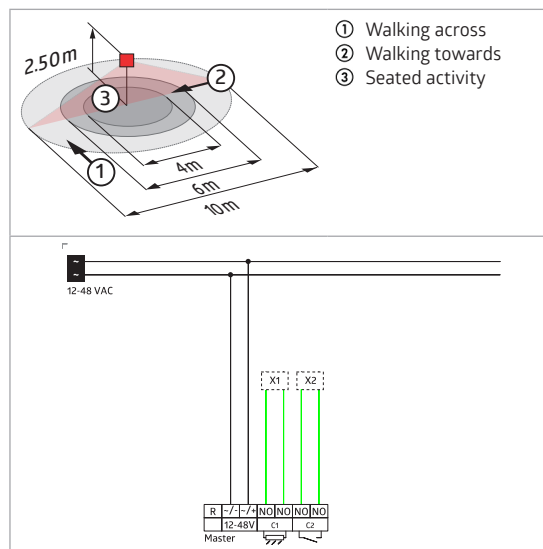
### Product and accessory

Description	Colour	Part no.
PD2-M-2C-12-48V-RR-FC	white mat, similar to RAL9010	92306
PD2-M-2C-12-48V-RR-SM	white mat, similar to RAL9010	92305
Blinds PD2-SM / PD4-SM	transparent	92260
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-2C	-	92475
IR-PD-Mini	-	92159
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



### Product Information

- Occupancy detector with operating voltage of 12-48 V
- Two potential-free (dry) channels
- For channel 1, output of brightness-dependent resistance value also available, for additional analogue connection
- Can be used as either Master device or Slave device
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Further wiring diagrams see product page on [www.beg-luxomat.com](http://www.beg-luxomat.com)
- Factory settings 10 min and 500 lux (15 min HVAC)



### Technical Data

- 12 - 48 V AC / DC
- SM= Ø 98 x 47 mm
- FC= Ø 80 x 85 mm
- < 1 W
- horizontal 360° (Ceiling mounting)
- max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 78 m² / 2.5 m mounting height
- 2 m / 5 m / 2.5 m
- SM= IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control, potential-free (dry))**
- 0.1 A; cos φ = 1 with Reed relay
- 1x µ-contact, dry NO contact
- 15 sec - 30 min, Pulse
- 10 - 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**
- 5 min - 120 min, Alarm pulse, Pulse
- Mixed light measuring

# LUXOMAT® Occupancy detectors for lighting control

## Lights controlled by occupancy and daylight!




Dimming technology is also known as 1-10V technology; its purpose is to vary the light intensity of connected lamps or electronic ballasts. So that this can take place automatically, B.E.G. offers dimming occupancy detectors. These enable daylight-dependent lighting regulation via a control output.

The dimming B.E.G. occupancy detectors are remote control-capable, offering more convenience for the user. The lux value desired for room illumination is set up on the detector. When movement is detected, the detector regulates the required amount of artificial light to add to the daylight level, in order to achieve this lux value.



## Detector overview

### Dimming with 1 or 2-channel Master with daylight evaluation

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2-M-DIM	63	92153	92167	92157	■	■	■	Ø 10 m	–
PD4-M-DIM	64	92147	92247	92248	■	■	■	Ø 24 m	–
PD4-M-DIM-C	65	92218	92217	–	■	■	■	max. Ø 40 m	corridor detector
PD9-M-DIM	66	–	92910	–	■	■	■	Ø 10 m	mini detector
PD9-M-DIM-GH	67	–	92924	–	■	■	■	Ø 6 m	large mounting height
PD4-M-DUO-DIM	68	–	92272	–	■	■	■	Ø 24 m	–
PD4-M-TRIO-DIM	69	92730	92735	–	■	■	■	Ø 24 m	–
PD4-M-DIM-HVAC-3A	70	–	92507	–	■	■	■	Ø 24 m	with HVAC channel
PD4-M-DIM-HVAC-16A	71	–	92547	–	■	■	■	Ø 24 m	with HVAC channel
PD9-M-DIM-HVAC	72	–	92973	–	■	■	■	max. Ø 10 m	with HVAC channel

# Ceiling mounted occupancy detectors

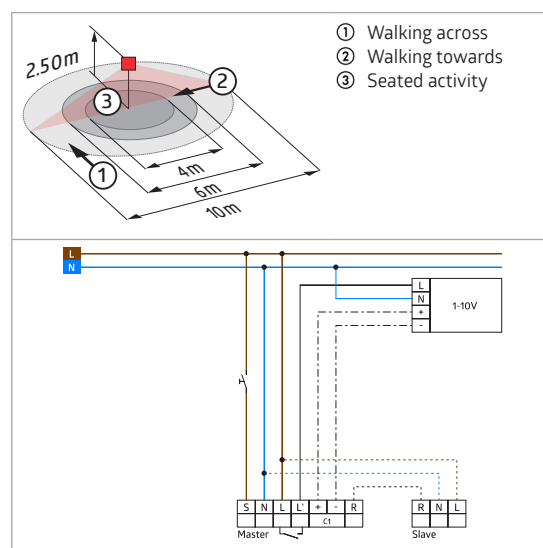
## Product and accessory

Description	Colour	Part no.
PD2-M-DIM-FC	white mat, similar to RAL9010	92167
PD2-M-DIM-SM	white mat, similar to RAL9010	92153
PD2-M-DIM-FM	white mat, similar to RAL9010	92157
Blinds PD2-SM / PD4-SM	transparent	92260
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PDim	-	92200
IR-PD-DIM-Mini	-	92098
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector for daylight-dependent lighting control
- 1 – 10 V interface for control of dimmable electronic ballast
- Additional switching channel for the following function:  
Cut-Off (complete ECG switch-off to avoid standby losses).
- Orientation light function
- Manual switching and dimming via push button possible
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 98 x 47 mm
- FM= Ø 98 x 65 mm
- FC= Ø 80 x 85 mm
- ⏻ approx. 0.5 W
- 🌀 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📐 78 m² / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- SM= IP20 / Class II
- FM= IP20 / Class II
- FC= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED, minimum runtime > 5 min; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- ⏻ 1-10 V DC, up to 50 ballasts
- 🕒 1 min – 30 min
- ☀ 10 – 2000 Lux
- 📊 Mixed light measuring

# Ceiling mounted occupancy detectors

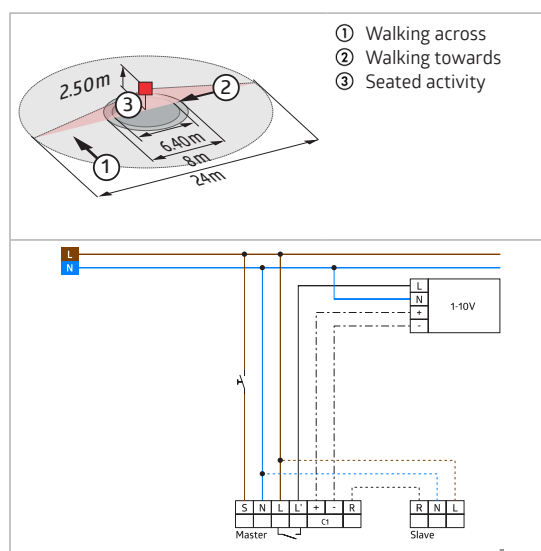
## Product and accessory

Description	Colour	Part no.
PD4-M-DIM-FC	white mat, similar to RAL9010	92247
PD4-M-DIM-SM	white mat, similar to RAL9010	92147
PD4-M-DIM-FM	white mat, similar to RAL9010	92248
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PDim	-	92200
IR-PD-DIM-Mini	-	92098
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector with large detection area, daylight-dependent lighting control
- 1 – 10 V interface for control of dimmable electronic ballast
- Orientation light function
- Additional switching channel for the following function: Cut-Off (complete ECG switch-off to avoid standby losses).
- Manual switching and dimming via push button possible
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4



## Technical Data

- 110 – 240 V AC 50 / 60 Hz
- SM= Ø 101 × 76 mm
- FC= Ø 97 × 103 mm
- FM= Ø 97 × 84 mm
- approx. 0.5 W
- horizontal 360° (Ceiling mounting)
- max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 450 m² / 2.5 m mounting height
- 2 m / 10 m / 2.5 m
- SM= IP54 / Class II
- FC= IP20 / Class II
- FM= IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 1-10 V DC, up to 50 ballasts
- 1 min – 30 min
- 10 – 2000 Lux
- Mixed light measuring

# Ceiling mounted occupancy detectors

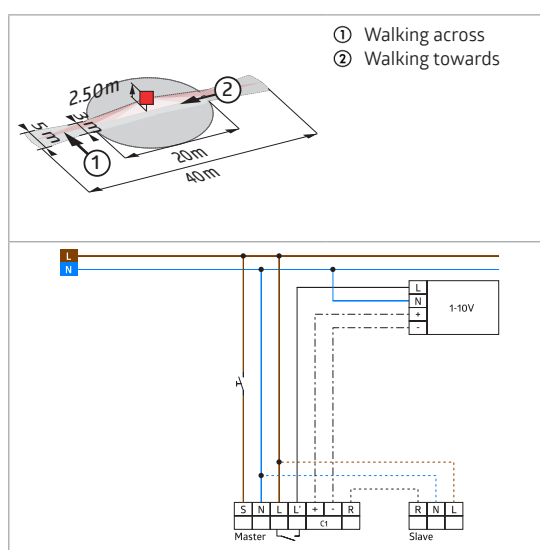
## Product and accessory

Description	Colour	Part no.
PD4-M-DIM-C-FC	white mat, similar to RAL9010	92217
PD4-M-DIM-C-SM	white mat, similar to RAL9010	92218
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PDim	-	92200
IR-PD-DIM-Mini	-	92098
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall holder PD4-SM	white	92441



## Product Information

- Occupancy detector designed for corridors, daylight-dependent lighting control
- 1 – 10 V interface for control of dimmable electronic ballast
- Orientation light function
- Additional switching channel for the following function: Cut-Off (complete ECG switch-off to avoid standby losses).
- Manual switching and dimming via push button possible
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- There are markings to ensure correct alignment during installation



## Technical Data

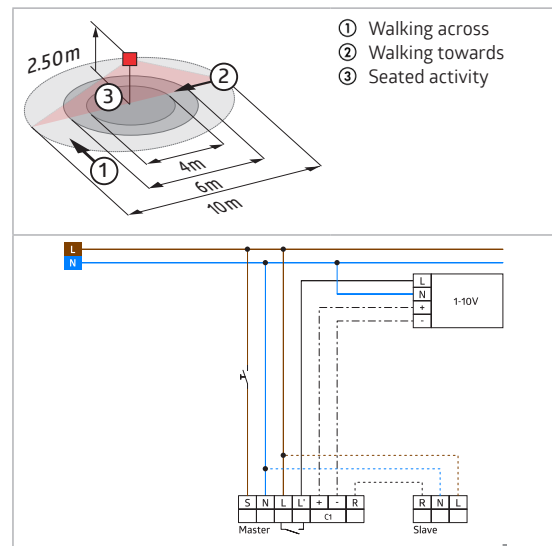
- ① 110 – 240 V AC 50 / 60 Hz
- FC= Ø 97 x 103 mm
- SM= Ø 101 x 76 mm
- approx. 0.5 W
- horizontal 360° (Ceiling mounting)
- max. 40 m x 5 m across; max. 20 m x 3 m towards
- 250 m² / 2.5 m mounting height
- 2.4 m / 2.6 m / 2.5 m
- FC= IP20 / Class II
- SM= IP54 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 1-10 V DC, up to 50 ballasts
- 1 min – 30 min
- 10 – 2000 Lux
- Mixed light measuring



# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD9-M-DIM-FC	white mat, similar to RAL9010	92910
Blinds Mini-Occupancy detector PD9	transparent	32702
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PDim	-	92200
IR-PD-DIM-Mini	-	92098
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini occupancy detector for daylight-dependent lighting control
- 1 – 10 V interface for control of dimmable electronic ballast
- Additional switching channel for the following function: Cut-Off (complete ECG switch-off to avoid standby losses).
- Manual switching and dimming via push button possible
- Orientation light function
- Version as master device
- Detection area can be extended with slave devices
- **Easy operation with remote control (required)**
- Relay with tungsten pre-make contact, optimised for LED loads
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds

## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⌋ Sensor head: Ø 45 × 28 mm, Power supply: 165 × 24 × 24 mm
- ⏻ approx. 0.5 W
- ⌋ horizontal 360° (Ceiling mounting)
- ⌋ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⌋ 78 m² / 2.5 m mounting height
- ⌋ 2 m / 5 m / 2.5 m
- ⌋ IP20 / Class II
- ⌋ -25 °C to +50 °C
- ⌋ polycarbonate, UV-resistant
- ⌋ 45 cm, screened
- Channel 1 (lighting control)**
- ⌋ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- ⌋ 1x μ-contact, NO contact with tungsten pre-make contact
- ⌋ 1-10 V DC, up to 50 ballasts
- ⌋ 1 min – 30 min
- ⌋ 10 – 2000 Lux
- Mixed light measuring

# Ceiling mounted occupancy detectors

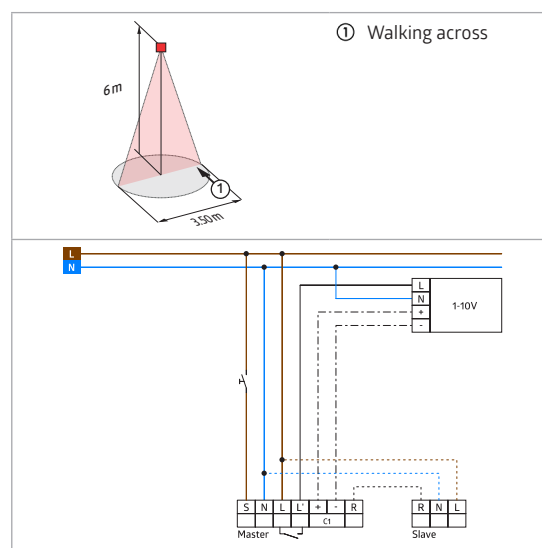
## Product and accessory

Description	Colour	Part no.
PD9-M-DIM-GH-FC	white mat, similar to RAL9010	92924
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PDim	-	92200
IR-PD-DIM-Mini	-	92098
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini occupancy detector for daylight-dependent lighting control, especially for large mounting heights
- 1 – 10 V interface for control of dimmable electronic ballast
- Additional switching channel for the following function: Cut-Off (complete ECG switch-off to avoid standby losses).
- Orientation light function
- Manual switching and dimming via push button possible
- Version as master device
- Detection area can be extended with slave devices
- Light regulation feasible up to 5 m mounting height
- Relay with tungsten pre-make contact, optimised for LED loads
- **Easy operation with remote control (required)**
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blind



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⌚ Sensor head: Ø 45 × 40 mm, Power supply: 165 × 24 × 24 mm
- ⏻ approx. 0.5 W
- ⌒ horizontal 360° (Ceiling mounting)
- ⌒ max. Ø 3.5 m across
- ⌒ 9 m² / 6 m mounting height
- ⌒ 5 m / 10 m / 6 m
- IP IP20 / Class II
- ⌚ -25 °C to +50 °C
- ⌒ polycarbonate, UV-resistant
- ⌒ 45 cm, screened
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- DIM 1-10 V DC, up to 50 ballasts
- ⌚ 1 min – 30 min
- ⌒ 10 – 2000 Lux
- Mixed light measuring

# Ceiling mounted occupancy detectors

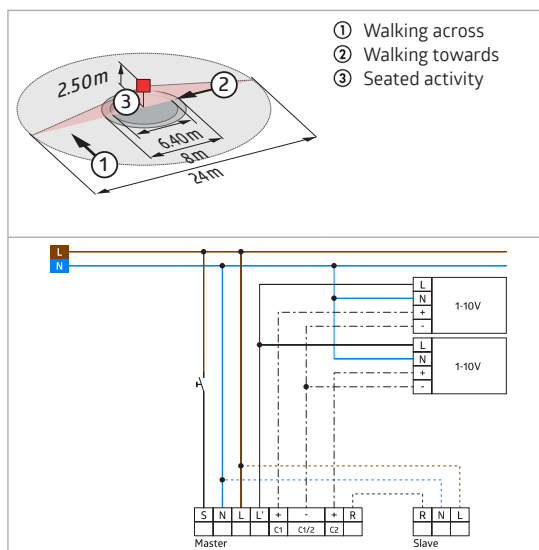
## Product and accessory

Description	Colour	Part no.
PD4-M-DUO-DIM-FC	white mat, similar to RAL9010	92272
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PDim	-	92200
IR-PD-DIM-Mini	-	92098
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- Two 1-10 V interfaces for control of dimmable electronic ballasts
- One common detection area
- Two independent, movable light sensors
- Manual switching and dimming via push button possible
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ FC= Ø 97 × 103 mm
- Ⓢ approx. 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 and Channel 2 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- Ⓢ 1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 2 dim outputs 1-10 V DC, up to 25 ballasts per channel
- Ⓢ 1 min – 30 min
- Ⓢ 10 – 2000 Lux
- Ⓢ Mixed light measuring

# Ceiling mounted occupancy detectors

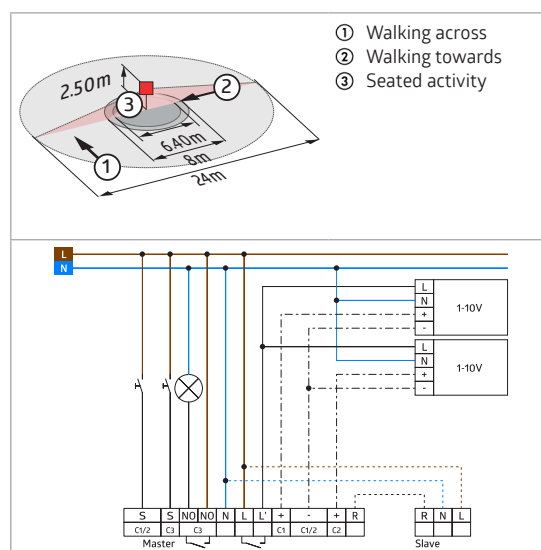
## Product and accessory

Description	Colour	Part no.
PD4-M-TRIO-DIM-FC	white mat, similar to RAL9010	92735
PD4-M-TRIO-DIM-SM	white mat, similar to RAL9010	92730
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD4-TRIO	-	92097
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 PD4-TRIO-SM	white	92386



## Product Information

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- One potential-free switching channel for control of equipment (HVAC) or lighting
- One common detection area
- Two independent, movable light sensors
- Manual switching and dimming via push button possible
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Two 1-10 V interfaces for control of dimmable electronic ballasts
- Additional functions can be set up using the optional remote control.
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4



## Technical Data

- 110 – 240 V AC 50 / 60 Hz
- SM= Ø 124 x 85 mm
- FC= Ø 117 x 100 mm
- approx. 0.6 W
- horizontal 360° (Ceiling mounting)
- max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 450 m² / 2.5 m mounting height
- 2 m / 10 m / 2.5 m
- SM= IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 and Channel 2 (lighting control)**
- 3000 W, cos φ = 1; 1500 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 2 dim outputs 1-10 V DC, up to 25 ballasts per channel
- 20 % / OFF / ∞
- Channel 3 (HVAC control or lighting control, potential-free (dry))**
- Switching power: 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 300 W LED
- max. inrush current I<sub>p</sub> (20ms) = 165 A, (200 μs) = 800 A
- Type of contact: 1x μ-contact, dry NO contact with tungsten pre-make contact
- Channel 1 to channel 3**
- 1 min – 60 min
- 10 – 2000 Lux
- Mixed light measuring

## Ceiling mounted occupancy detectors

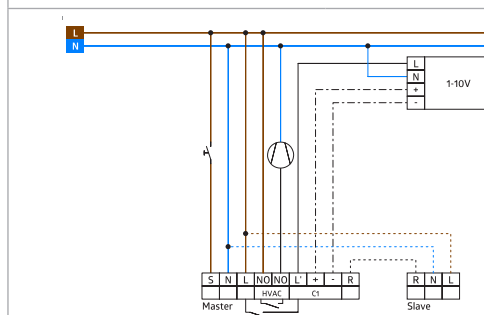
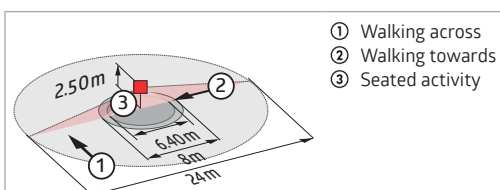
## Product and accessory

Description	Colour	Part no.
PD4-M-DIM-HVAC-3A-FC	white mat, similar to RAL9010	92507
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DIM-HVAC	-	92114
IR-PD-DIM-Mini	-	92098
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992




















## Product Information

- Occupancy detector for daylight-dependent lighting control
- 1 – 10 V interface for control of dimmable electronic ballast
- Additional switching channel for the following function:  
Cut-Off (complete ECG switch-off to avoid standby losses).
- One additional potential-free (dry) contact for HVAC
- Manual switching and dimming via push button possible
- Orientation light function
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4



## Technical Data

-  110 – 240 V AC 50 / 60 Hz  
 FC = Ø 97 × 103 mm  
 approx. 0.6 W  
 horizontal 360° (Ceiling mounting)  
 max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated  
 450 m² / 2.5 m mounting height  
 2 m / 10 m / 2.5 m  
 IP  FC = IP20 / Class II  
 -25 °C to +50 °C  
 polycarbonate, UV-resistant
- Channel 1 (lighting control)**  
 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;  
 max. inrush current Ip (20 ms) = 165 A; max. inrush  
 current I<sub>p</sub> (200 μs) = 800 A  
 1x μ-contact, NO contact with tungsten pre-make  
 contact  
 1 – 10 V DC, up to 50 ballasts  
 1 min – 30 min  
 10 – 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**  
 PD4-M-DIM-HVAC-3A-FC: **3 A**, 230 V, cos φ = 1; PD4-M-  
 DIM-HVAC-16A-FC: **16 A**, 230 V, cos φ = 1  
 dry NO contact  
 5 min – 120 min, Alarm pulse, Pulse  
 Mixed light measuring

# Ceiling mounted occupancy detectors

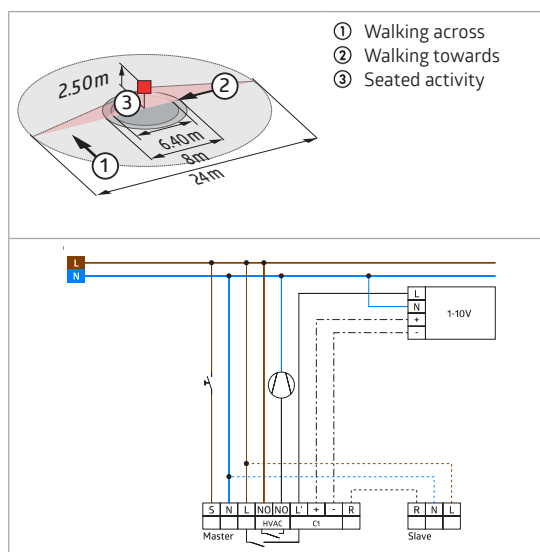
## Product and accessory

Description	Colour	Part no.
PD4-M-DIM-HVAC-16A-FC	white mat, similar to RAL9010	92547
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DIM-HVAC	-	92114
IR-PD-DIM-Mini	-	92098
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

- Occupancy detector for daylight-dependent lighting control
- 1 – 10 V interface for control of dimmable electronic ballast
- Additional switching channel for the following function:  
Cut-Off (complete ECG switch-off to avoid standby losses).
- One additional potential-free (dry) contact for HVAC
- Manual switching and dimming via push button possible
- Orientation light function
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4



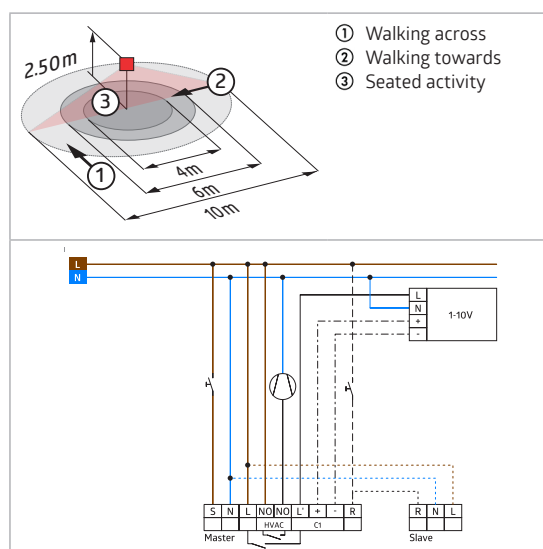
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ FC= Ø 97 × 103 mm
- Ⓢ approx. 0.6 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
  - 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
  - max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
  - 1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 1 – 10 V DC, up to 50 ballasts
- Ⓢ 1 min – 30 min
- Ⓢ 10 – 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**
  - PD4-M-DIM-HVAC-3A-FC: 3 A, 230 V, cos φ = 1; PD4-M-DIM-HVAC-16A-FC: 16 A, 230 V, cos φ = 1
  - dry NO contact
  - 5 min – 120 min, Alarm pulse, Pulse
  - Mixed light measuring

# Ceiling mounted occupancy detectors

## Product and accessory

Description	Colour	Part no.
PD9-M-DIM-HVAC-FC	white mat, similar to RAL9010	92973
Blinds Mini-Occupancy detector PD9	transparent	32702
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DIM-HVAC	-	92114
IR-PD-DIM-Mini	-	92098
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini occupancy detector for light switching with additional potential-free (dry) contact
- 1 – 10 V interface for control of dimmable electronic ballast
- Orientation light function
- Additional switching channel for the following function: Cut-Off (complete ECG switch-off to avoid standby losses).
- One additional potential-free (dry) contact for HVAC
- Manual switching and dimming via push button possible
- **Easy operation with remote control (required)**
- Version as master device
- Detection area can be extended with slave devices
- Relay with tungsten pre-make contact, optimised for LED loads
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds
- Factory settings 5 min and 300 lux (15 min HVAC)

## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⏏ Sensor head: Ø 45 × 28 mm, Power supply: 165 × 24 × 24 mm
- ⏏ approx. 0.8 W
- ⏏ horizontal 360° (Ceiling mounting)
- ⏏ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⏏ 78 m² / 2.5 m mounting height
- ⏏ 2 m / 5 m / 2.5 m
- ⏏ IP20 / Class II
- ⏏ -25 °C to +50 °C
- ⏏ polycarbonate, UV-resistant
- ⏏ 45 cm, screened
- Channel 1 (lighting control)**
- ⏏ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- ⏏ 1x μ-contact, NO contact with tungsten pre-make contact
- ⏏ 1-10 V DC, up to 50 ballasts
- ⏏ 1 min – 30 min
- ⏏ 10 – 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**
- ⏏ 3 A (230 V), cos φ = 1
- ⏏ μ-contact, dry NO contact
- ⏏ 5 min – 60 min, Pulse
- ⏏ Mixed light measuring



# Modern lighting control with DALI Compact solutions

## Safe planning and calculation with B.E.G. DALI

B.E.G. DALI Compact products are "standalone solutions", and work on the single master principle. This means that only the occupancy detector sends the switching/dimming signal to all the lights.




The B.E.G. DALI Compact occupancy detectors combine all the components needed for energy-efficient lighting control in one case: the DALI power supply, push-button control, relay and application controller are housed directly in the detector case. Thanks to the broadcast process and the factory settings for set value brightness (500 lux) and follow-up time (10 minutes), devices can be commissioned quickly. The B.E.G. DALI range contains occupancy detectors to suit almost any requirement: for example with different sizes of detection area, with up to three DALI interfaces, with additional HVAC channel, with special corridor lenses or for high-bay applications. B.E.G. also offers an occupancy detector which can form multiple groups via only one DALI interface by addressing the connected lights.

The area to be monitored is enlarged cost-effectively using slave devices.



## Detector overview

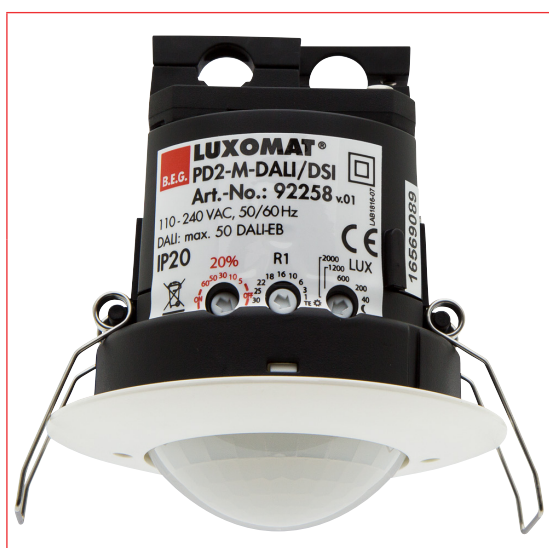
### Presence detector for DALI/DSI (DALI compact)

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2-M-DALI/DSI	75	92280	92258	–	■	■	■	Ø 10 m	–
PD4-M-DALI/DSI	76	92279	92275	–	■	■	■	Ø 24 m	–
PD4-M-DALI/DSI-C	77	92530	92328	–	■	■	■	max. Ø 40 m	corridor detector
PD4-M-DALI/DSI-GH	78	93015	–	–	■	■	■	max. Ø 30 m	large mounting height
PD9-M-DALI/DSI	79	–	92920	–	■	■	■	Ø 10 m	mini detector
PD9-M-DALI/DSI-GH	80	–	92938	–	■	■	■	Ø 6 m	large mounting height
PD2-M-DALI/DSI-1C	81	–	92486	–	■	■	■	Ø 10 m	with HVAC channel
PD2-M-DALI/DSI-HVAC	82	–	92698	–	■	■	■	Ø 10 m	with HVAC channel
PD4-M-DALI/DSI-1C	83	92489	92488	–	■	■	■	Ø 24 m	with HVAC channel
PD4-M-DALI/DSI-HVAC	84	–	92699	–	■	■	■	Ø 24 m	with HVAC channel
PD4-M-DUO-DALI/DSI	85	–	92276	–	■	■	■	Ø 24 m	–
PD4-M-TRIO-DALI/DSI	86	92750	92755	–	■	■	■	Ø 24 m	–
PD4-M-TRIO-2DALI/DSI-1C	87	92751	92756	–	■	■	■	Ø 24 m	TRIO detector with additional relay contact
PD4-M-TRIO-2R-1D	88	–	92790	–	■	■	■	Ø 24 m	2 switching relays and 1 DALI output
PD4-M-HCL2	89	93485	93484	–	■	■	■	Ø 24 m	biodynamic lighting control
PD4-M-DAA4G	89	92743	92591	–	■	■	■	Ø 24 m	addressable DALI detector
PD4-S-DAA4G	90	92759	92721	–	■	■	■	Ø 24 m	DALI slave detector

# Occupancy detectors DALI Compact

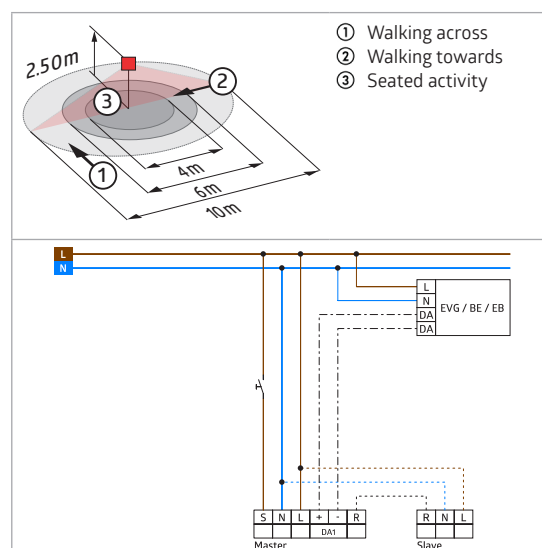
## Product and accessory

Description	Colour	Part no.
PD2-M-DALI/DSI-FC	white mat, similar to RAL9010	92258
PD2-M-DALI/DSI-SM	white mat, similar to RAL9010	92280
Blinds PD2-SM / PD4-SM	transparent	92260
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI	-	92094
IR-PD-DALI-E	-	92122
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Manual switching and dimming via push button possible
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Orientation light function
- Semi-automatic, full-automatic or twilight switch mode
- Factory settings 10 min and 500 lux



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ FC= Ø 80 × 85 mm
- Ⓢ SM= Ø 98 × 47 mm
- Ⓢ approx. 1 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ FC= IP20 / Class II
- Ⓢ SM= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ up to 50 DALI / DSI-EB
- Ⓢ 1 min – 30 min
- Ⓢ 10 – 30 % / OFF / 5 min – 60 min / ∞
- Ⓢ 10 – 2000 Lux
- Ⓢ Mixed light measuring

# Occupancy detectors DALI Compact

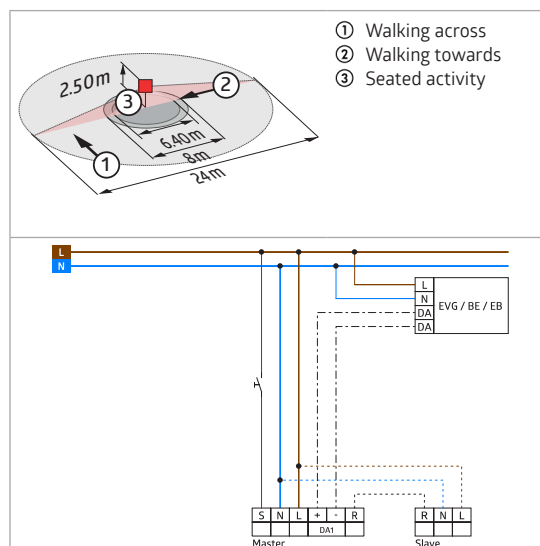
## Product and accessory

Description	Colour	Part no.
PD4-M-DALI/DSI-FC	white mat, similar to RAL9010	92275
PD4-M-DALI/DSI-SM	white mat, similar to RAL9010	92279
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI	-	92094
IR-PD-DALI-LD	-	92652
IR-PD-DALI-E	-	92122
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector with large detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Orientation light function
- Semi-automatic, full-automatic or twilight switch mode
- Factory settings 10 min and 500 lux



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ FC= Ø 97 x 103 mm
- Ⓢ SM= Ø 98 x 63 mm
- Ⓢ approx. 1 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ IP= IP20 / Class II
- Ⓢ SM= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)
- Ⓢ up to 50 DALI / DSI-EB
- Ⓢ 1 min – 30 min
- Ⓢ 10 – 30 % / OFF / 5 min – 60 min / ∞
- Ⓢ 10 – 2000 Lux
- Ⓢ Mixed light measuring

# Occupancy detectors DALI Compact

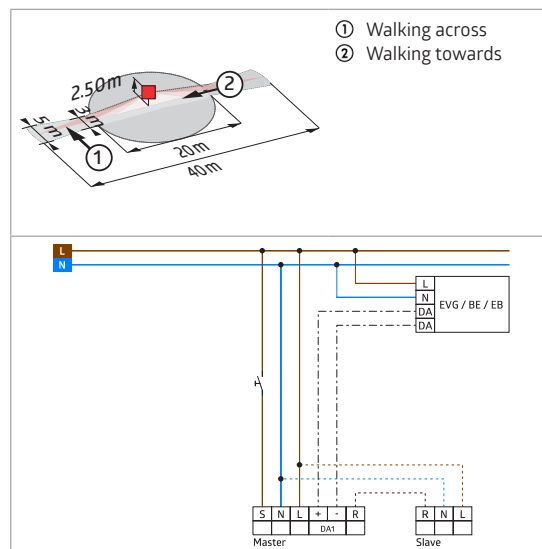
## Product and accessory

Description	Colour	Part no.
PD4-M-DALI/DSI-C-FC	white mat, similar to RAL9010	92328
PD4-M-DALI/DSI-C-SM	white mat, similar to RAL9010	92530
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI	-	92094
IR-PD-DALI-E	-	92122
IR-PD-DALI-LD	-	92652
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Occupancy detector designed for corridors, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Orientation light function
- Semi-automatic, full-automatic or twilight switch mode
- There are markings to ensure correct alignment during installation
- Factory settings 10 min and 500 lux



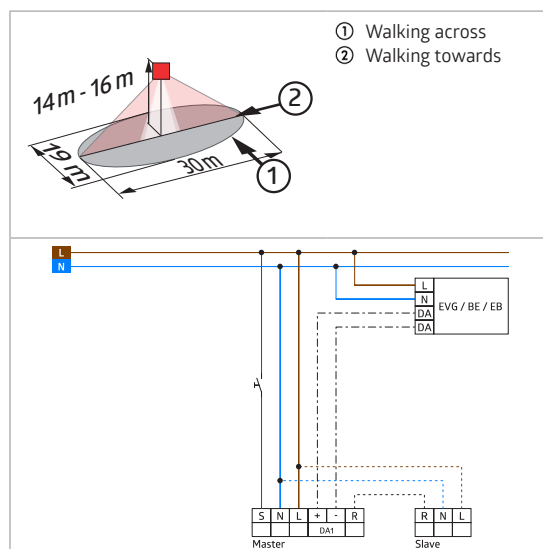
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- FC= Ø 97 × 103 mm
- SM= Ø 98 × 63 mm
- approx. 1 W
- horizontal 360° (Ceiling mounting)
- max. 40 m × 5 m across; max. 20 m × 3 m towards
- 250 m² / 2.5 m mounting height
- 2.4 m / 2.6 m / 2.5 m
- FC= IP20 / Class II
- SM= IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- up to 50 DALI / DSI-EB
- 1 min – 30 min
- 10 – 30 % / OFF / 5 min – 60 min / ∞
- 10 – 2000 Lux
- Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD4-M-DALI/DSI-GH-SM	white mat, similar to RAL9010	93015
IR-PD-DALI-Mini	-	92112
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726



## Product Information

- DALI occupancy detector for surface mounting in large mounting heights
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Logical switching or control output
- Orientation light function
- Semi-automatic, full-automatic or twilight switch mode
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Factory settings 10 min and 500 lux

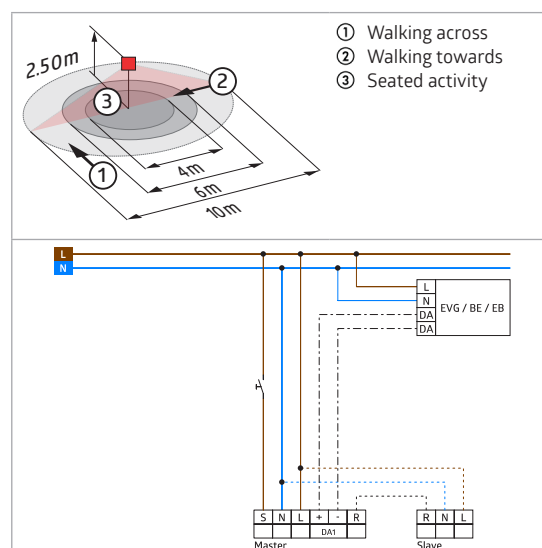
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 101 × 76 mm
- Ⓢ 0.9 W
- Ⓢ horizontal 360° oval (Ceiling mounting)
- Ⓢ 30 m × 19 m
- Ⓢ 440 m² / 14 m mounting height
- Ⓢ 5 m / 16 m / 14 m
- Ⓢ IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- up to 50 DALI / DSI-EB
- 1 min – 30 min
- 10 – 30 % / OFF / 5 min – 60 min / ∞
- 10 – 2500 Lux
- Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD9-M-DALI/DSI-FC	white mat, similar to RAL9010	92920
Blinds Mini-Occupancy detector PD9	transparent	32702
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI	-	92094
IR-PD-DALI-E	-	92122
IR-PD-DALI-Mini	-	92112
Cover IP65 for Sensor head PD9	transparent	92958
IR-PD-DALI-LD	-	92652
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with remote control
- Manual switching and dimming via push button possible
- Version as master device
- Orientation light function
- Detection area can be extended with slave devices
- **Easy operation with remote control (required)**
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Semi-automatic, full-automatic or twilight switch mode
- Includes 45 mm cover ring and blinds
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Factory settings 10 min and 500 lux

## Technical Data

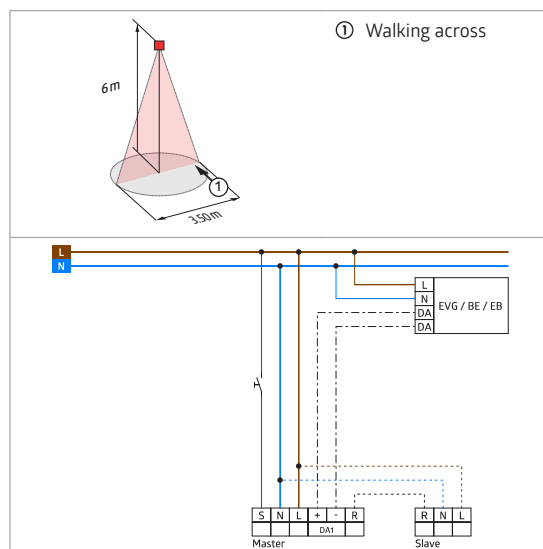
- ① 110 – 240 V AC 50 / 60 Hz
- ↳ Sensor head: Ø 45 × 28 mm, Power supply: 165 × 24 × 24 mm
- Ⓜ approx. 1 W
- ⌒ horizontal 360° (Ceiling mounting)
- ⚙ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⌚ 78 m² / 2.5 m mounting height
- ⌚ 2 m / 5 m / 2.5 m
- Ⓜ IP20 / Class II
- ⌚ -25 °C to +50 °C
- Ⓜ polycarbonate, UV-resistant
- ⌚ 45 cm
- Channel 1 (lighting control)**
- Ⓜ up to 50 DALI / DSI-EB
- ⌚ 1 min – 30 min
- ⌚ 10 – 30 % / OFF / 5 min – 60 min / ∞
- ⌚ 10 – 2000 Lux
- ⌚ Mixed light measuring



# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD9-M-DALI/DSI-GH-FC	white mat, similar to RAL9010	92938
Cover PD9-GH 1/2	white	92952
Cover PD9-GH	white	92953
IR-PD-DALI	-	92094
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI-LD	-	92652
IR-PD-DALI-E	-	92122
IR-PD-DALI-Mini	-	92112
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini occupancy detector for daylight-dependent lighting control, especially for large mounting heights
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with remote control
- Orientation light function
- Version as master device
- Detection area can be extended with slave devices
- Light regulation feasible up to 5 m mounting height
- **Easy operation with remote control (required)**
- Manual switching and dimming via push button possible
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Semi-automatic, full-automatic or twilight switch mode
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blind
- Factory settings 10 min and 500 lux

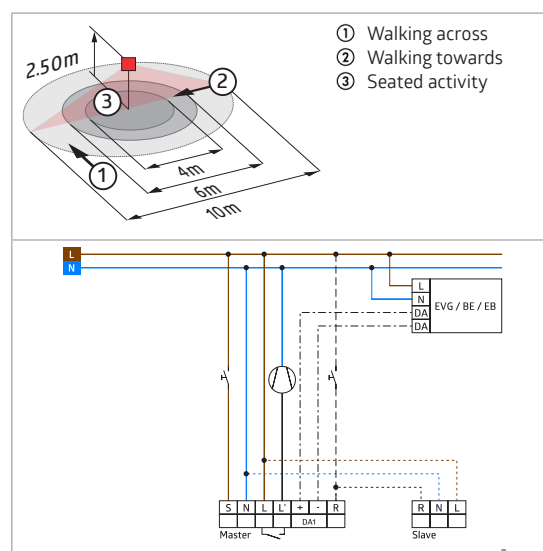
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Sensor head: Ø 45 × 41 mm, Power supply: 165 × 24 × 24 mm
- Ⓢ approx. 1 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 3.5 m across
- Ⓢ 9 m² / 6 m mounting height
- Ⓢ 5 m / 10 m / 6 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ 45 cm
- Channel 1 (lighting control)**
- Ⓢ up to 50 DALI / DSI-EB
- Ⓢ 1 min – 30 min
- Ⓢ 10 – 30 % / OFF / 5 min – 60 min / ∞
- Ⓢ 10 – 2000 Lux
- Ⓢ Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD2-M-DALI/DSI-1C-FC	white mat, similar to RAL9010	92486
PD2-M-DALI/DSI-1C-SM	white mat, similar to RAL9010	93033
Wall holder PD4-SM	white	92441
Blinds PD2-SM / PD4-SM	transparent	92260
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI-1C	-	92116
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Additional switching channel for one of the following two functions:  
Cut-Off (complete ECG switch-off to avoid standby losses) or HVAC (for the energy-efficient control of heating, air-conditioning or ventilation systems or for displaying occupancy)
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- Semi-automatic, full-automatic or twilight switch mode
- Factory settings 10 min and 500 lux

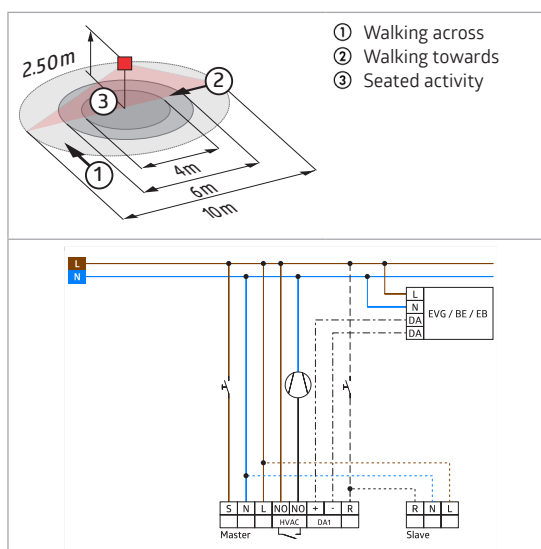
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- FC= Ø 80 x 85 mm
- SM= Ø 102 x 58 mm
- approx. 1 W
- horizontal 360° (Ceiling mounting)
- max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 78 m² / 2.5 m mounting height
- 2 m / 5 m / 2.5 m
- FC= IP20 / Class II
- SM= IP54 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- up to 50 DALI / DSI-EB
- 1 min – 30 min
- 20 % / OFF / 5 min – 60 min / ∞
- 10 – 2000 Lux
- Channel 2 (HVAC or lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;
- max. inrush current I<sub>p</sub> (20 ms) = 165 A
- 1x µ-contact, NO contact with tungsten pre-make contact
- 5 min – 120 min, Alarm pulse, Pulse
- Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD2-M-DALI/DSI-HVAC	white mat, similar to RAL9010	92698
IR-Adapter for Smartphones	black	92726
IR-PD-DALI-1C	-	92116
BLE-IR-Adapter	black	93067
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Additional potential-free switching channel for one of the following two functions:  
Cut-Off (complete ECG switch-off to avoid standby losses) or HVAC (for the energy-efficient control of heating, air-conditioning or ventilation systems or for displaying occupancy).
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- Semi-automatic, full-automatic or twilight switch mode
- Factory settings 10 min and 500 lux

## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 80 × 85 mm
- Ⓢ approx. 1 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ up to 50 DALI / DSI-EB
- Ⓢ 1 min – 30 min
- Ⓢ 20 % / OFF / 5 min – 60 min / ∞
- Ⓢ 10 – 2000 Lux
- Channel 2 (HVAC or lighting control, potential-free (dry))**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A, I<sub>p</sub> (200 μs) = 800 A
- Ⓢ 1x μ-contact, dry NO contact with tungsten pre-make contact
- Ⓢ 5 min – 120 min, Alarm pulse, Pulse
- Ⓢ Mixed light measuring

# Occupancy detectors DALI Compact

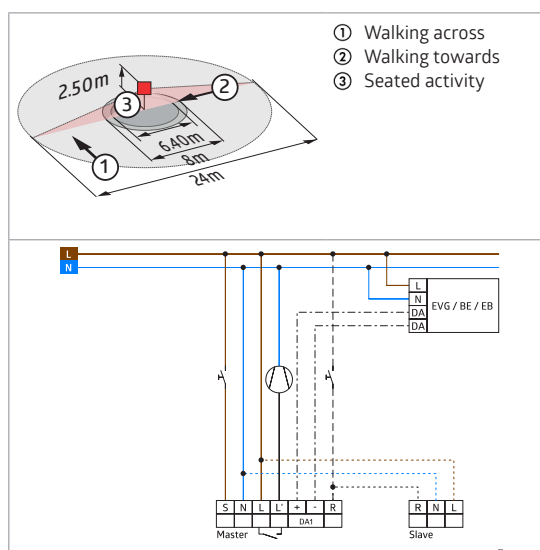
## Product and accessory

Description	Colour	Part no.
PD4-M-DALI/DSI-1C-FC	white mat, similar to RAL9010	92488
PD4-M-DALI/DSI-1C-SM	white mat, similar to RAL9010	92489
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI-1C	-	92116
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector with large detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Additional switching channel for one of the following two functions:  
Cut-Off (complete ECG switch-off to avoid standby losses) or HVAC (for the energy-efficient control of heating, air-conditioning or ventilation systems or for displaying occupancy)
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- Semi-automatic, full-automatic or twilight switch mode
- Factory settings 10 min and 500 lux



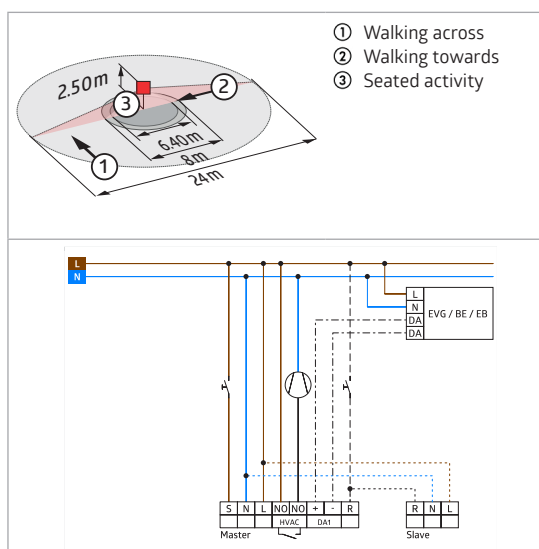
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- FC= Ø 97 x 103 mm  
SM= Ø 101 x 76 mm
- approx. 1 W
- horizontal 360° (Ceiling mounting)
- max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 450 m² / 2.5 m mounting height
- 2 m / 10 m / 2.5 m
- FC= IP20 / Class II  
SM= IP54 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- up to 50 DALI / DSI-EB
- 1 min – 30 min
- 20 % / OFF / 5 min – 60 min / ∞
- 10 – 2000 Lux
- Channel 2 (HVAC or lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;  
max. inrush current I<sub>p</sub> (20 ms) = 165 A, I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- 5 min – 120 min, Alarm pulse, Pulse
- Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD4-M-DALI/DSI-HVAC-FC	white mat, similar to RAL9010	92699
IR-Adapter for Smartphones	black	92726
IR-PD-DALI-1C	-	92116
BLE-IR-Adapter	black	93067
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector with large detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Additional potential-free switching channel for one of the following two functions:  
Cut-Off (complete ECG switch-off to avoid standby losses) or HVAC (for the energy-efficient control of heating, air-conditioning or ventilation systems or for displaying occupancy).
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- Semi-automatic, full-automatic or twilight switch mode
- Factory settings 10 min and 500 lux

## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 97 × 103 mm
- Ⓢ approx. 1 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
  - Ⓢ up to 50 DALI / DSI-EB
  - Ⓢ 1 min – 30 min
  - Ⓢ 20 % / OFF / 5 min – 60 min / ∞
  - Ⓢ 10 – 2000 Lux
- Channel 2 (HVAC or lighting control, potential-free (dry))**
  - Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A, I<sub>p</sub> (200 µs) = 800 A
  - Ⓢ 1x µ-contact, dry NO contact with tungsten pre-make contact
  - Ⓢ 5 min – 120 min, Alarm pulse, Pulse
  - Ⓢ Mixed light measuring

## Occupancy detectors DALI Compact

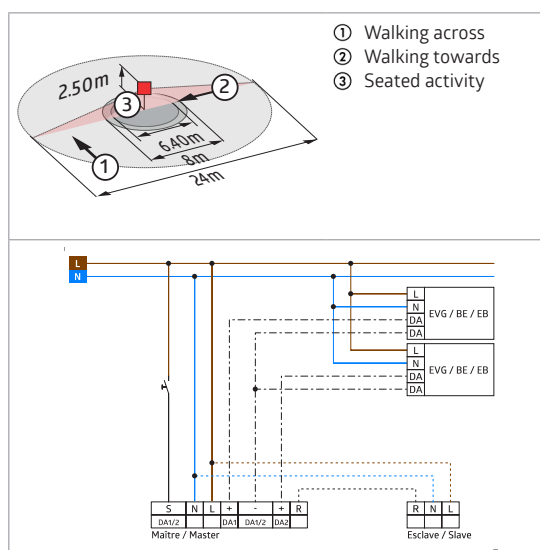
## Product and accessory

Description	Colour	Part no.
PD4-M-DUO-DALI/DSI-FC	white mat, similar to RAL9010	92276
IR-PD-DALI-LD	-	92652
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-DALI	-	92094
IR-PD-DALI-E	-	92122
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199

















## Product Information

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- One common detection area
- Two independent, movable light sensors
- 2 DALI/DSI interfaces for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programming possible with DIP switch and remote control
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Manual switching and dimming via push button possible
- Orientation light function
- Semi-automatic, full-automatic or twilight switch mode



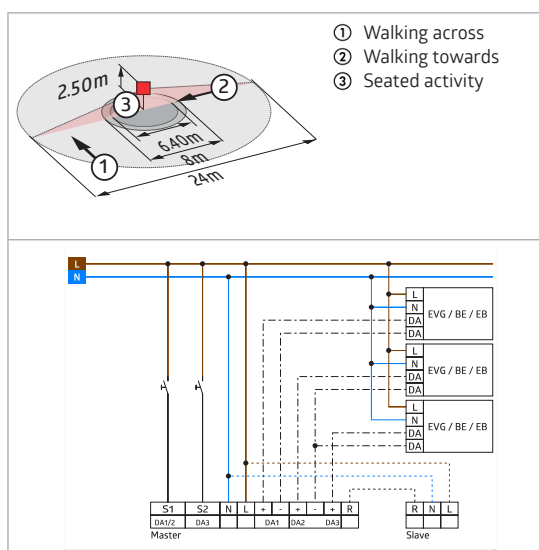
## Technical Data

-  110 – 240 V AC 50 / 60 Hz
-  Ø 97 × 103 mm
-  approx. 1 W
-  horizontal 360° (Ceiling mounting)
-  max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
-  450 m² / 2.5 m mounting height
-  2 m / 10 m / 2.5 m
-  IP20 / Class II
-  -25 °C to +50 °C
-  polycarbonate, UV-resistant
- Channel 1 and Channel 2 (lighting control)**
  -  up to 25 DALI / DSI-EB per channel
  -  1 min – 30 min
  -  20 % / 5 s – 60 min / ∞
  -  10 – 2000 Lux
  - Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD4-M-TRIO-DALI/DSI-FC	white mat, similar to RAL9010	92755
PD4-M-TRIO-DALI/DSI-SM	white mat, similar to RAL9010	92750
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD4-TRIO-DALI	-	92104
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 PD4-TRIO-SM	white	92386



## Product Information

- Occupancy detector for two lighting groups for daylight-dependent lighting regulation and a third lighting group for light switching
- Control of up to 25 digital dimming electronic ballasts and control modules as a group per DALI output 1 and 2, and up to 10 for DALI output 3
- Two independent, movable light sensors
- One common detection area
- Switching between DALI and DSI possible with remote control
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control.
- Orientation light function
- Semi-automatic, full-automatic or twilight switch mode

## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ SM= Ø 124 x 85 mm  
FC= Ø 117 x 100 mm
- Ⓢ approx. 2.2 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ SM= IP20 / Class II  
FC= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ **Channel 1 and Channel 2 (lighting control)**  
up to 25 DALI / DSI-EB per channel  
10 – 30 % / OFF / 1 min – 60 min / ∞
- Ⓢ **Channel 3 (lighting control)**  
**Channel 1 to channel 3**  
1 min – 60 min  
40 – 1200 Lux  
Mixed light measuring



# Occupancy detectors DALI Compact

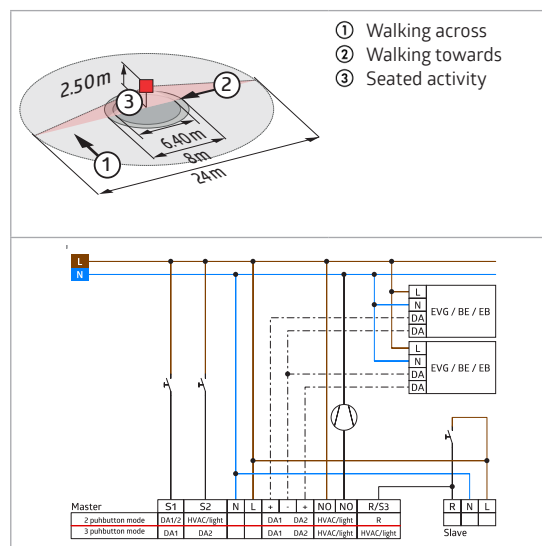
## Product and accessory

Description	Colour	Part no.
PD4-M-TRIO-2DALI/DSI-1C-FC	white mat, similar to RAL9010	92756
PD4-M-TRIO-2DALI/DSI-1C-SM	white mat, similar to RAL9010	92751
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD4-TRIO-DALI	-	92104
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 PD4-TRIO-SM	white	92386
PD4-S-SM	white mat, similar to RAL9010	92142
PD4-S-FM	white mat, similar to RAL9010	92163
PD4-S-FC	white mat, similar to RAL9010	92254



## Product Information

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- One potential-free switching channel for control of equipment (HVAC) or lighting
- Two independent, movable light sensors
- One common detection area
- 2 DALI/DSI interfaces for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with remote control
- Orientation light function
- Relay with tungsten pre-make contact, optimised for LED loads
- Version as master device
- Detection area can be extended with slave devices
- Manual switching and dimming via push button possible
- Semi-automatic, full-automatic or twilight switch mode
- Additional functions can be set up using the optional remote control.



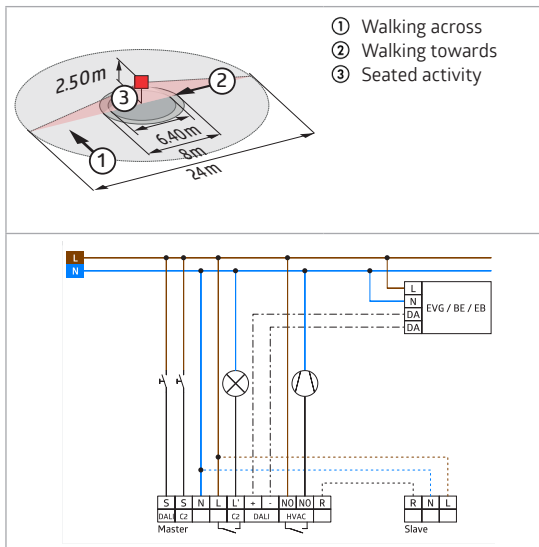
## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 124 × 85 mm
- FC= Ø 117 × 100 mm
- approx. 2 W
- horizontal 360° (Ceiling mounting)
- max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 450 m² / 2.5 m mounting height
- 2 m / 10 m / 2.5 m
- SM= IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 and Channel 2 (lighting control)**
- up to 25 DALI / DSI-EB per channel
- 10 – 30 % / OFF / 1 min – 60 min / ∞
- Channel 3 (HVAC control or lighting control, potential-free (dry))**
- Switching power: 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 300 W LED
- max. inrush current I<sub>p</sub> (20ms) = 165 A, (200 μs) = 800 A
- Type of contact: 1x μ-contact, dry NO contact with tungsten pre-make contact
- Channel 1 to channel 3**
- 1 min – 60 min
- 10 – 2000 Lux
- Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD4-M-TRIO-2R-1D-FC	white mat, similar to RAL9010	92790
IR-PD4-TRIO-2R1D	-	92473
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Occupancy detector with large detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One channel for light switching
- One potential-free switching channel for control of equipment (HVAC) or lighting
- Two independent, movable light sensors
- Switching between DALI and DSI possible with remote control
- Version as master device
- Manual switching and dimming via push button possible
- Detection area can be extended with slave devices
- Orientation light function
- Additional functions can be set up using the optional remote control.

## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 117 × 100 mm
- Ⓢ < 1 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ **Channel 1 (lighting control)**
- Ⓢ up to 25 DALI / DSI-EB
- Ⓢ 15 sec – 30 min
- Ⓢ 10 – 30 % / OFF / 1 min – 60 min / ∞
- Ⓢ 10 – 2000 Lux
- Ⓢ **Channel 2 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
- Ⓢ 1x µ-contact, NO contact with tungsten pre-make contact
- Ⓢ 15 s – 30 min, semi-automatic, full automatic (in common with channel 1)
- Ⓢ **Channel 3 (HVAC control or lighting control, potential-free (dry))**
- Ⓢ Switching power: 700 W, cos φ = 1
- Ⓢ 350 VA, cos φ = 0.5
- Ⓢ Type of contact: µ-contact dry NO contact with tungsten pre-make contact
- Ⓢ Mixed light measuring

## Occupancy detectors DALI Compact

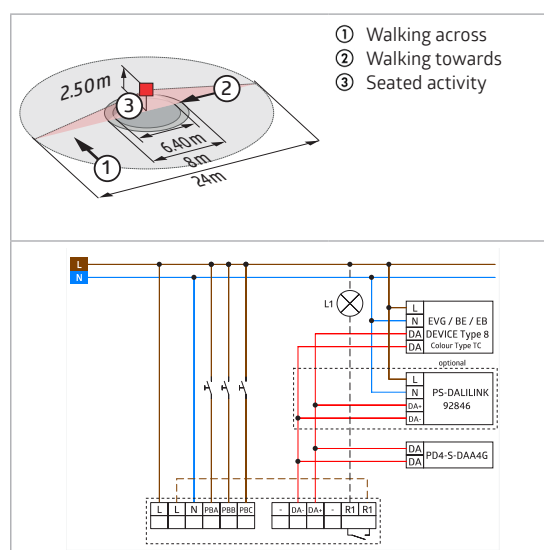
## Product and accessory

Description	Colour	Part no.
PD4-M-HCL2-FC	white, similar to RAL9010	93484
PD4-M-HCL2-SM	white, similar to RAL9010	93485
BLE-IR-Adapter	black	93067
PS-DALI-LINK-FC	white	92846
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Bidirectional occupancy detector with integrated DALI application controller for an energy-efficient and biologically effective light control (Human Centric Lighting)
- Integrated DALI power supply and 3 push-button inputs
- Preset and freely adjustable HCL curves (12 anchor points per 24h)
- Adjustable communication mode „Broadcast“ (1 light zone, without addressing) or „Multicast“ (several light zones, HVAC, with addressing)
- Dim-2-Warm: brightness and colour temperature can be infinitely adjusted simultaneously with a long keystroke
- Calling up lighting scenes using accessory
- Mixed light measurement with internal and external light sensor
- External light sensor can be swivelled by 45°
- Powerful switching relay for different operating modes, e.g. Cut-off function for DALI ballasts, HVAC, blackboard illumination.
- Quick commissioning and maintenance processes via Smartphone/Tablet App (Android, iOS) - No PC-Tool required
- Detection range can be extended with up to 8 B.E.G. BMS multisensors
- Up to 64 DT8 driver luminaires (Colour Type Tc), doubling the DALI output current with accessory may be necessary
- Complete range of functions can only be activated using the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).



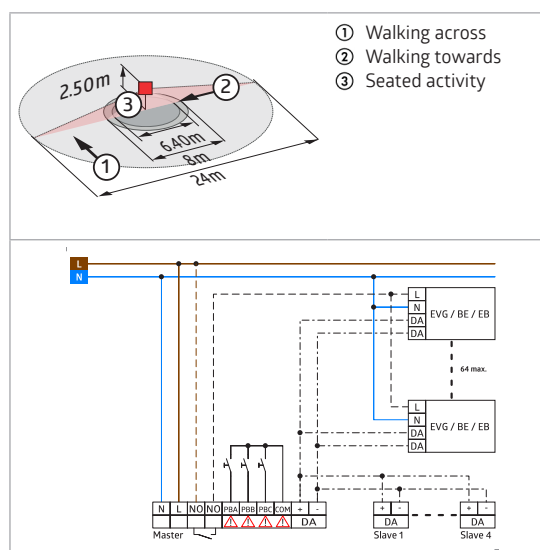
## Technical Data

- ① 230 V AC  $\pm 10\%$  50 Hz
- ⏏ FC = Ø 117 x 100 mm  
SM = Ø 124 x 85 mm
- ⏏ approx. 2 W
- ⏏ horizontal 360° (Ceiling mounting)
- ⏏ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- ⏏ 450 m² / 2.5 m mounting height
- ⏏ 2 m / 10 m / 2.5 m
- ⏏ FC = IP20 / Class II  
SM = IP20 / Class II
- ⏏ -25 °C to +50 °C
- ⏏ polycarbonate, UV-resistant
- DALI Control**
- ⏏ 100 mA (null), 120 mA (max.)
- ⏏ DT5, DT6, DT7, DT8-Tc (HCL only possible with DT8-Tc, 2700 – 6500 K)
- ⏏ B.E.G. BMS (motion detection)
- ⏏ 1 min – 150 min
- ⏏ 5 – 100 % / OFF / 1 min – 255 min / ∞
- ⏏ 10 – 2500 Lux
- Relay (dry NO)**
- ⏏ 2300 W,  $\cos \varphi = 1$ ; 1150 VA,  $\cos \varphi = 0.5$ ; 300 W LED; max. inrush current  $I_p$  (20 ms) = 165 A,  $I_p$  (200  $\mu$ s) = 800 A
- ⏏ 1x  $\mu$ -contact, NO contact
- ⏏ 5 s – 120 min (HVAC)

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD4-M-DAA4G-FC	white mat, similar to RAL9010	92591
PD4-M-DAA4G-SM	white mat, similar to RAL9010	92743
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
IR-Adapter for Smartphones	black	92726
PD4-S-DAA4G-FC	white mat, similar to RAL9010	92721
PD4-S-DAA4G-SM	white mat, similar to RAL9010	92759
BLE-IR-Adapter	black	93067



## Product Information

- Flexible DALI Compact solution designed for conference rooms, training rooms and classrooms
- High-sensitivity occupancy detector with the capability to address up to 64 DALI electronic ballasts (EB) automatically, with segmented control via 4 groups
- Quick commissioning and maintenance processes via Smartphone/Tablet App (Android, iOS) - No PC-Tool required
- 3 lighting zones:  
A for main lighting with segmented constant light regulation via 3 DALI groups and offset control,  
B for lectern or blackboard lighting via separate DALI group,  
C for lectern or blackboard lighting by integrated relay
- Powerful switching relay for different operating modes, e.g. Cut-off function for DALI ballasts, HVAC, blackboard illumination.
- Manual switching or dimming via conventional pushbuttons
- Detection area can be extended with up to four Slave devices of type PD4-S-DAA4G
- Complete range of functions can only be activated using the B.E.G. IR Adapter or the BLE-IR-Adapter and a compatible Smartphone or Tablet (Android, iOS).
- External light sensor can be swivelled by 45°
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4

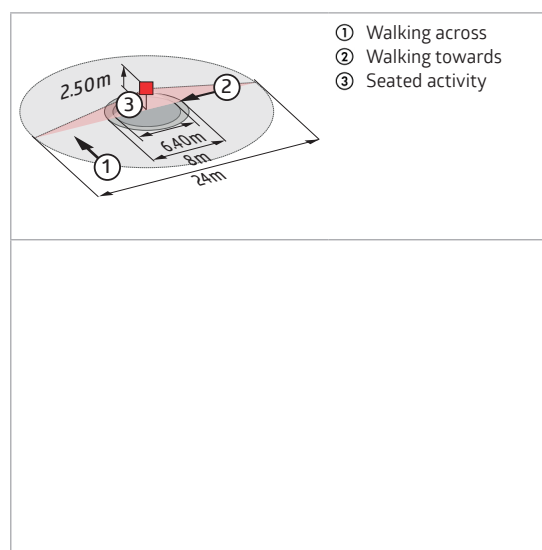
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ SM= Ø 124 x 85 mm  
FC= Ø 117 x 100 mm
- Ⓢ approx. 0.4 W
- Ⓢ horizontal 360° (Ceiling mounting)  
max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ SM= IP20 / Class II  
FC= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- DALI Control**  
up to 64 DALI ballasts, can be grouped into 3 DALI groups plus blackboard lighting or HVAC control
- Ⓢ 1 min – 150 min (Lighting zones)
- Ⓢ 10 – 30 % / OFF / 5 min – 60 min / ∞
- Ⓢ 10 – 2000 Lux
- Relay (dry NO)**  
2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED
- Ⓢ 5 s – 120 min (HVAC)
- Ⓢ Mixed light measuring

# Occupancy detectors DALI Compact

## Product and accessory

Description	Colour	Part no.
PD4-S-DAA4G-FC	white mat, similar to RAL9010	92721
PD4-S-DAA4G-SM	white mat, similar to RAL9010	92759
Wall holder PD4-SM	white	92441
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

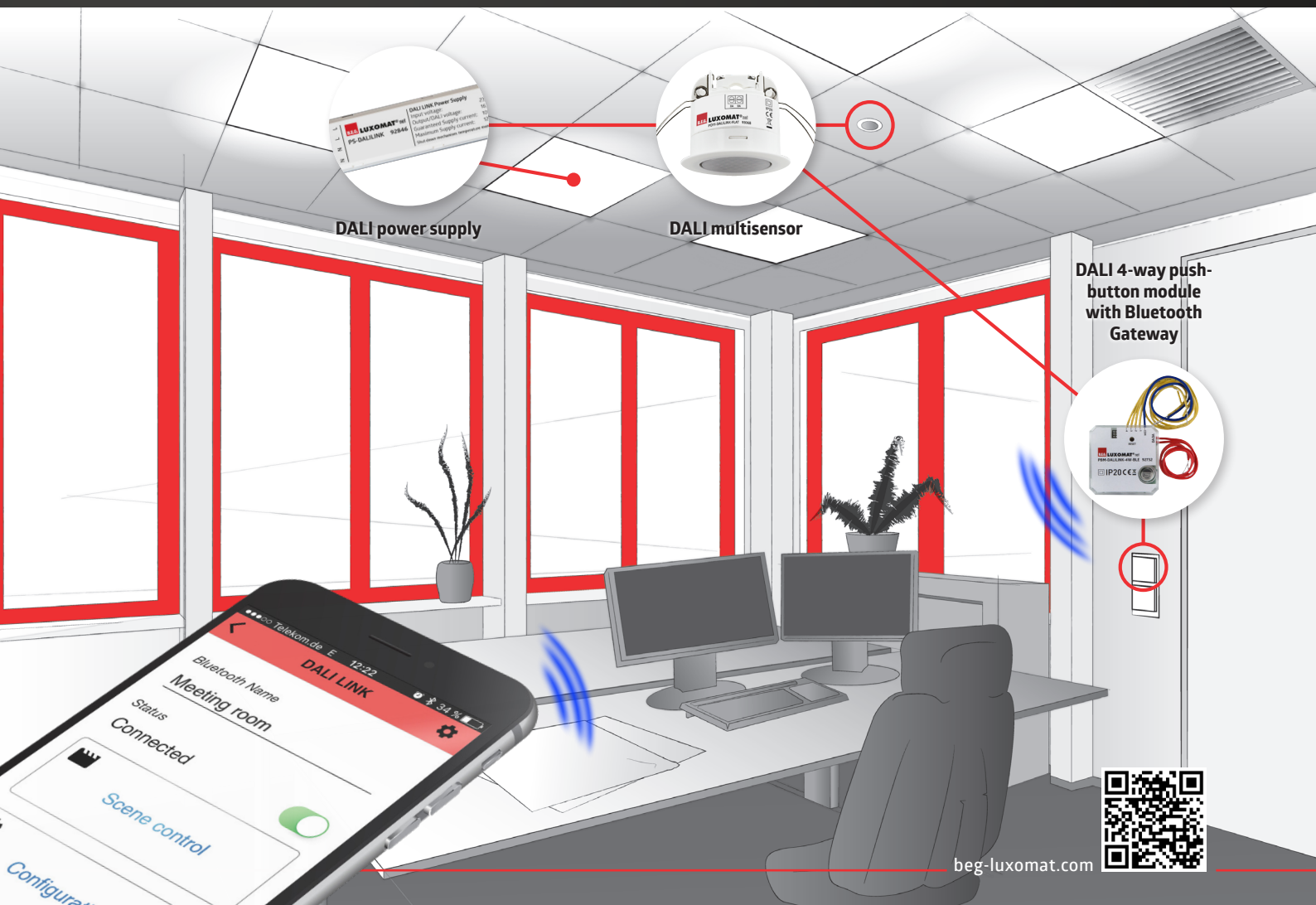
- DALI bus operated slave device
- For extension of the detection area of a master device PD4-M-DAA4G / PD4-M-HCL
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Automatic test mode via master device
- Plug & Play – no parameterisation required
- Easy to mount
- False ceiling or surface mount version available

## Technical Data

- ① 22 V DC via DALI Bus
- FC= Ø 98 x 96 mm
- SM= Ø 103 x 76 mm
- horizontal 360° (Ceiling mounting)
- max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 450 m² / 2.5 m mounting height
- 2 m / 10 m / 2.5 m
- FC= IP20 / Class II
- SM= IP54 / Class II
- 25 °C to +50 °C
- polycarbonate, UV-resistant
- up to 4 slave devices in combination with one PD4-M-DAA4G
- Pulse interval: 30 sec (in test mode 2 sec during 3 min)

## DALI LINK multiroom solution

- Starter set – all in one box
- Addressable multi-master Lighting Control System
- Supports DALI and DALI-2 luminaires
- Ideal for retrofitting
- Super flat multisensor
- Simple, intuitive operation
- Free Bluetooth app with 2 functions:
  - Scene control for end customer
  - Commissioning tool for installers





## The economical and flexible multiroom solution – DALI LINK

### Simple and expandable lighting control




With three components, user-friendly automation in the room is realized – from any smartphone it can be addressed quickly and easily via Bluetooth. The DALI LINK Starter Set contains all the components you need to implement lighting automation for your DALI luminaires: The super-flat, high-performance PD11 multisensor reliably detects brightness and movement in the room and thus enables intelligent lighting control. The innovative push-button interface is not only used to override the automatic control but also houses a Bluetooth interface. Via this interface, the room system can be controlled via smartphone or tablet. The power supply enables the system to be operated.





## Detector overview

### Occupancy detectors for DALI LINK

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD11-DALILINK-FLAT	95	–	93068	–	■	■	■	Ø 9 m	super flat
PD4N-DALILINK	96	–	93377	–	■	■	■	Ø 24 m	–
PD4-DALI-LINK-GH-SM	97	93845	–	–	■	■	■	30 m × 19 m	large mounting heights
PICO-DALI-LINK-FC	98	–	93908	–	■	■	■	Ø 10 m	mini multisensor
PBM-DALILINK-4W-BLE	99	–	–	92732	–	–	–	–	–
PBM-DALI-LINK-4W	100	–	–	93396	–	–	–	–	–

### Accessories for DALI LINK



#### DALI LINK Bluetooth pushbutton interface

- Parameterisation via B.E.G. BLE-App
- Voltage: 16 VDC DALI-BUS
- Cable length: max. 50 cm
- Follow-up time: 1 min - 150 min (staircase mode only)
- Can be combined with all 1 to 4-part switch surfaces of common manufacturers



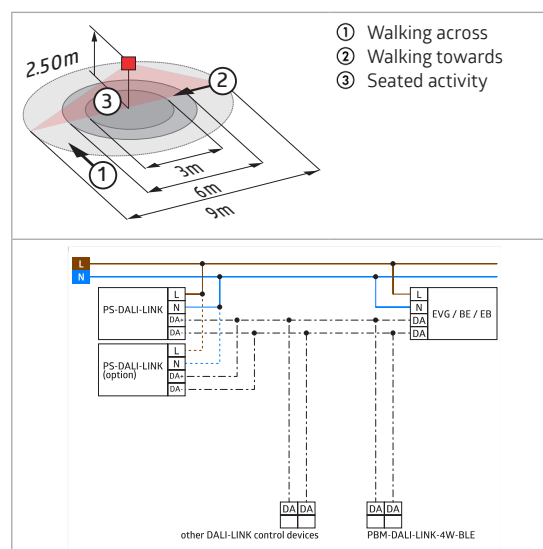
#### DALI LINK Power supply

- Voltage: 230 V AC
- Dimensions: 165 x 24 x 24 mm
- Short-circuit detection and overheating protection



## Product and accessory

Description	Colour	Part no.
PD11-DALI-LINK-FLAT-FC	white mat, similar to RAL9010	93068
IR-PD-DALI-Mini	-	92112
In-wall mounting set / PD11	white	92833
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
Square design frame PD11-FC	white mat, similar to RAL9010	92994
Surface mounting socket PD11	white	92121



## Product Information

- Low profile DALI multisensor (visible height: 0,85 mm)
- Powered via DALI bus
- Seamless integration in DALI lighting control system B.E.G. LUXOMAT<sup>®</sup>net DALI-LINK as modular multimaster option
- Multimaster-capable with slave function
- Measuring of mixed light thanks to internal light sensor
- Semi-automatic, full-automatic or twilight switch mode
- Integrated daylight harvesting circuit (or switch output)
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT<sup>®</sup>net DALI-LINK
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- Flush mounting with accessory 92833, surface mounting with accessories 92833 and 92121

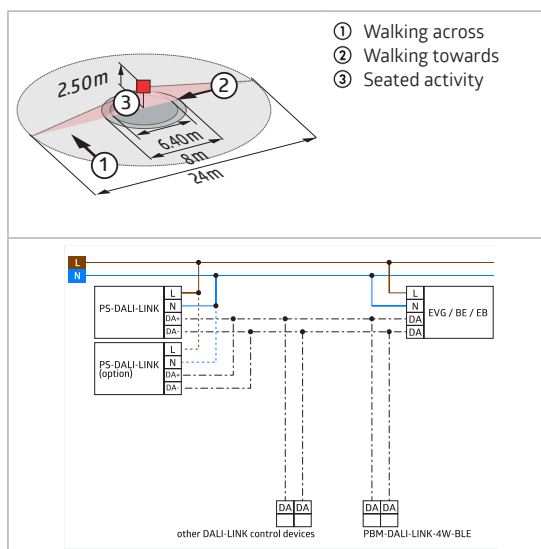
## Technical Data

- Ⓢ 9.5 – 22.5 V DC (typical 16 V) via DALI Bus
- Ⓢ Ø 52 × 48 mm
- ⚙ Settings: PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)
- Ⓢ 4 mA
- Ⓢ 0.1 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- Ⓢ 63 m<sup>2</sup> / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Connections and wires: for solid conductors 0.5 – 2.5 mm<sup>2</sup>
- Ⓢ 1 sec – 120 min
- Ⓢ 5 – 100 % / 1 min – 120 min / ∞
- Ⓢ 10 – 2500 Lux

# DALI-LINK

## Product and accessory

Description	Colour	Part no.
PD4N-DALI-LINK	white mat, similar to RAL9010	93377
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307
Corridor lens PD4N type A	transparent	93073



## Product Information

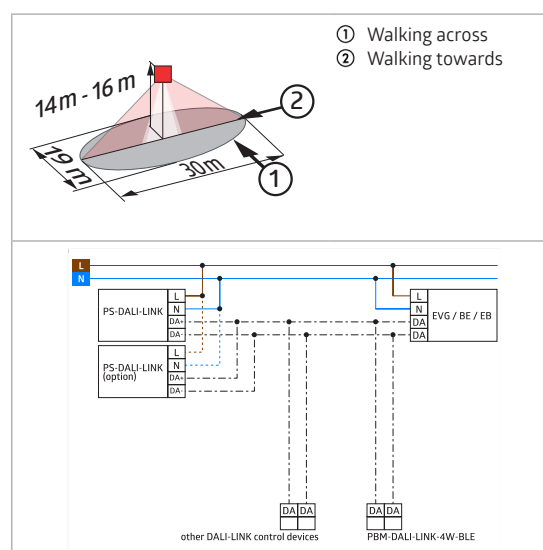
- Wide motion detection range DALI multisensor
- Powered via DALI bus
- Seamless integration in DALI lighting control system B.E.G. LUXOMAT®net DALI-LINK as modular multimaster option
- Multimaster-capable with slave function
- Mixed light measurement with internal and external light sensor
- Semi-automatic, full-automatic or twilight switch mode
- Integrated daylight harvesting circuit (or switch output)
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK
- Detection area can be restricted with blinds

## Technical Data

- Ⓢ 9.5 – 22.5 V DC (typical 16 V) via DALI Bus
- Ⓢ Ø 106 x 68 mm
- ⚙ Settings: PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)
- Ⓢ 7 mA
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 📐 450 m² / 2.5 m mounting height
- 📐 2 m / 10 m / 2.5 m
- 📐 IP20 / Class II
- 📐 -25 °C to +55 °C
- 📐 polycarbonate, UV-resistant
- 📐 1 sec – 120 min
- 📐 5 – 100 % / 1 min – 120 min / ∞
- 📐 10 – 2500 Lux

## Product and accessory

Description	Colour	Part no.
PD4-DALI-LINK-GH-SM	white mat	93845
Wall holder PD4-SM	white	92441
PS-DALI-LINK-FC	white	92846
PS-DALI-LINK-USB-REG	white	93189
PBM-DALI-LINK-4W-BLE	-	92732



## Product Information

- DALI multisensor for surface mounting in large mounting heights
- Powered via DALI bus
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Bright LED indication for commissioning
- Designed as multimaster device
- Logical switching or control output
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Seamless integration in DALI lighting control system B.E.G. LUXOMAT<sup>net</sup> DALI-LINK as modular multimaster option
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT<sup>net</sup> DALI-LINK
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**

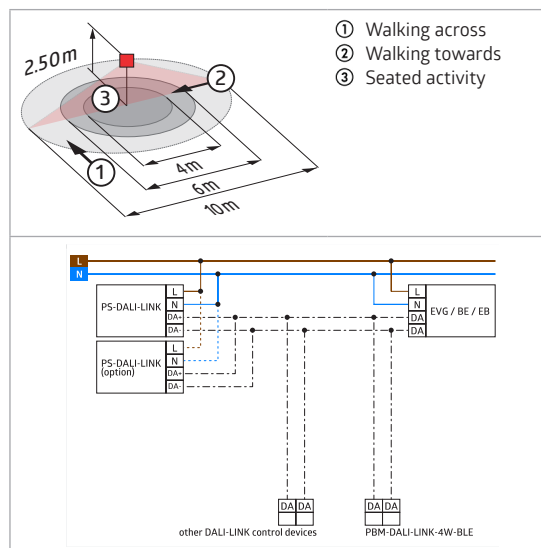
## Technical Data

- ① 16 V DC via DALI Bus
- ⏏ Ø 101 × 76 mm
- Ⓐ 7 mA
- 📐 horizontal 360° oval (Ceiling mounting)
- 📏 30 m × 19 m
- 📏 440 m<sup>2</sup> / 14 m mounting height
- 📏 5 m / 16 m / 14 m
- 📏 IP54 / Class II
- 🌡 -25 °C to +50 °C
- 📖 polycarbonate, UV-resistant
- 🕒 1 sec – 120 min
- 🌞 5 – 100 % / 1 min – 120 min / ∞
- ☀ 10 – 2500 Lux

# DALI-LINK

## Product and accessory

Description	Colour	Part no.
PICO-DALI-LINK-FC	white, similar to RAL9010	93908
Mounting set Pico	white/brown/black mat oder glossy	93804
IR-PD-DALI-Mini	-	92112



## Product Information

- Mini DALI multisensor with only 11mm installation depth for installation in luminaires
- Powered via DALI bus
- Seamless integration in DALI lighting control system B.E.G. LUXOMAT<sup>®</sup>net DALI-LINK as modular multimaster option
- Multimaster-capable with slave function
- Measuring of mixed light thanks to internal light sensor
- Semi-automatic, full-automatic or twilight switch mode
- Integrated daylight harvesting circuit (or switch output)
- Guided Light, Soft-Start PLUS, Orientation light PLUS
- Works out-of-the box for easy installation check
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT<sup>®</sup>net DALI-LINK
- Detection area can be restricted with blinds

## Technical Data

- Ⓢ 9.5 – 22.5 V DC (typical 16 V) via DALI Bus
- Ⓛ ⌀ 33 × 27 mm
- ⚙ Settings: PBM-DALI-LINK-4W-BLE + Smartphone with DALI-LINK App (iOS / Android)
- ⓐ 2 mA
- 📐 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📐 78 m<sup>2</sup> / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- 📐 IP20 / Class II
- 🌡 -25 °C to +55 °C
- 📦 polycarbonate, UV-resistant
- ☀ 10 – 2500 Lux

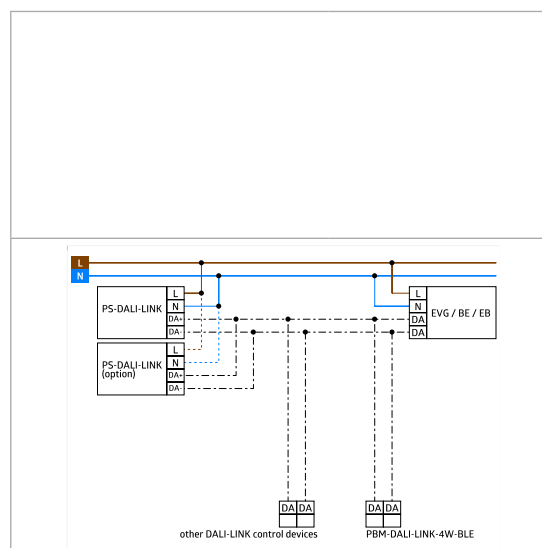
## Product and accessory

Description	Colour	Part no.
PBM-DALI-LINK-4W-BLE	–	92732



## Product Information

- DALI pushbutton module with 4 binary inputs and integrated Bluetooth gateway for hidden mounting behind flush mount switches.
- Parameterisation of the DALI-LINK solution via Bluetooth with a smartphone and the B.E.G. DALI-LINK App.
- 4 inputs for conventional push buttons, freely configurable
- Operating modes: Standard, staircase or scene mode
- Integrated buzzer to determine location of installed device
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK



## Technical Data

- ① 16 – 22.5 V DC (typical 16 V) via DALI Bus
- ↕ 38 × 38 × 14 mm
- ⚙ Settings: Smartphone with DALI-LINK App (iOS / Android)
- Ⓐ 7 mA
- IP IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Polycarbonate
- 📏 max. 50 cm
- 🕒 1 min – 150 min (staircase mode only)
- 📡 2.4 GHz ISM band, GFSK 3 dBm

## DALI-LINK

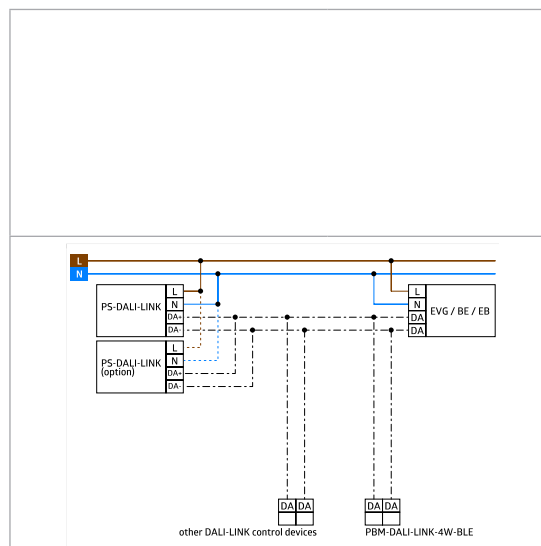
### Product and accessory

Description	Colour	Part no.
PBM-DALI-LINK-4W	white	93396



### Product Information

- Binary DALI input device for installation in in-wall sockets
- 4 inputs for conventional push buttons, freely configurable
- Operating modes: Standard, staircase or scene mode
- Integrated LED to determine location of dismantled device
- Integrated buzzer to determine location of installed device
- DIP- and HEX-switch for quick commissioning with basic functionality
- Full range of functions can only be activated with other products of the product group B.E.G. LUXOMAT®net DALI-LINK



### Technical Data

- Ⓢ 10 – 22 V via DALI Bus
- Ⓢ 38 × 38 × 12 mm
- Ⓢ Settings: via DIP switch, HEX switch, B.E.G. BLE App
- Ⓢ 7 mA
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ 50 cm
- Ⓢ 1 min – 150 min (staircase mode only)



# BMS multisensors for all your detection needs

## Multifunctional light management

The BMS multisensors offer the advantage over standard 24V multisensors that the 2-core DALI bus, which often exists already for the lighting, can be used.

The new DALI-2 standard offers the possibility to send sensor information such as movement, occupancy and light values without cyclical query in multi-master mode.

This information is standardised so that B.E.G.'s BMS multisensors can be used with all multimaster capable application controllers which support multisensors according to IEC 62386 parts 101, 103, 303 and 304.




Equipped with modern digital passive infrared sensors, the multisensors offer an excellent detection quality for movement and occupancy. The various multisensors, e.g. the small mini sensor "PICO" with an installation depth of only 11 mm, the super-flat PD11, or the high-bay detector PD4-BMS-GH a suitable detector for almost every application is available.

Light measurement with B.E.G.'s external light sensor is very reliant, and with the PD4-BMS-GH a constant light regulation is possible up to a mounting height of 16 m.



## Detector overview

### Occupancy detectors for BMS

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2N-BMS	103	–	93329	93337	■	■	■	Ø 10 m	–
PD4N-BMS	104	–	93311	–	■	■	■	Ø 24 m	–
PD4-BMS-C	105	93357	93332	–	■	■	■	Ø 40 m	corridor detectors
PD4-BMS-GH	106	93025	–	–	■	■	■	Ø 30 m	large mounting height
PICO-BMS	107	–	93924	–	■	■	■	Ø 10 m	–
PD11-BMS-FLAT	108	–	93330	–	■	■	■	Ø 9 m	super flat
Indoor 180-BMS	109	–	–	93397	■	■	■	max. 10 m	wall mounting

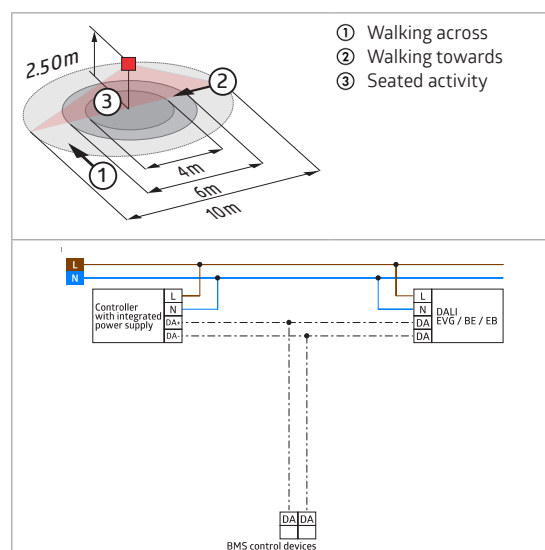
## Product and accessory

Description	Colour	Part no.
PD2N-BMS-FC DALI-2	white, similar to RAL9010	93543
PD2N-BMS-FM DALI-2	white, similar to RAL9010	93544
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307



## Product Information

- DALI-2 multisensor (input device)
- DALI-2 certified product
- Powered via DALI bus
- Bright LED indication for commissioning
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Mixed light measurement with internal and external light sensor
- Detection area can be restricted with blinds
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated



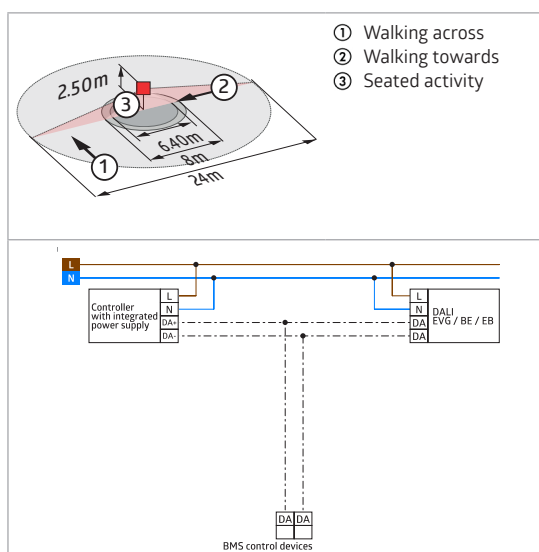
## Technical Data

- ① via DALI Bus, max. 22.5 V DC
- FC= Ø 83 × 55 mm
- FM= Ø 106 × 42 mm
- Settings: via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
- 7 mA
- horizontal 360° (Ceiling mounting)
- max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 78 m² / 2.5 m mounting height
- 2 m / 5 m / 2.5 m
- FC= IP20 / Class II
- FM= IP20 / Class II
- Measured light output: 0 – 4095 Lux, Mixed light measuring
- 25 °C to +55 °C
- polycarbonate, UV-resistant

## BMS DALI-2

### Product and accessory

Description	Colour	Part no.
PD4N-BMS DALI-2	white mat, similar to RAL9010	93546
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307
Corridor lens PD4N type A	transparent	93073



### Product Information

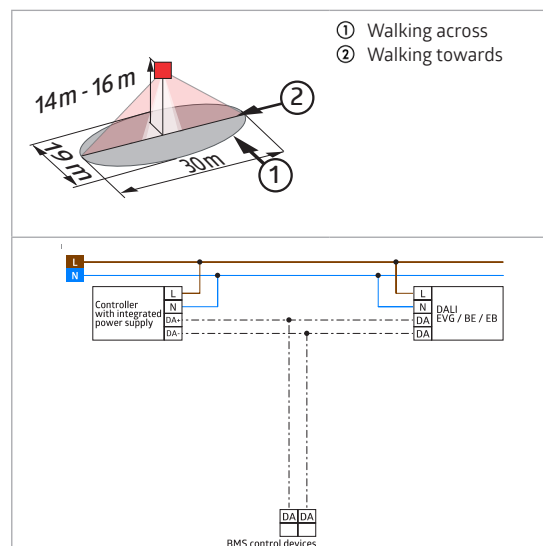
- Long-range DALI-2 multisensor (input device)
- DALI-2 certified product
- Powered via DALI bus
- Bright LED indication for commissioning
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Mixed light measurement with internal and external light sensor
- Suitable for mounting in false ceilings and flush-mounting
- Accessory for surface mounting available
- Detection area can be restricted with blinds
- Individual adaption of detection sensitivity for each PIR sensor
- Status LEDs can be activated / deactivated

### Technical Data

- Ⓢ via DALI Bus, max. 22.5 V DC
- Ⓛ ⌀ 106 × 68 mm
- ⚙ Settings: via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
- Ⓐ 7 mA
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- 📐 450 m² / 2.5 m mounting height
- 📐 2 m / 10 m / 2.5 m
- 📐 IP20 / Class II
- 📐 Measured light output: 0 – 4095 Lux, Mixed light measuring
- 📐 -25 °C to +55 °C
- 📐 polycarbonate, UV-resistant

## Product and accessory

Description	Colour	Part no.
PD4-BMS-GH-SM DALI-2	white mat, similar to RAL9010	93545
Wall holder PD4-SM	white	92441



## Product Information

- DALI-2 multisensor (input device) for surface mounting in large mounting heights
- DALI-2 certified product
- Powered via DALI bus
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- Bright LED indication for commissioning
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Mixed light measurement with external light sensor
- Detection area can be restricted with blinds
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**
- Individual adaption of detection sensitivity for each PIR sensor
- Status LEDs can be activated / deactivated

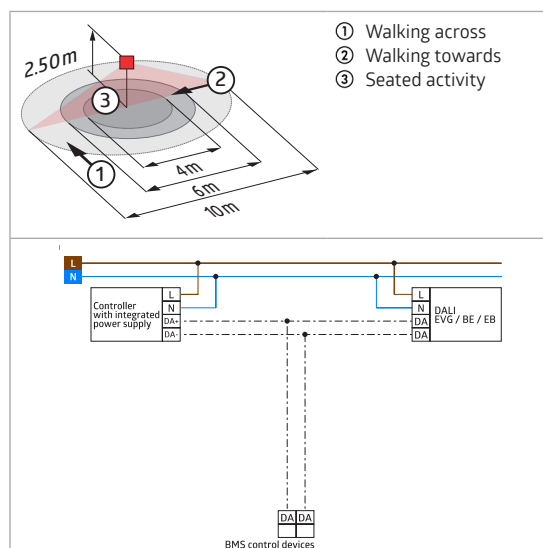
## Technical Data

- ① via DALI Bus, max. 22.5 V DC
- ⏏ Ø 101 × 76 mm
- ⚙ Settings: via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
- Ⓐ 7 mA
- 📐 horizontal 360° oval (Ceiling mounting)
- 📏 30 m × 19 m
- 📏 440 m² / 14 m mounting height
- 📏 5 m / 16 m / 14 m
- 📏 IP54 / Class II
- 💡 Measured light output: 0 – 4095 Lux, Mixed light measuring
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant

# BMS DALI-2

## Product and accessory

Description	Colour	Part no.
PICO-BMS DALI-2	white, similar to RAL9010	93547



## Product Information

- Particularly small DALI-2 multisensor (input device) with only 11mm installation depth for installation in luminaires
- DALI-2 certified product
- Powered via DALI bus
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Measuring of mixed light thanks to internal light sensor
- Detection area can be restricted with blinds
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated

## Technical Data

- Ⓢ via DALI Bus, max. 22.5 V DC
- Ⓛ Ⓜ Ø 33 × 27 mm
- ⚙ Settings: via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
- Ⓐ 7 mA
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📐 78 m² / 2.5 m mounting height
- 📐 2 m / 5 m / 2.5 m
- 📐 IP20 / Class II
- ☀ Measured light output: 0 – 4095 Lux, Mixed light measuring
- 🌡 -25 °C to +55 °C
- 📦 polycarbonate, UV-resistant
- ☀ 10 – 2500 Lux

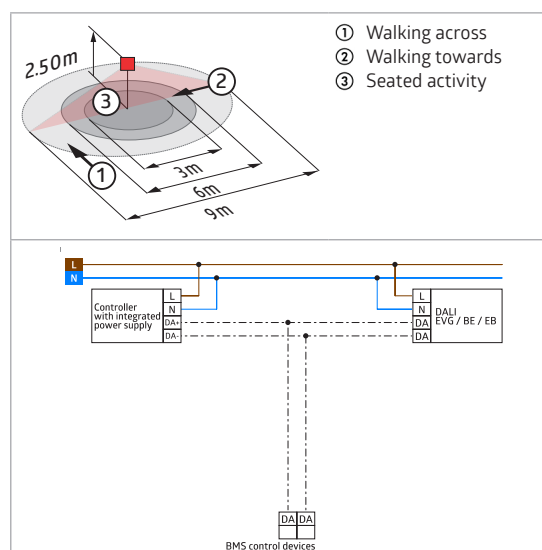
## Product and accessory

Description	Colour	Part no.
PD11-BMS-FLAT-FC DALI-2	white mat, similar to RAL9010	93542
In-wall mounting set / PD11	white	92833
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
Square design frame PD11-FC	white mat, similar to RAL9010	92994



## Product Information

- Low profile DALI-2 multisensor (input device) having a visible height of only 0.85 mm
- DALI-2 certified product
- Powered via DALI bus
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- With accessories for flush-mounting in ceiling and exposed concrete
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated



## Technical Data

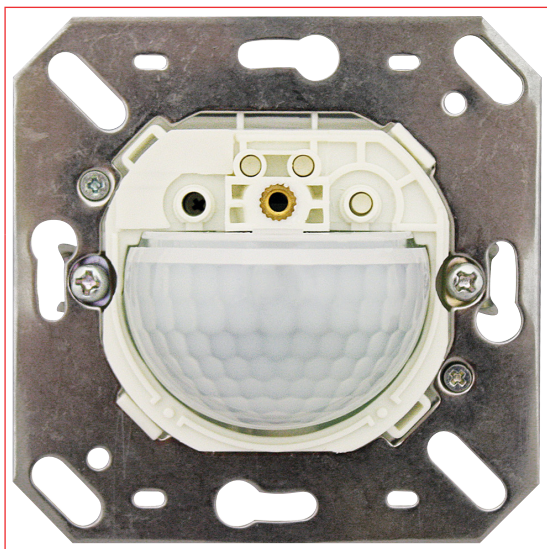
- Ⓢ via DALI Bus, max. 22.5 V DC
- Ⓛ Ⓜ Ø 52 × 48 mm
- ⚙ Settings: via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
- Ⓐ 7 mA
- 📐 horizontal 360° (Ceiling mounting)
- 📏 max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- 📐 63 m² / 2.5 m mounting height
- 📏 2 m / 5 m / 2.5 m
- 📦 IP20 / Class II
- ☀ Measured light output: 0 – 4095 Lux, Mixed light measuring
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant



# BMS DALI-2

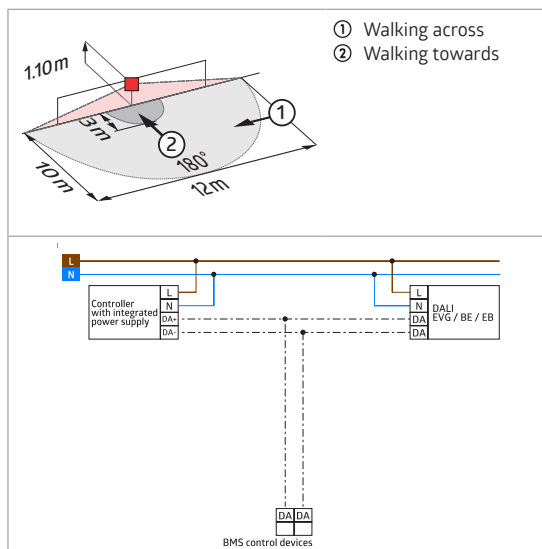
## Product and accessory

Description	Colour	Part no.
Indoor 180-BMS DALI-2 covering not included	white mat, similar to RAL9010	93540
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



## Product Information

- DALI-2 multisensor (input device), especially for installation in walls
- DALI-2 certified product
- Powered via DALI bus
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Measuring of mixed light thanks to internal light sensor
- Detection area can be restricted with blinds
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated



## Technical Data

- Ⓢ via DALI Bus, max. 22.5 V DC
- 📏 70 x 70 x 61 mm
- ⚙️ Settings: via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
- Ⓜ 7 mA
- 🔌 approx. 0.5 W
- 📐 horizontal 180° (Wall mounting)
- 📏 max. 10 m across; max. 3 m towards
- 📏 150 m² / 1.1 m mounting height
- 📏 1 m / 2.2 m / 1.1 m
- 📏 IP20 / Class II
- 🌞 Measured light output: 0 – 4095 Lux, Mixed light measuring
- 🌡 -25 °C to +55 °C
- 📦 polycarbonate, UV-resistant

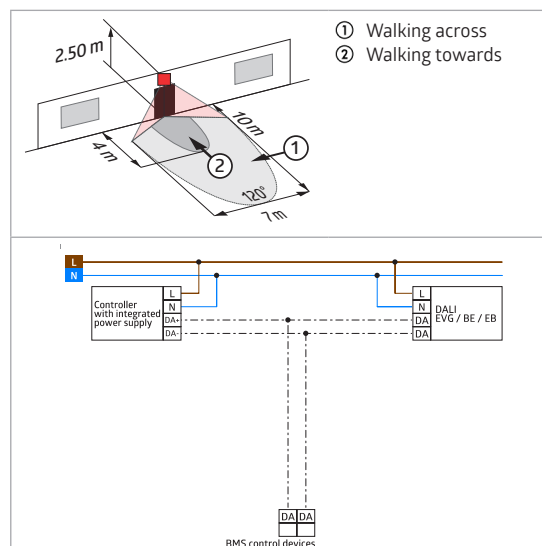
## Product and accessory

Description	Colour	Part no.
LC-Mini 120-BMS DALI-2	white mat, similar to RAL9010	93541
Wire basket BSK (Ø 164 x 143 mm)	white	92467



## Product Information

- DALI-2 multisensor (input device) with a detection area of 120°
- DALI-2 certified product
- Powered via DALI bus
- Adjustable ball head
- Detection area can be restricted with blinds
- DALI multimaster technology according to IEC 62386 part 103
- Instance 0 provides information regarding occupancy and movement for the DALI-Bus according to IEC 62386 part 303
- Instance 1 provides LUX values for the DALI-Bus according to IEC 62386 part 304
- Parameterisation is possible via mandatory Multimaster-Application-Controller of any manufacturer. This controller must support IEC 62386 parts 101/103/303/304.
- Individual adaption of the PIR sensor sensitivity
- Status LEDs can be activated / deactivated



## Technical Data

- Ⓢ via DALI Bus, max. 22.5 V DC
- 📏 80 × 70 × 55 mm
- ⚙️ Settings: via DALI-Bus and application which supports DALI multisensors according to IEC62386, parts 101, 103, 303 and 304
- Ⓜ️ 7 mA
- ⚡ approx. 0.5 W
- 📐 horizontal 120° (Wall mounting)
- 📏 max. 10 m across; max. 4 m towards
- 📏 100 m² / 2.5 m mounting height
- 📏 2 m / 3 m / 2.5 m
- 📦 IP44 / Class II
- 💡 Measured light output: 0 – 4095 Lux, Mixed light measuring
- 🌡️ -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant



### DALISYS – The building solution



PICO Relay module

PD11

DALI Power supply

DALI Router

- Networkable, modular multimaster design
- Combines management of normal lighting and emergency lighting, control of blinds and HVAC functions on one platform
- Decentralised control with distributed Intelligence, to provide a high level of operational reliability

- B.E.G. multisensors have no power supply, and are master and slave in one unit
- Wide range of multisensors (also for outdoor applications)
- Planning, commissioning and maintenance by B.E.G.

Further information can be found in our DALI catalogue.



## Cost reduction by using slave detectors

### Slave detectors – great potential for energy savings

The detection range of a master occupancy detector can be extended cost-efficiently with slave detectors.

Slave detectors do not measure light, but send a switching pulse to the master device when movement is detected.




With a master-slave combination, the master device as the light controller is always placed at the darkest point of the room.

The B.E.G. LUXOMAT® slave detectors were developed to meet different requirements. The PD2 for standard applications, the PD4 for long ranges and many more. B.E.G. offers the right detector for every requirement and will be happy to assist you in your selection.



## Detector overview

### Cost-effective extension of detection area with slave devices

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2-S	113	92152	92166	92156	–	■	–	Ø 10 m	–
PD4-S	114	92142	92254	92163	–	■	–	Ø 24 m	–
PD4-S-C	115	92442	92444	92445	–	■	–	max. Ø 40 m	corridor detector
PD4-S-GH	116	92265	–	–	–	■	–	Ø 30 m	large mounting height
PD4-S-DAA4G	90	92759	92721	–	–	■	–	Ø 24 m	compatible with PD4-M-DAA4G
PD9-S	117	–	92905	–	–	■	–	Ø 10 m	mini detector
PD9-S-GH	118	–	92928	–	–	■	–	Ø 6 m	large mounting height
PD9-S-SDB	119	–	92915	–	–	■	–	Ø 10 m	mini detector
PD9-S-SDB-GH	120	–	92933	–	–	■	–	Ø 6 m	large mounting height
PICO-S	121	–	92700	–	–	■	–	Ø 10 m	–
PD11-S	122	–	92593	–	–	■	–	Ø 9 m	super flat
Indoor 180-S	163	–	92135	–	–	■	–	max. r = 10 m	wall mounting

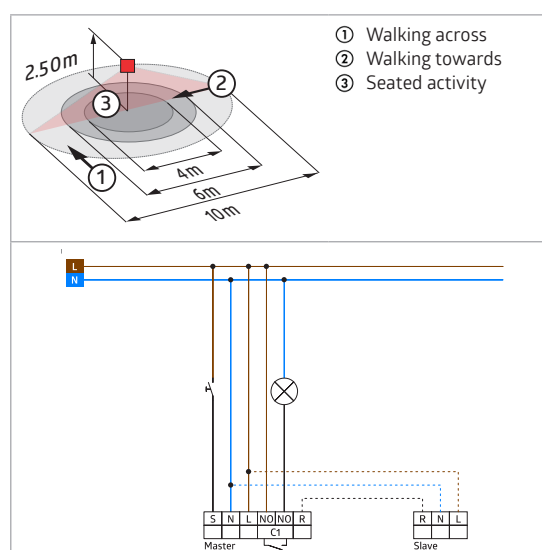
## Product and accessory

Description	Colour	Part no.
PD2-S-FC	white mat, similar to RAL9010	92166
PD2-S-SM	white mat, similar to RAL9010	92152
PD2-S-FM	white mat, similar to RAL9010	92156
Blinds PD2-SM / PD4-SM	transparent	92260
BLE-IR-Adapter	black	93067
Wall holder PD4-SM	white	92441
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socket IP54 for PD2- / PD4-SM	white	92161



## Product Information

- Slave device detector with circular detection area
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 98 x 50 mm
- FM= Ø 98 x 65 mm
- FC= Ø 80 x 85 mm
- ⏻ approx. 0.2 W
- ⌂ horizontal 360° (Ceiling mounting)
- ⚙ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⌂ 78 m² / 2.5 m mounting height
- ⌂ 2 m / 5 m / 2.5 m
- SM= IP20 / Class II
- FM= IP20 / Class II
- FC= IP20 / Class II
- ⌂ -25 °C to +50 °C
- ⌂ polycarbonate, UV-resistant
- ⌂ Pulse interval: 2 or 9 sec

## Slave

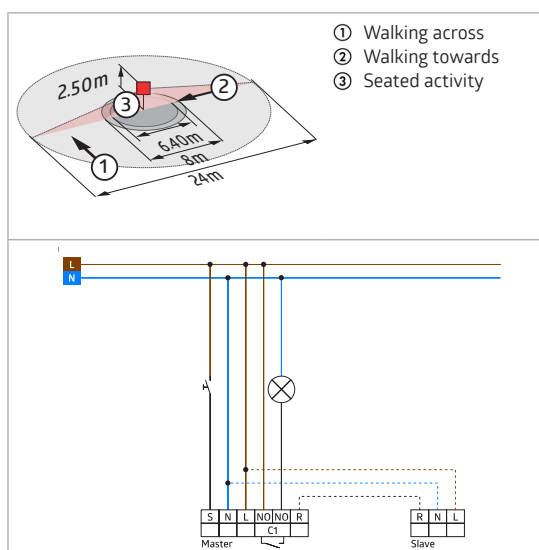
### Product and accessory

Description	Colour	Part no.
PD4-S-FC	white mat, similar to RAL9010	92254
PD4-S-SM	white mat, similar to RAL9010	92142
PD4-S-FM	white mat, similar to RAL9010	92163
BLE-IR-Adapter	black	93067
Wall holder PD4-SM	white	92441
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Surface mounting socket (IP65) PD4-SM IP54	white	92376
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



### Product Information

- Slave device detector with extended detection area
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- SM= Ø 101 × 76 mm
- FM= Ø 97 × 84 mm
- FC= Ø 97 × 103 mm
- Ⓢ approx. 0.2 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- SM= IP54 / Class II
- FM= IP20 / Class II
- FC= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Pulse interval: 2 or 9 sec



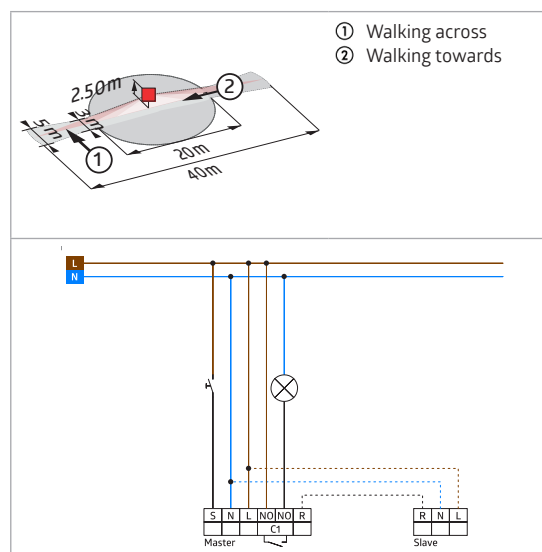
## Product and accessory

Description	Colour	Part no.
PD4-S-C-FC	white mat, similar to RAL9010	92444
PD4-S-C-SM	white mat, similar to RAL9010	92442
PD4-S-C-FM	white mat, similar to RAL9010	92445
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall holder PD4-SM	white	92441
Surface mounting socket (IP65) PD4-SM IP54	white	92376
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

- Slave device detector designed for corridors
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.
- There are markings to ensure correct alignment during installation



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- SM= Ø 101 x 76 mm
- FC= Ø 97 x 103 mm
- FM= Ø 97 x 84 mm
- ⏻ approx. 0.2 W
- 🌀 horizontal 360° (Ceiling mounting)
- 📐 max. 40 m x 5 m across; max. 20 m x 3 m towards
- 📏 250 m² / 2.5 m mounting height
- 📏 2.4 m / 2.6 m / 2.5 m
- SM= IP54 / Class II
- FC= IP20 / Class II
- FM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- ⏱ Pulse interval: 2 or 9 sec

# Slave

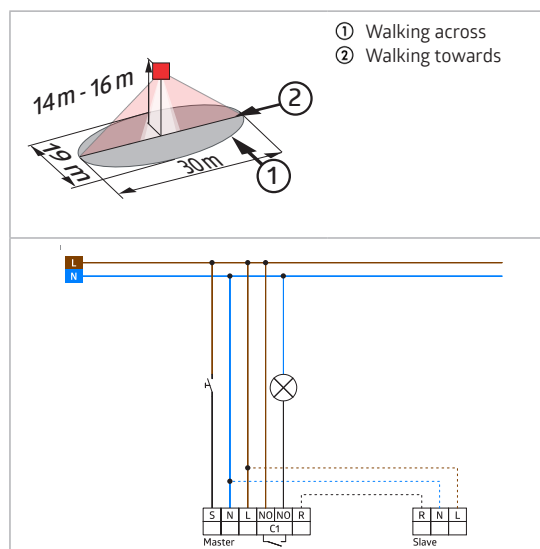
## Product and accessory

Description	Colour	Part no.
PD4-S-GH-SM	white mat, similar to RAL9010	92265
BLE-IR-Adapter	black	93067
Wall holder PD4-SM	white	92441
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Surface mounting socket (IP65) PD4-SM IP54	white	92376



## Product Information

- Slave device for high-bay applications
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 101 × 76 mm
- Ⓢ approx. 0.2 W
- Ⓢ horizontal 360° oval (Ceiling mounting)
- Ⓢ 30 m × 19 m
- Ⓢ 440 m² / 14 m mounting height
- Ⓢ 5 m / 16 m / 14 m
- Ⓢ IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Pulse interval: 2 or 9 sec

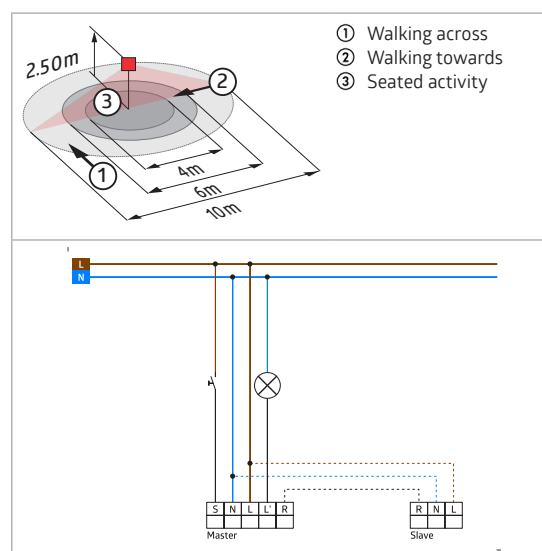
## Product and accessory

Description	Colour	Part no.
PD9-S-FC	white mat, similar to RAL9010	92905
Blinds Mini-Occupancy detector PD9	transparent	32702
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

- Mini slave device for extending the detection area of a master device
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⚡ Sensor head: Ø 45 × 28 mm, Power supply: 165 × 24 × 24 mm
- ⚡ approx. 0.2 W
- ⌢ horizontal 360° (Ceiling mounting)
- ⚡ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⌢ 78 m² / 2.5 m mounting height
- ⌢ 2 m / 5 m / 2.5 m
- IP IP20 / Class II
- ⌢ -25 °C to +50 °C
- ⌢ polycarbonate, UV-resistant
- ⌢ 45 cm
- ⌢ Pulse interval: 9 sec

## Slave

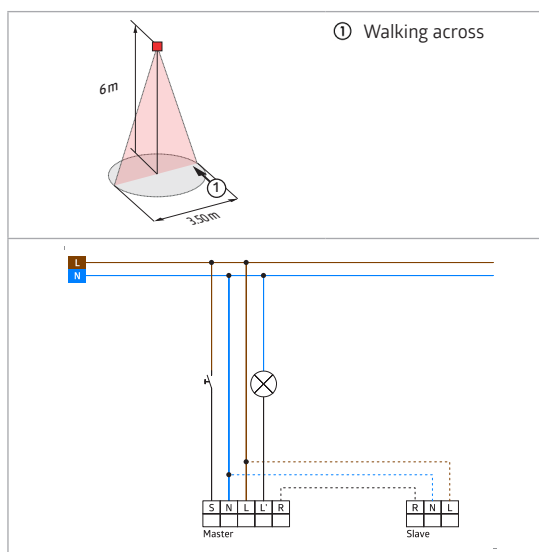
### Product and accessory

Description	Colour	Part no.
PD9-S-GH-FC	white mat, similar to RAL9010	92928
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



### Product Information

- Mini slave device especially for large mounting heights, for extending the detection area of a master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.
- Power supply passes through the hole in the ceiling for the detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blind

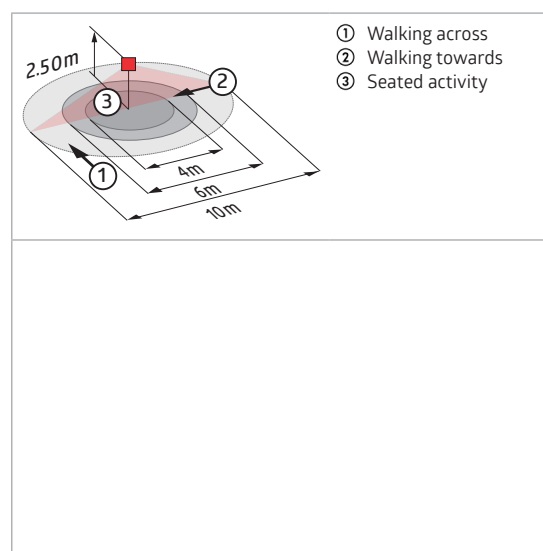


### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓛ Sensor head: Ø 45 × 41 mm, Power supply: 165 × 24 × 24 mm
- Ⓢ approx. 0.3 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 3.5 m across
- Ⓢ 9 m² / 6 m mounting height
- Ⓢ 5 m / 10 m / 6 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ 45 cm
- Ⓢ Pulse interval: 9 sec

### Product and accessory

Description	Colour	Part no.
PD9-S-SDB-FC	white, similar to RAL9010	92915
Blinds Mini-Occupancy detector PD9	transparent	32702
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



### Product Information

- Slave device sensor especially for moisture-proof applications, suitable to miniature occupancy detector PD9-M-1C-SDB-IP65-FC
- For extending the detection area of a Master device

### Technical Data

	Ø 36 × 28 mm
	horizontal 360° (Ceiling mounting)
	max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
	78 m² / 2.5 m mounting height
	2 m / 5 m / 2.5 m
	IP65 / Class III
	350 cm

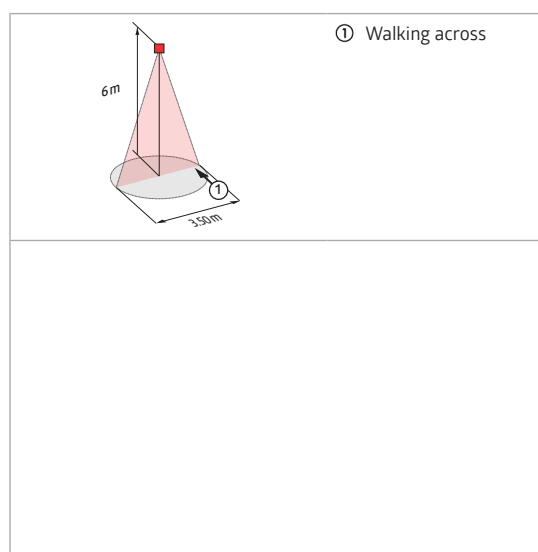
### Product and accessory

Description	Colour	Part no.
PD9-S-SDB-GH-FC	white	92933
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



### Product Information

- Slave device sensor especially for moisture-proof applications, suitable to miniature occupancy detector for high-bay applications PD9-M-1C-SDB-IP65-GH-FC
- For extending the detection area of a Master device



### Technical Data

- Ø 36 × 40 mm
- horizontal 360° (Ceiling mounting)
- max. Ø 3.5 m across
- 9 m² / 6 m mounting height
- 5 m / 10 m / 6 m
- IP65 / Class III
- 350 cm

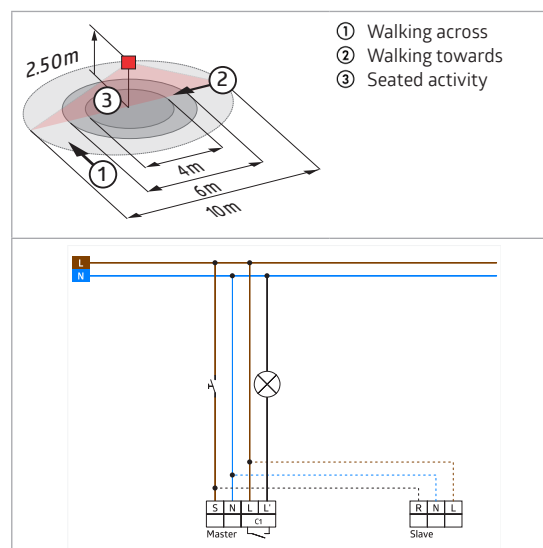
## Product and accessory

Description	Colour	Part no.
PICO-S-FC	white mat, similar to RAL9010	92700



## Product Information

- Mini Slave device without additional power unit for connection to master device
- Suitable for high-humidity locations
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.
- Mounting with clip ring (included) for lights or with spring clips for suspended ceilings



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ⏏ Ø 33 × 60 mm
- ⏏ approx. 0.3 W
- ⏏ horizontal 360° (Ceiling mounting)
- ⏏ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⏏ 78 m² / 2.5 m mounting height
- ⏏ 2 m / 5 m / 2.5 m
- ⏏ IP65 / Class II
- ⏏ -25 °C to +50 °C
- ⏏ polycarbonate, UV-resistant
- ⏏ 130 cm
- ⏏ Pulse interval: 9 sec



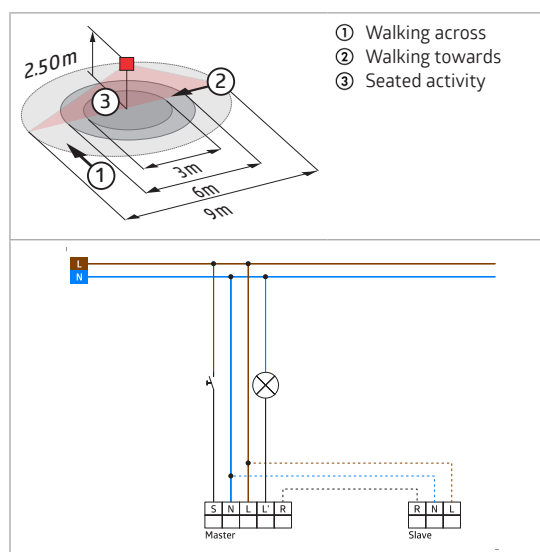
### Product and accessory

Description	Colour	Part no.
PD11-S-FLAT-FC	white mat, similar to RAL9010	92593
In-wall mounting set / PD11	white	92833
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
Square design frame PD11-FC	white mat, similar to RAL9010	92994



### Product Information

- Super flat slave device for connection to a master device
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- With accessories for flush-mounting in ceiling and exposed concrete



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 52 × 60 mm
- Ⓢ approx. 0.2 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- Ⓢ 63 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Pulse interval: 9 sec

# Increased convenience in buildings – with bus solutions from B.E.G.

## An intelligent building is created using sensors from B.E.G.

Building automation is becoming ever more popular, as it enables greater energy efficiency and can also offer improved convenience to the people in the building through automated control of connected loads.




For example, blinds can be adjusted automatically according to the angle of the sun, in winter the building can be comfortably warm on first arriving, and not only can lighting be regulated, but lighting scenes can be programmed, so that the right lighting is always provided in different locations within a single building.

B.E.G. offers occupancy detectors for various bus systems and applications, e.g. KNX, LON or proprietary systems.






## Detector overview




### KNX occupancy detector

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2N-KNX-BA	125	–	93380	93381	–	■	–	Ø 10 m	–
PD11-KNX-FLAT-BA	126	–	93803	–	–	■	–	Ø 9 m	super flat
Indoor 180-KNX-BA	127	93362	–	–	–	■	–	max. r = 10 m	wall mounting
PD2N-KNX-ST	128	–	93383	93384	–	■	–	Ø 10 m	–
PD4N-KNX-ST	129	–	93384	93385	–	■	–	Ø 24 m	–
PD11-KNX-FLAT-ST	130	–	93802	–	–	■	–	Ø 9 m	super flat
Indoor 180-KNX-ST	131	93363	–	–	–	■	–	max. r = 10 m	wall mounting
RC-plus next N 230 KNX-DX	132	93394 – white 93395 – black	–	–	–	■	–	max. 20 m	outdoor detector
PD2N-KNX-DX	133	–	93360	93361	–	■	–	Ø 10 m	–
PD4N-KNX-DX	134	–	93386	93387	–	■	–	Ø 24 m	–
PD4N-KNX-C-DX	135	–	93388	93389	–	■	–	max. Ø 40 m	corridor detector
PD4-KNX-GH-DX	136	93399	–	–	–	–	–	max. Ø 30 m	large mounting height
PD9-KNX-DX	137	–	93390	–	–	■	–	Ø 10 m	mini detector
PD9-KNX-GH-DX	138	–	93391	–	–	■	–	Ø 3,5 m	large mounting height
PICO-KNX-DX	139	–	92719	–	–	■	–	Ø 10 m	mini detector
PD11-KNX-FLAT-DX	140	–	93392	–	–	■	–	Ø 9 m	super flat
Indoor 140-L-KNX-DX	141	93393	–	–	–	■	–	max. r = 8 m	wall mounting
Indoor 180-KNX-DX	142	93364	–	–	–	■	–	max. r = 10 m	wall mounting

### LON occupancy detector

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2N-LON	143	92734	92736	–	–	■	–	Ø 10 m	–
PD4N-LON	144	92834	92831	–	–	■	–	Ø 24 m	–
PD9-LON	145	–	92989	–	–	■	–	Ø 10 m	mini detector
Indoor 180-LON	146	92329	–	–	–	■	–	max. r = 8 m	wall mounting

### LTMS multisensors

Occupancy detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
PD2N-LTMS	147	–	92113	–	–	■	–	Ø 10 m	–
PD2N-LTMS-RR	148	–	92119	–	–	■	–	Ø 10 m	–
PD4N-LTMS-RR	149	–	92709	–	–	■	–	Ø 24 m	–
PD11-LTMS-RR	150	–	92594	–	–	■	–	Ø 9 m	super flat

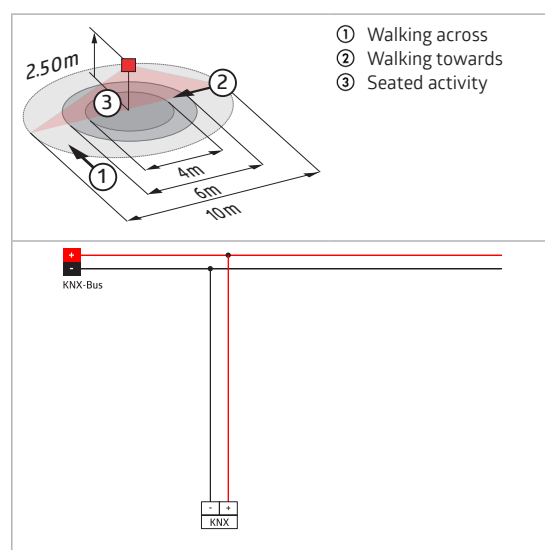
## Product and accessory

Description	Colour	Part no.
PD2N-KNX-BA-FC	white mat, similar to RAL9010	93380
PD2N-KNX-BA-FM	white mat, similar to RAL9010	93381
BLE-IR-Adapter	black	93067
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307



## Product Information

- KNX occupancy detector with integrated KNX bus connector
- Low installation depth
- Full automatic mode
- 1x light (for switching), 1 separate HVAC bloc
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Behaviour upon bus voltage return definable at choice
- Settings ex ETS 4 for integration in KNX systems
- The product database for import into the ETS database can be downloaded from the B.E.G. homepage.
- Spring-clamps
- Blinds

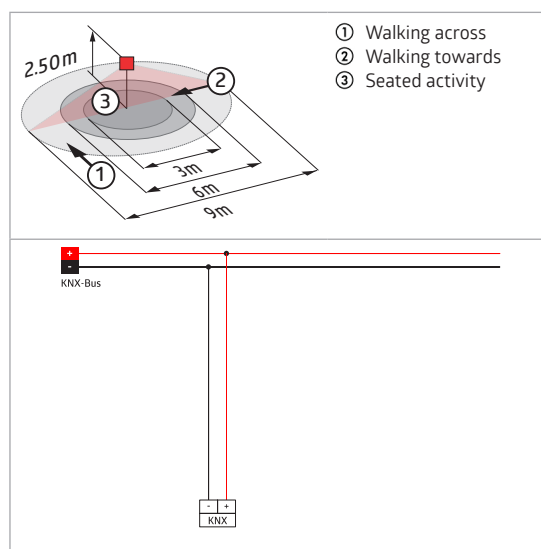


## Technical Data

- Ⓢ via KNX BUS
- Ⓛ FC= Ø 83 x 55 mm
- Ⓛ FM= Ø 106 x 42 mm
- Ⓢ 12 mA
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ FC= IP20 / Class III
- Ⓢ FM= IP20 / Class III
- Ⓢ -25 °C to +55 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 1
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 – 2000 Lux

**Product and accessory**

Description	Colour	Part no.
PD11-KNX-FLAT-BA-FC	white mat, similar to RAL9010	93803
BLE-IR-Adapter	black	93067
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
In-wall mounting set / PD11	white	92833
Square design frame PD11-FC	white mat, similar to RAL9010	92994
Surface mounting socket PD11	white	92121



**Product Information**

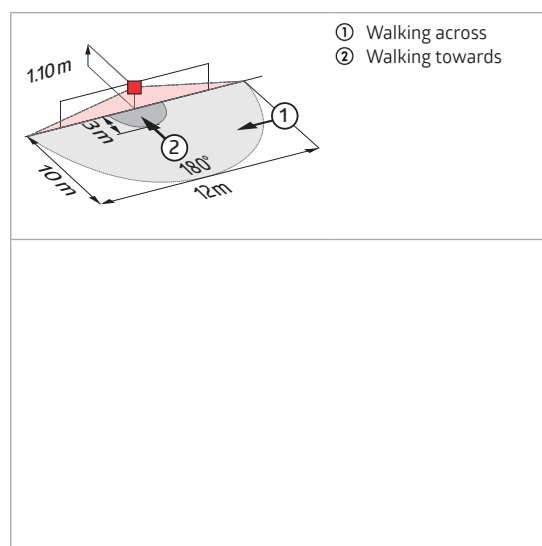
- Low profile KNX occupancy detector with integrated KNX bus connector
- Full automatic mode
- 1 x light (for switching), 1 separate HVAC bloc
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Behaviour upon bus voltage return definable at choice
- Settings ex ETS 4 for integration in KNX systems
- The product database for import into the ETS database can be downloaded from the B.E.G. homepage.
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- Flush mounting with accessory 92833, surface mounting with accessories 92833 and 92121

**Technical Data**

- Ⓢ via KNX BUS
- Ⓛ ⌀ 52 × 48 mm
- ⓐ 12 mA
- Ⓜ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- Ⓜ² 63 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓜ IP54 / Class III
- Ⓢ -25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 – 2000 Lux

### Product and accessory

Description	Colour	Part no.
Indoor 180-KNX-BA covering not included	–	93362
Blind Indoor 180	white	33233
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



### Product Information

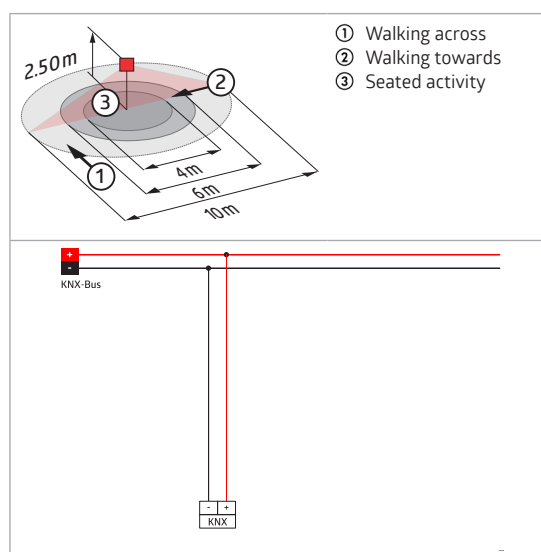
- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- Full automatic mode
- 1 x light (for switching), 1 separate HVAC bloc
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Behaviour upon bus voltage return definable at choice
- Variable safety pause after switching off the lights
- Settings ex ETS 4 for integration in KNX systems
- The product database for import into the ETS database can be downloaded from the B.E.G. homepage.
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours

### Technical Data

- Ⓢ via KNX BUS
- Ⓡ (covering not included) 70 x 70 x 61 mm
- Ⓢ 12 mA
- Ⓢ horizontal 180° (Wall mounting)
- Ⓢ max. 10 m across; max. 3 m towards
- Ⓢ 150 m² / 1.1 m mounting height
- Ⓢ 1 m / 2.2 m / 1.1 m
- Ⓢ IP20 / Class III
- Ⓢ -25 °C to +55 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 1
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 – 2000 Lux

**Product and accessory**

Description	Colour	Part no.
PD2N-KNX-ST-FC	white mat, similar to RAL9010	93382
PD2N-KNX-ST-FM	white mat, similar to RAL9010	93383
IR-Adapter for Smartphones	black	92726
BLE-IR-Adapter	black	93067
IR-PD-KNX	-	92123
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307



**Product Information**

- KNX occupancy detector with integrated KNX bus connector
- Low installation depth
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Spring-clamps
- Blinds

**Technical Data**

- Ⓢ via KNX BUS
- Ⓛ FC= Ø 83 x 55 mm  
FM= Ø 106 x 42 mm
- ⓐ 12 mA
- Ⓜ horizontal 360° (Ceiling mounting)  
max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓜ 78 m² / 2.5 m mounting height
- Ⓜ 2 m / 5 m / 2.5 m
- Ⓜ IP20 / Class III  
FM= IP20 / Class III
- Ⓜ -25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓜ Number of light sensors: 2
- Ⓜ Number of PIR sensors: 1
- Ⓜ KNX TP 256: Yes
- Ⓜ 5 - 100 % / OFF / 1 min - 255 min
- Ⓜ 5 - 100 %
- Ⓜ 5 - 2000 Lux



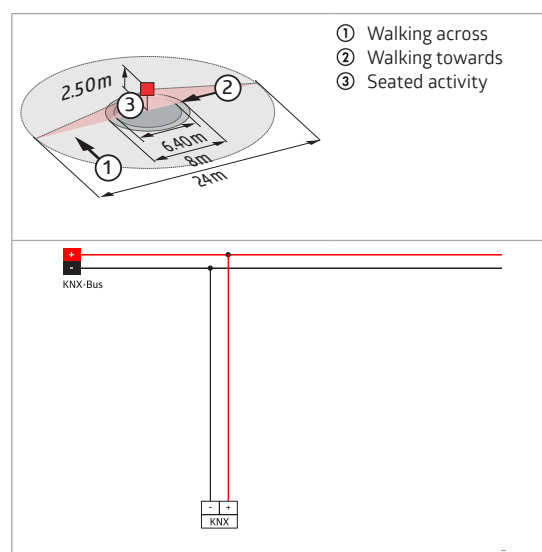
# KNX Gen6 Standard occupancy detectors

## PD4N-KNX-ST

### KNX

#### Product and accessory

Description	Colour	Part no.
PD4N-KNX-ST-FC	white mat, similar to RAL9010	93384
PD4N-KNX-ST-FM	white mat, similar to RAL9010	93385
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
BLE-IR-Adapter	black	93067
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307



#### Product Information

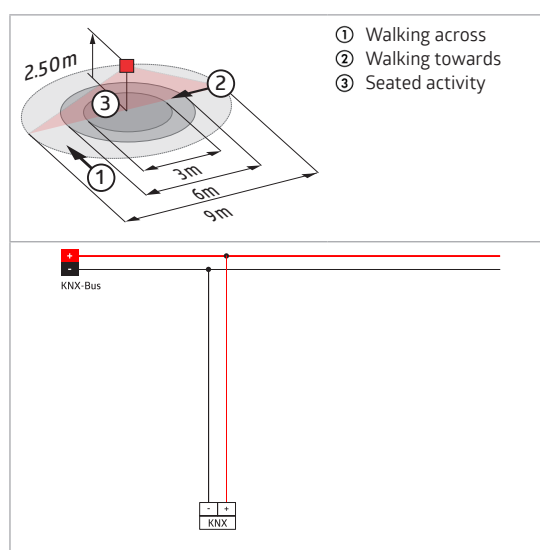
- KNX occupancy detector with integrated KNX bus connector
- Low installation depth
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Individual adaption of detection sensitivity for each PIR sensor
- Direction of movement can be identified
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Spring-clamps
- Blinds

#### Technical Data

- Ⓜ via KNX BUS
- Ⓛ FC= Ø 106 x 74 mm  
FM= Ø 106 x 55 mm
- ⓐ 12 mA
- Ⓜ horizontal 360° (Ceiling mounting)  
max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓜ 450 m² / 2.5 m mounting height  
2 m / 10 m / 2.5 m
- Ⓜ FC= IP20 / Class III  
FM= IP20 / Class III
- Ⓜ -25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓜ Number of light sensors: 2
- Ⓜ Number of PIR sensors: 4
- Ⓜ KNX TP 256: Yes
- Ⓜ 5 – 100 % / OFF / 1 min – 255 min
- Ⓜ 5 – 100 %
- Ⓜ 5 – 2000 Lux

## Product and accessory

Description	Colour	Part no.
PD11-KNX-FLAT-ST-FC	white mat, similar to RAL9010	93802
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
BLE-IR-Adapter	black	93067
Square design frame PD11-FC	white mat, similar to RAL9010	92994
In-wall mounting set / PD11	white	92833
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
Surface mounting socket PD11	white	92121



## Product Information

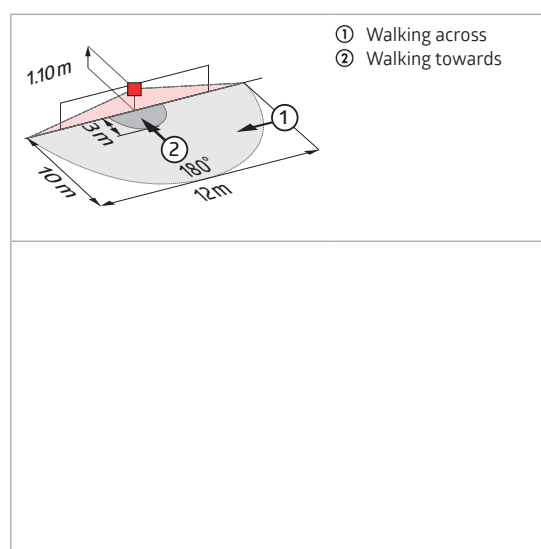
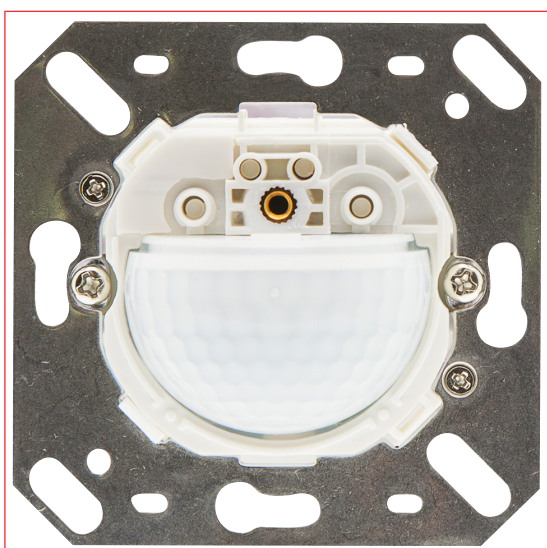
- Low profile KNX occupancy detector with integrated KNX bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- Flush mounting with accessory 92833, surface mounting with accessories 92833 and 92121

## Technical Data

- Ⓢ via KNX BUS
- Ⓛ ⌀ 52 x 48 mm
- ⓐ 12 mA
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- Ⓢ 63 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP54 / Class III
- Ⓢ -25 °C to +55 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 - 100 % / OFF / 1 min - 255 min
- Ⓢ 5 - 100 %
- Ⓢ 5 - 2000 Lux

**Product and accessory**

Description	Colour	Part no.
Indoor 180-KNX-ST covering not included	-	93363
Blind Indoor 180	white	33233
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



**Product Information**

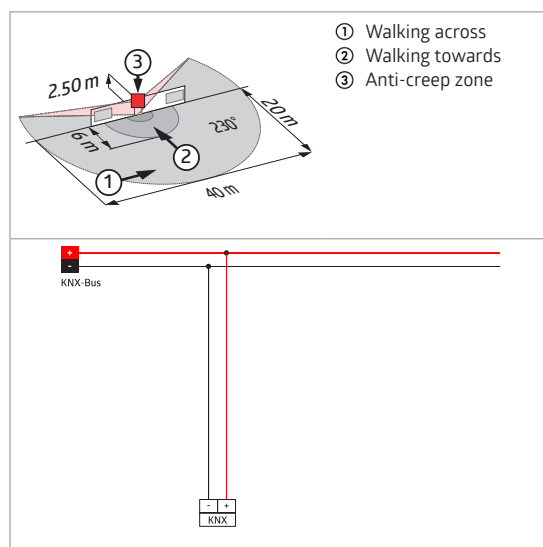
- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours

**Technical Data**

- ① via KNX BUS
- ⏏ (covering not included) 70 x 70 x 61 mm
- ⓐ 12 mA
- 📐 horizontal 180° (Wall mounting)
- 📏 max. 10 m across; max. 3 m towards
- 📏 150 m² / 1.1 m mounting height
- 📏 1 m / 2.2 m / 1.1 m
- 📏 IP20 / Class III
- 🌡 -25 °C to +55 °C
- 📏 polycarbonate, UV-resistant
- 🔌 Number of light sensors: 1
- 📏 Number of PIR sensors: 1
- 📏 KNX TP 256: Yes
- 🌞 5 - 100 % / OFF / 1 min - 255 min
- 🌞 5 - 100 %
- 🌞 5 - 2000 Lux

### Product and accessory

Description	Colour	Part no.
RC-plus next N 230 KNX-DX	white, similar to RAL9010	93394
RC-plus next N 230 KNX-DX	black, similar to RAL9005	93395
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Outside corner socket RC-plus next	white	97004
Outside corner socket RC-plus next	brown	97014
Outside corner socket RC-plus next	black	97024
Outside corner socket RC-plus next	silver	97043
Inside corner socket RC-plus next	white	97005



### Product Information

- KNX occupancy detector with integrated KNX bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of detection sensitivity for each PIR sensor
- Direction of movement can be identified
- Anti-creep zone
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor
- Integrated downlight with orientation or a night light (RGB) function
- Blinds
- Wall, ceiling and corner mounting

### Technical Data

- Ⓢ via KNX BUS
- Ⓛ 121 x 71 x 85 mm
- ⓐ 12 mA
- Ⓜ horizontal 230° (Wall mounting)
- Ⓢ max. 20 m across; max. 6 m towards; max. 4 m anti-creep protection
- Ⓜ 800 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓜ IP54 / Class III
- Ⓢ Temperature measurement range: -20 °C to +45 °C
- Ⓢ -25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 3
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 - 100 % / OFF / 1 min - 255 min
- Ⓢ 5 - 100 %
- Ⓢ 5 - 2000 Lux

# KNX Gen6 Deluxe occupancy detectors

## PD2N-KNX-DX

### KNX

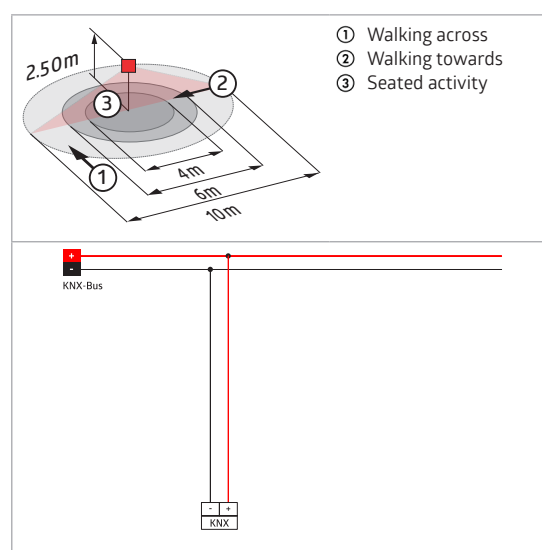
#### Product and accessory

Description	Colour	Part no.
PD2N-KNX-DX-FC	white mat, similar to RAL9010	93360
PD2N-KNX-DX-FM	white mat, similar to RAL9010	93361
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307



#### Product Information

- KNX occupancy detector with integrated KNX bus connector
- Low installation depth
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- Spring-clamps
- Blinds

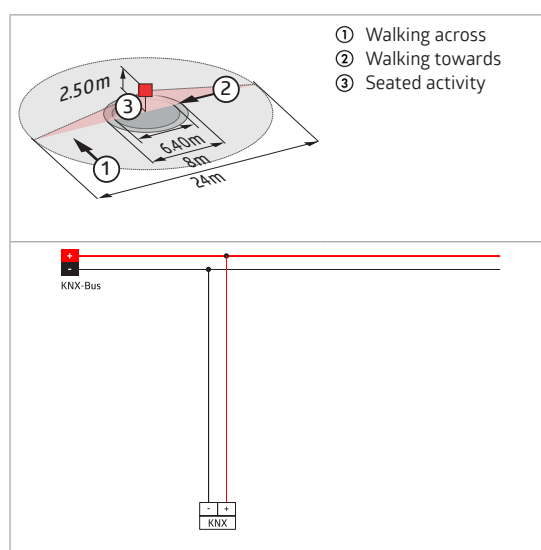


#### Technical Data

- Ⓢ via KNX BUS
- Ⓛ FC= Ø 83 x 55 mm  
FM= Ø 106 x 42 mm
- ⓐ 12 mA
- Ⓜ horizontal 360° (Ceiling mounting)  
max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓜ 78 m² / 2.5 m mounting height  
2 m / 5 m / 2.5 m
- Ⓜ FC= IP20 / Class III  
FM= IP20 / Class III
- Ⓜ Temperature measurement range: -5 °C to +45 °C  
-25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓜ Number of light sensors: 2
- Ⓜ Number of PIR sensors: 1
- Ⓜ KNX TP 256: Yes
- Ⓜ 5 – 100 % / OFF / 1 min – 255 min
- Ⓜ 5 – 100 %
- Ⓜ 5 – 2000 Lux

**Product and accessory**

Description	Colour	Part no.
PD4N-KNX-DX-FC	white mat, similar to RAL9010	93386
PD4N-KNX-DX-FM	white mat, similar to RAL9010	93387
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
BLE-IR-Adapter	black	93067
IR-PD-KNX-Mini	-	93398
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307



**Product Information**

- KNX occupancy detector with integrated KNX bus connector
- Low installation depth
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of detection sensitivity for each PIR sensor
- Direction of movement can be identified
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- Spring-clamps
- Blinds

**Technical Data**

- Ⓢ via KNX BUS
- Ⓛ FC= Ø 106 x 68 mm  
FM= Ø 106 x 55 mm
- ⓐ 12 mA
- Ⓜ horizontal 360° (Ceiling mounting)  
max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓜ 450 m² / 2.5 m mounting height  
2 m / 10 m / 2.5 m
- Ⓜ IP20 / Class III  
FM= IP20 / Class III
- Ⓜ Temperature measurement range: -5 °C to +45 °C  
-25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓜ Number of light sensors: 2
- Ⓜ Number of PIR sensors: 4
- Ⓜ KNX TP 256: Yes
- Ⓜ 5 - 100 % / OFF / 1 min - 255 min
- Ⓜ 5 - 100 %
- Ⓜ 5 - 2000 Lux

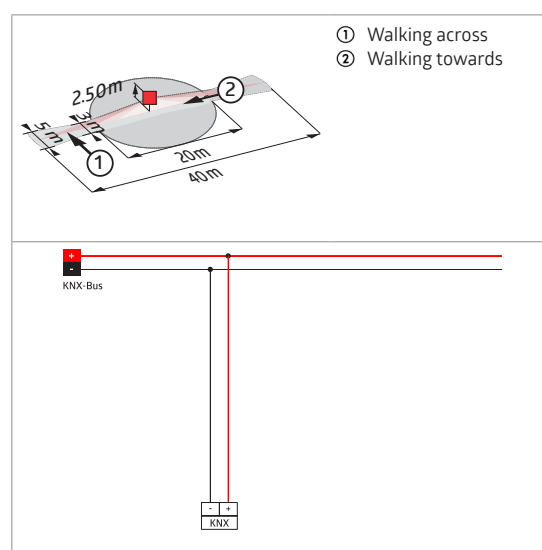
# KNX Gen6 Deluxe occupancy detectors

## PD4N-KNX-C-DX

### KNX

#### Product and accessory

Description	Colour	Part no.
PD4N-KNX-C-DX-FC	white mat, similar to RAL9010	93388
PD4N-KNX-C-DX-FM	white mat, similar to RAL9010	93389
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
BLE-IR-Adapter	black	93067
IR-PD-KNX-Mini	-	93398
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307



#### Product Information

- KNX occupancy detector designed for corridors, with integrated KNX bus connector
- Low installation depth
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of detection sensitivity for each PIR sensor
- Direction of movement can be identified
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- There are markings to ensure correct alignment during installation
- Spring-clamps
- Blinds

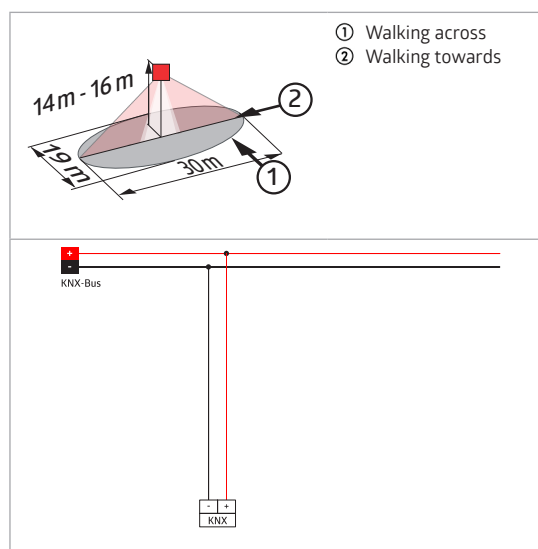
#### Technical Data

- ① via KNX BUS
- FC= Ø 106 x 68 mm
- FM= Ø 106 x 55 mm
- 12 mA
- horizontal 360° (Ceiling mounting)
- max. 40 m x 5 m across; max. 20 m x 3 m towards
- 250 m² / 2.5 m mounting height
- 2.4 m / 2.6 m / 2.5 m
- FC= IP20 / Class III
- FM= IP20 / Class III
- Temperature measurement range: -5 °C to +45 °C
- 25 °C to +55 °C
- polycarbonate, UV-resistant
- Number of light sensors: 2
- Number of PIR sensors: 4
- KNX TP 256: Yes
- 5 – 100 % / OFF / 1 min – 255 min
- 5 – 100 %
- 5 – 2000 Lux



### Product and accessory

Description	Colour	Part no.
PD4-KNX-GH-DX-SM	white mat, similar to RAL9010	93399
Wall holder PD4-SM	white	92441
IR-Adapter for Smartphones	black	92726
BLE-IR-Adapter	black	93067
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398



### Product Information

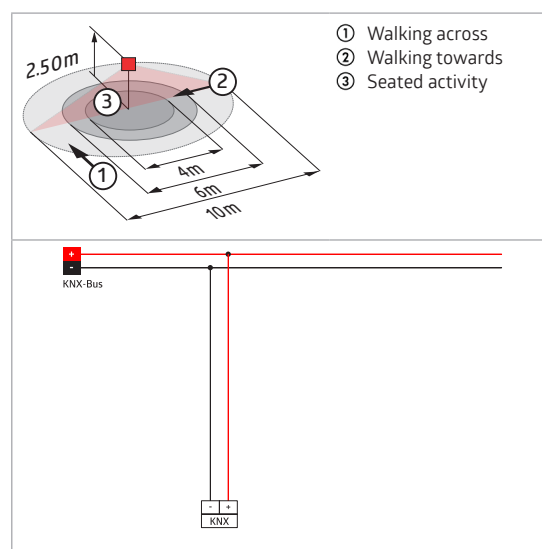
- KNX occupancy detector designed for high-bay warehouses, with integrated KNX bus connector
- External telescopic light sensor for a mounting height between 5 and 16 m (mechanically adjustable) for measuring the light according to the application.
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of detection sensitivity for each PIR sensor
- Direction of movement can be identified
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor
- Blinds
- There are markings to ensure correct alignment during installation
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**

### Technical Data

- Ⓢ via KNX BUS
- Ⓛ ⌀ 101 × 76 mm
- ⓐ 12 mA
- Ⓜ horizontal 360° oval (Ceiling mounting)
- Ⓢ 30 m × 19 m
- Ⓜ 440 m² / 14 m mounting height
- Ⓢ 5 m / 16 m / 14 m
- Ⓜ IP54 / Class III
- Ⓢ Temperature measurement range: -5 °C to +45 °C
- Ⓢ -25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 3
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 – 100 % / OFF / 1 min – 255 min
- Ⓢ 5 – 100 %
- Ⓢ 5 – 2000 Lux

## Product and accessory

Description	Colour	Part no.
PD9-KNX-DX-FC	white mat, similar to RAL9010	93390
Blinds Mini-Occupancy detector PD9	transparent	32702
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

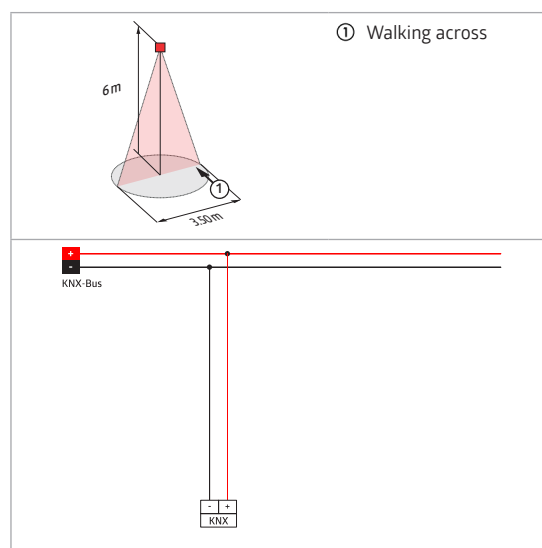
- KNX mini occupancy detector with integrated bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings

## Technical Data

- ① via KNX BUS
- ↗ Sensor head: Ø 45 x 28 mm, Power supply: 129 x 29 x 22 mm
- Ⓐ 12 mA
- ↻ horizontal 360° (Ceiling mounting)
- ↗ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓜ 78 m² / 2.5 m mounting height
- ↕ 2 m / 5 m / 2.5 m
- IP IP20 / Class III
- 🌡 Temperature measurement range: -5 °C to +45 °C
- 🌡 -25 °C to +55 °C
- 📦 polycarbonate, UV-resistant
- 🔍 Number of light sensors: 1
- 🔍 Number of PIR sensors: 1
- KNX TP 256: Yes
- 📏 45 cm
- 🌞 5 - 100 % / OFF / 1 min - 255 min
- 🌞 5 - 100 %
- 🌞 5 - 2000 Lux

# Product and accessory

Description	Colour	Part no.
PD9-KNX-GH-DX-FC	white mat, similar to RAL9010	93391
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



# Product Information

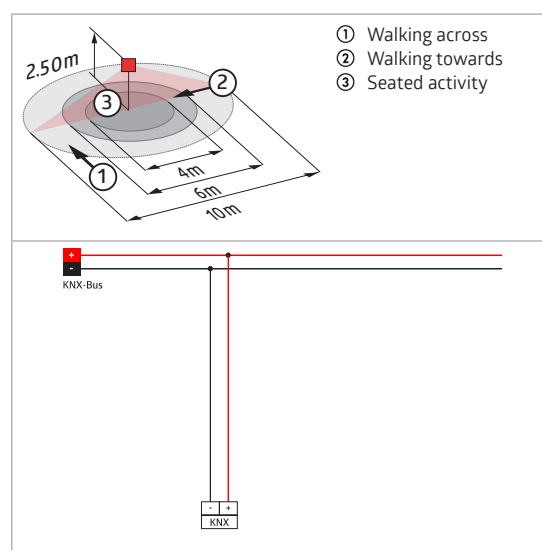
- KNX mini occupancy detector with integrated KNX bus connector, especially for large mounting heights
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor
- Light regulation feasible up to 5 m mounting height
- Spring clips for quick and easy installation in suspended ceilings
- Clip ring for installation in lights and blind included

# Technical Data

- Ⓢ via KNX BUS
- Ⓛ Sensor head: Ø 45 x 40 mm, Power supply: 129 x 29 x 22 mm
- Ⓐ 12 mA
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 3.5 m across
- Ⓢ 9 m² / 6 m mounting height
- Ⓢ 5 m / 10 m / 6 m
- Ⓢ IP20 / Class III
- Ⓢ Temperature measurement range: -5 °C to +45 °C
- Ⓢ -25 °C to +55 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 1
- Ⓢ KNX TP 256: Yes
- Ⓢ 45 cm
- Ⓢ 5 - 100 % / OFF / 1 min - 255 min
- Ⓢ 5 - 100 %
- Ⓢ 5 - 2000 Lux

## Product and accessory

Description	Colour	Part no.
PICO-KNX-DX-FC	white mat, similar to RAL9010	92719
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
BLE-IR-Adapter	black	93067
IR-PD-KNX-Mini	-	93398



## Product Information

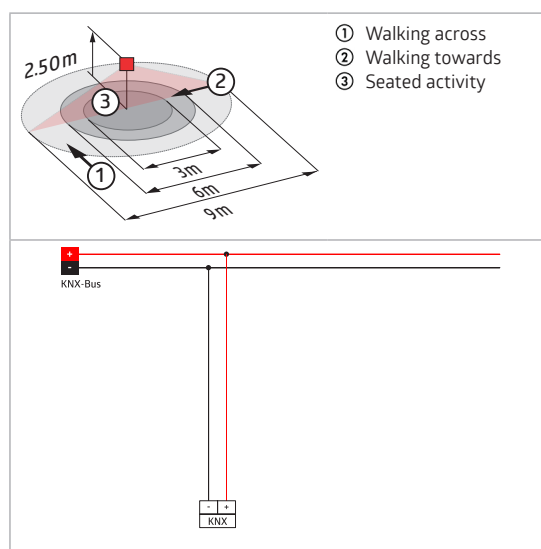
- KNX mini occupancy detector with integrated bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature sensor

## Technical Data

- Ⓢ via KNX BUS
- Ⓢ Ø 33 x 32 mm
- Ⓢ 12 mA
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓢ 78 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP20 / Class III
- Ⓢ Temperature measurement range: -5 °C to +45 °C
- Ⓢ -25 °C to +55 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 1
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 - 100 % / OFF / 1 min - 255 min
- Ⓢ 5 - 100 %
- Ⓢ 5 - 2000 Lux

### Product and accessory

Description	Colour	Part no.
PD11-KNX-FLAT-DX-FC	white mat, similar to RAL9010	93392
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
Square design frame PD11-FC	white mat, similar to RAL9010	92994
BLE-IR-Adapter	black	93067
In-wall mounting set / PD11	white	92833
Surface mounting socket PD11	white	92121



### Product Information

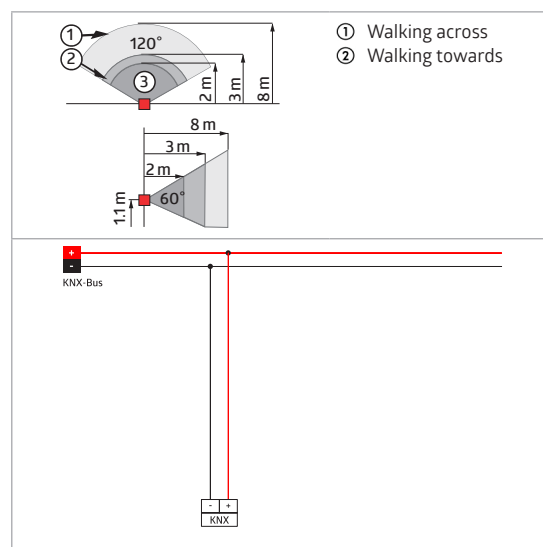
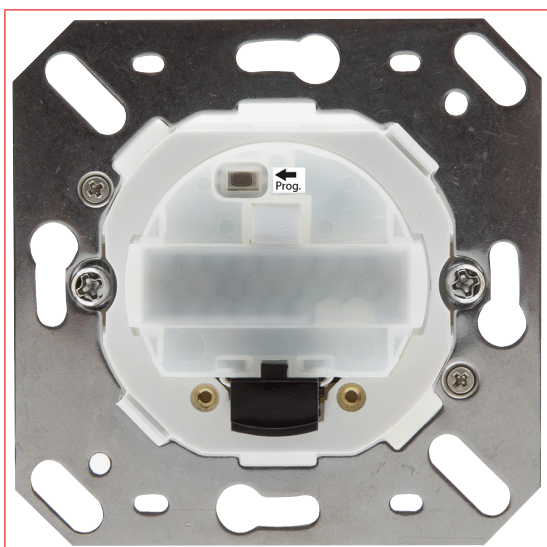
- Low profile KNX occupancy detector with integrated KNX bus connector
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- Flush mounting with accessory 92833, surface mounting with accessories 92833 and 92121

### Technical Data

- Ⓢ via KNX BUS
- Ⓛ ⌀ 52 x 48 mm
- ⓐ 12 mA
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- Ⓢ 63 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP54 / Class III
- Ⓢ Temperature measurement range: -5 °C to +45 °C
- Ⓢ -25 °C to +55 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 1
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 - 100 % / OFF / 1 min - 255 min
- Ⓢ 5 - 100 %
- Ⓢ 5 - 2000 Lux

### Product and accessory

Description	Colour	Part no.
Indoor 140-L-KNX-DX covering not included	–	93393
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Frame IP20 Indoor 140-L	anthracite mat, similar to RAL7021	94341
Frame IP20 Indoor 140-L	pure white glossy, similar to RAL9010	94342
Frame IP20 Indoor 140-L	pure white mat, similar to RAL9010	94343
Frame IP20 Indoor 140-L	oyster white mat, similar to RAL1013	94344
Central plate Indoor 140 45x45	pure white glossy, similar to RAL9010	38946
Central plate Indoor 140 63x63	pure white glossy, similar to RAL9010	94345
Central plate Indoor 140 55x55	pure white glossy, similar to RAL9010	94346



### Product Information

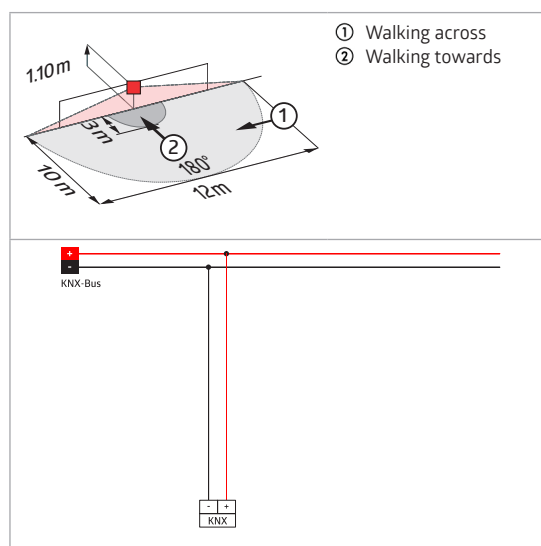
- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Temperature sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Integrated downlight with the function of an orientation or a night light
- Integrated pushbutton (two functions programmable)
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours

### Technical Data

- ① via KNX BUS
- ⌚ (covering not included) 70 × 70 × 51 mm
- Ⓐ 24 mA
- ⌒ horizontal 120° (Wall mounting)
- ⌒ max. 8 m across; max. 3 m towards
- ⌒ 67 m² / 1.1 m mounting height
- ⌒ 1 m / 1.2 m / 1.1 m
- Ⓜ IP20 / Class III
- ⌒ Temperature measurement range: -5 °C to +45 °C
- ⌒ -25 °C to +55 °C
- Ⓜ polycarbonate, UV-resistant
- ⌒ Number of light sensors: 1
- Ⓜ Number of PIR sensors: 1
- Ⓜ KNX TP 256: Yes
- ⌒ 5 – 100 % / OFF / 1 min – 255 min
- ⌒ 5 – 100 %
- ⌒ 5 – 2000 Lux

**Product and accessory**

Description	Colour	Part no.
Indoor 180-KNX-DX covering not included	–	93364
Blind Indoor 180	white	33233
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



**Product Information**

- KNX occupancy detector with integrated KNX bus coupler, especially for installation in walls
- 1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Measuring of mixed light thanks to internal light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- Blinds
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Please order cover frame separately, available in various colours

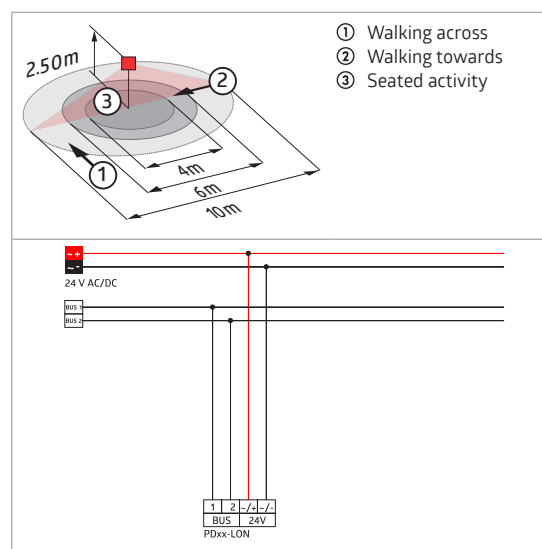
**Technical Data**

- Ⓢ via KNX BUS
- Ⓛ (covering not included) 70 x 70 x 61 mm
- ⓐ 12 mA
- Ⓢ horizontal 180° (Wall mounting)
- Ⓢ max. 10 m across; max. 3 m towards
- Ⓢ 150 m² / 1.1 m mounting height
- Ⓢ 1 m / 2.2 m / 1.1 m
- Ⓢ IP20 / Class III
- Ⓢ Temperature measurement range: -5 °C to +45 °C
- Ⓢ -25 °C to +55 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ Number of light sensors: 1
- Ⓢ Number of PIR sensors: 1
- Ⓢ KNX TP 256: Yes
- Ⓢ 5 – 100 % / OFF / 1 min – 255 min
- Ⓢ 5 – 100 %
- Ⓢ 5 – 2000 Lux



## Product and accessory

Description	Colour	Part no.
PD2N-LON-FC	white mat, similar to RAL9010	92736
PD2N-LON-SM	white mat, similar to RAL9010	92734
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-LON	-	92835
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

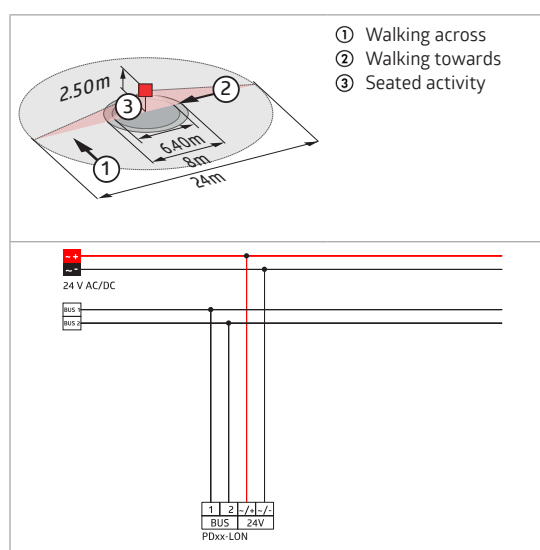
- LON occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- The following variables are made available:
  - 1 x Lightsensor
  - 1 x Occupancy sensor
  - 1 x Occupancy and light controller
  - 1 x Occupancy controller
  - 2 x Sunblind switch
  - 1 x Space comfort controller
  - 3 x push button function
  - 1 x Scene panel
- Full-automatic or Semi-automatic operation mode
- Switching or Constant Light control modes
- Easy interface to HVAC systems
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- Remote control (optional)
- Settings with the LON installation tool
- Adjustable on and off delay for orientation light when no people are present
- The products are supported up to and including Windows 7

## Technical Data

- ① 24 V AC / DC +/- 20%
- ⚡ SM= Ø 98 x 50 mm  
FC= Ø 80 x 65 mm
- Ⓐ 12 mA at 24 V DC  
20 mA at 24 V AC
- Ⓜ < 0.5 W
- 📐 horizontal 360° (Ceiling mounting)
- 📐 max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- 📐 78 m² / 2.5 m mounting height
- 📐 2 m / 5 m / 2.5 m
- 📐 SM= IP20 / Class II  
FC= IP20 / Class II
- 🌡 +5 °C to +50 °C
- 📖 polycarbonate, UV-resistant
- ☀ 0 – 2000 Lux  
Mixed light measuring

## Product and accessory

Description	Colour	Part no.
PD4N-LON-FC	white mat, similar to RAL9010	92831
PD4N-LON-SM	white mat, similar to RAL9010	92834
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-LON	-	92835
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Square design frame PD4-FC	pure white mat, similar to RAL9010	92992



## Product Information

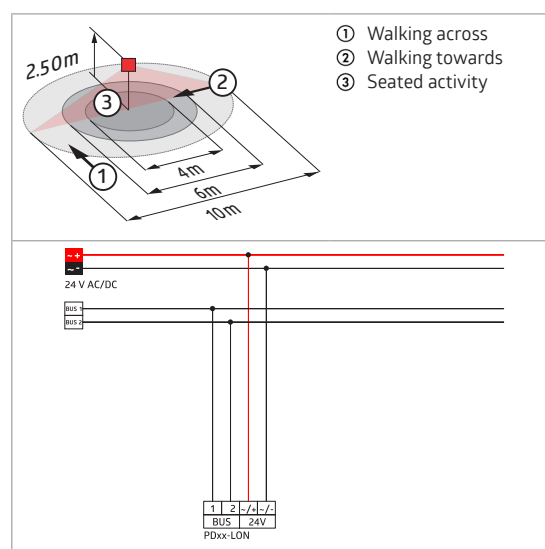
- LON occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- The following device functions are provided as bus variables:
  - 1 x Light sensor
  - 2 x Occupancy sensor
  - 2 x Occupancy & Light controller
  - 2 x Occupancy controller
  - 2 x Sunblind Switch
  - 1 x SCC Command Module
  - 3 x push button function
  - 1 x Scene Panel
- Full-automatic or Semi-automatic operation mode
- Switching or Constant Light control modes
- Easy interface to HVAC systems
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- Remote control (optional)
- Settings with the LON installation tool
- Adjustable on and off delay for orientation light when no people are present
- The products are supported up to and including Windows 7

## Technical Data

- Ⓢ 24 V AC / DC +/- 20%
- Ⓛ FC= Ø 98 x 63 mm  
SM= Ø 97 x 84 mm
- ⓐ 12 mA at 24 V DC  
20 mA at 24 V AC
- Ⓟ < 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- Ⓢ 450 m² / 2.5 m mounting height
- Ⓢ 2 m / 10 m / 2.5 m
- Ⓢ FC= IP20 / Class II  
SM= IP20 / Class II
- Ⓢ +5 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ 0 – 2000 Lux
- Mixed light measuring

## Product and accessory

Description	Colour	Part no.
PD9-LON-FC	white mat, similar to RAL9010	92989
Blinds Mini-Occupancy detector PD9	transparent	32702
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-LON	-	92835
Cover IP65 for Sensor head PD9	transparent	92958
Cover ring PD9 Ø 36 mm	anthracite glossy	92235
Cover ring PD9 Ø 36 mm	silver glossy	92237
Cover ring PD9 Ø 36 mm	white glossy	92238
Cover ring PD9 Ø 45 mm	white mat	92327
Cover ring PD9 Ø 45 mm	silver mat	92346
Square design frame PD9-FC	pure white mat, similar to RAL9010	92993



## Product Information

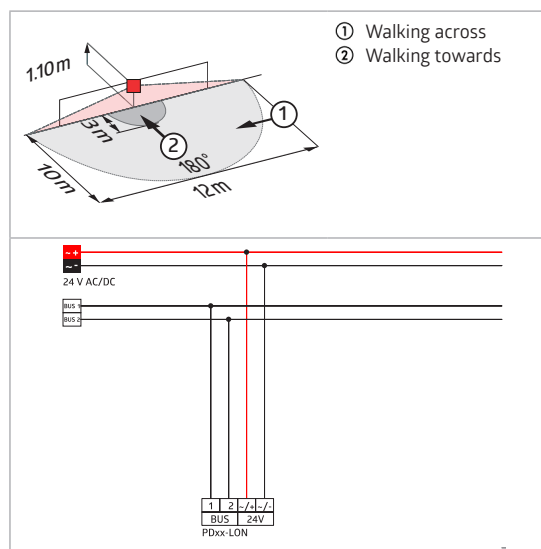
- LON occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- The following variables are made available:
  - 1x Lightsensor
  - 1x Occupancy sensor
  - 1x Occupancy and light controller
  - 1x Occupancy controller
  - 2 x Sunblind switch
  - 1x Space comfort controller
  - 3 x push button function
  - 1x Scene panel
- Full-automatic or Semi-automatic operation mode
- Switching or Constant Light control modes
- Easy interface to HVAC systems
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- Remote control (optional)
- Settings with the LON installation tool
- Adjustable on and off delay for orientation light when no people are present
- The products are supported up to and including Windows 7
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds

## Technical Data

- Ⓜ 24 V AC / DC +/- 20%
- ↕ Sensor head: Ø 45 x 28 mm, Power supply: 120 x 29 x 22 mm
- Ⓐ 12 mA at 24 V DC  
20 mA at 24 V AC
- Ⓜ < 0.5 W
- ⌒ horizontal 360° (Ceiling mounting)
- ⌒ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- Ⓜ 78 m² / 2.5 m mounting height
- Ⓜ 2 m / 5 m / 2.5 m
- IP IP20 / Class II
- ⌒ +5 °C to +50 °C
- Ⓜ polycarbonate, UV-resistant
- Ⓜ 45 cm
- ⌒ 0 – 2000 Lux
- ⌒ Mixed light measuring

### Product and accessory

Description	Colour	Part number
Indoor 180-LON covering not included	–	92329
Blind Indoor 180	white	33233
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



### Product Information

- LON wall occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- The following variables are made available:
  - 1 x Lightsensor
  - 1 x Occupancy sensor
  - 1 x Occupancy and light controller
  - 1 x Occupancy controller
  - 2 x Sunblind switch
  - 1 x Space comfort controller
  - 3 x push button function
  - 1 x Scene panel
- Full-automatic or Semi-automatic operation mode
- Switching or Constant Light control modes
- Easy interface to HVAC systems
- Adjustable on and off delay for orientation light when no people are present
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- Remote control (optional)
- Settings with the LON installation tool
- For use with covering (interior cover dimensions 50 x 50 mm) in 5 different colours
- B.E.G. frames and centre plates for combination with other frame systems available

### Technical Data

- Ⓢ 24 V AC / DC +/- 20%
- Ⓛ 70 x 70 x 61 mm
- Ⓐ 12 mA at 24 V DC  
20 mA at 24 V AC
- Ⓜ < 0.5 W
- Ⓢ horizontal 180° (Wall mounting)
- Ⓢ max. 10 m across; max. 3 m towards
- Ⓢ 150 m² / 1.1 m mounting height
- Ⓢ 1 m / 2.2 m / 1.1 m
- Ⓢ IP20 / Class II
- Ⓢ +5 °C to +50 °C
- Ⓢ 0 – 2000 Lux
- Mixed light measuring

# Proprietary systems

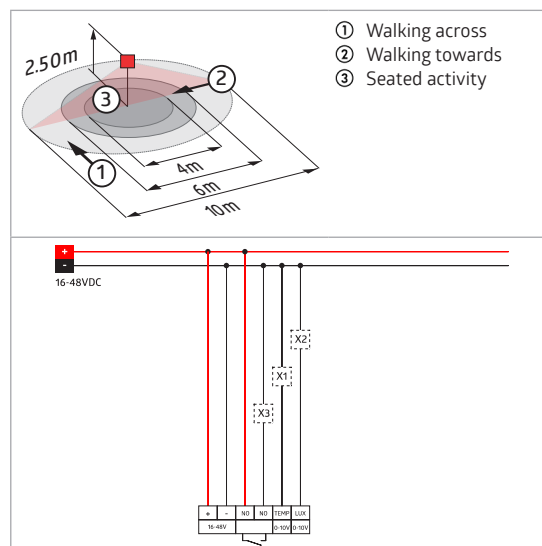
## Product and accessory

Description	Colour	Part no.
PD2N-LTMS-FC	white mat, similar to RAL9010	92113
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Multi-sensor for acquisition of data concerning occupancy (presence), temperature, and brightness.
- For integration into proprietary bus system
- Output of current light and temperature values as analogue voltage
- Output of motion detection via switch contact
- Fine adjustment of output values for light measurement and temperature via potentiometer on device



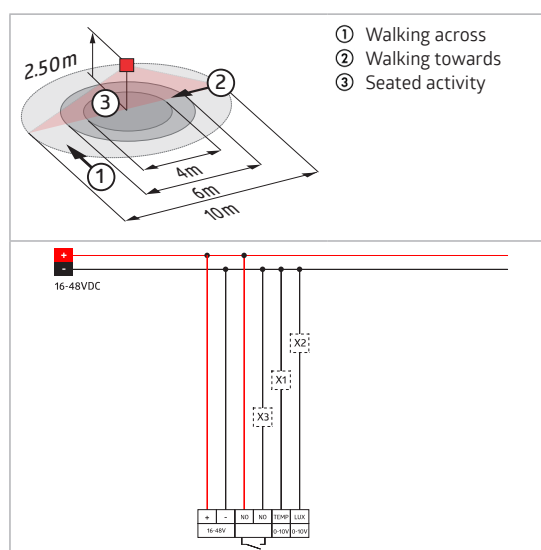
## Technical Data

- ① 16 – 48 V DC
- ⊥ Ø 80 × 83 mm
- ⏻ < 1 W
- ⌒ horizontal 360° (Ceiling mounting)
- ⚙ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⌚ 78 m² / 2.5 m mounting height
- ⬆ 2 m / 5 m / 2.5 m
- IP IP20 / Class II
- ☀ Measured light output: 0 – 1000 Lux, 0–10 V, ca. 10 mV/ Lux
- 🌡 Temperature output: 0 °C – +50 °C, 0–10 V, ca. 200 mV/°C
- 🌡 0 °C to +50 °C
- 📁 polycarbonate, UV-resistant
- Channel 1
- ⚡ 48 V DC / 3 A , cos φ = 1
- ⚙ μ-contact, dry NO contact
- ⌚ 15 sec – 30 min, Pulse
- 🕒 Mixed light measuring

## Proprietary systems

### Product and accessory

Description	Colour	Part no.
PD2N-LTMS-RR-FC	white mat, similar to RAL9010	92119
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-LTMS	-	92185
Wire basket BSK (Ø 200 x 90 mm)	white	92199



### Product Information

- Multi-sensor for acquisition of data concerning occupancy (presence), temperature, and brightness.
- For integration into proprietary bus system
- Output of motion detection via switch contact
- Output of current light and temperature values as analogue voltage
- Fine adjustment of output values for light measurement and temperature via potentiometer on device
- Additional functions can be set up using the optional remote control.

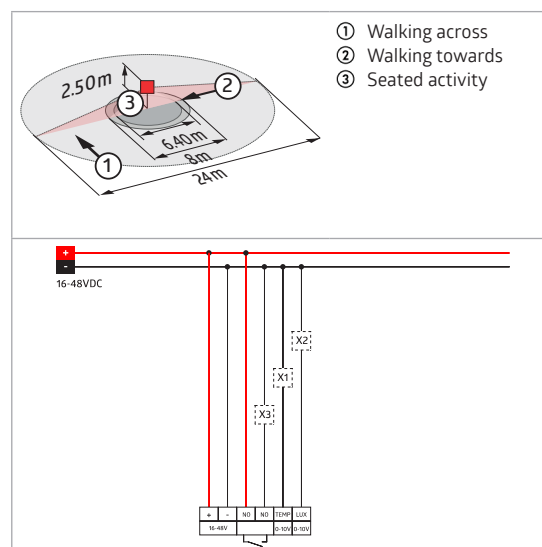
### Technical Data

- ① 16 – 48 V DC
- ② Ø 80 × 83 mm
- ③ < 1 W
- ④ horizontal 360° (Ceiling mounting)
- ⑤ max. Ø 10 m across; max. Ø 6 m towards; max. Ø 4 m seated
- ⑥ 78 m² / 2.5 m mounting height
- ⑦ 2 m / 5 m / 2.5 m
- ⑧ IP20 / Class II
- ⑨ Measured light output: 0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux
- ⑩ Temperature output: 0 °C – +50 °C, 0-10 V, ca. 200 mV/°C
- ⑪ 0 °C to +50 °C
- ⑫ polycarbonate, UV-resistant
- ⑬ **Channel 1**
- ⑭ 48 V DC / 0.1 A, cos φ = 1
- ⑮ µ-contact, dry NO contact
- ⑯ 1 sec – 60 min, Pulse
- ⑰ Mixed light measuring

# Proprietary systems

## Product and accessory

Description	Colour	Part no.
PD4N-LTMS-RR-FC	white matt, similar to RAL9010	92709
IR-LTMS	-	92185
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Multi-sensor for acquisition of data concerning occupancy (presence), temperature, and brightness.
- For integration into proprietary bus system
- Output of current light and temperature values as analogue voltage
- Output of motion detection via switch contact
- Fine adjustment of output values for light measurement and temperature via potentiometer on device
- Additional functions can be set up using the optional remote control.

## Technical Data

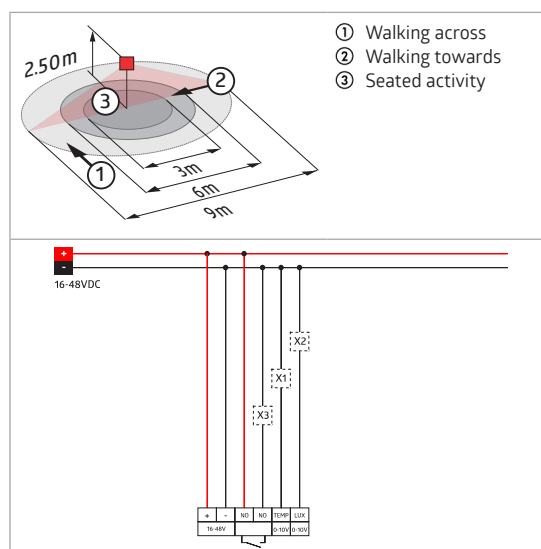
- ① 16 – 48 V DC
- ⏏ Ø 98 × 103 mm
- ⏏ < 1 W
- ⏏ horizontal 360° (Ceiling mounting)
- ⏏ max. Ø 24 m across; max. Ø 8 m towards; max. Ø 6.4 m seated
- ⏏ 450 m² / 2.5 m mounting height
- ⏏ 2 m / 10 m / 2.5 m
- ⏏ IP20 / Class II
- ⏏ Measured light output: 0 – 1000 Lux, 0-10 V, ca. 10 mV/ Lux
- ⏏ Temperature output: 0 °C – +50 °C, 0-10 V, ca. 200 mV/°C
- ⏏ 0 °C to +50 °C
- ⏏ polycarbonate, UV-resistant
- Channel 1**
- ⏏ 48 V DC / 0.1 A, cos φ = 1
- ⏏ μ-contact, dry NO contact
- ⏏ 1 sec – 60 min, Pulse
- ⏏ Mixed light measuring



## Proprietary systems

### Product and accessory

Description	Colour	Part no.
PD11-LTMS-RR-FC	white mat, similar to RAL9010	92594
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
In-wall mounting set / PD11	white	92833
Cover ring PD11 Ø 100 mm	white mat, similar to RAL9010	92692
Square design frame PD11-FC	white mat, similar to RAL9010	92994



### Product Information

- Super flat multi-sensor for acquisition of data concerning occupancy (presence), temperature, and brightness
- For integration into proprietary bus system
- Output of motion detection via switch contact
- Output of current light and temperature values as analogue voltage
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation into light fittings
- With accessories for flush-mounting in ceiling and exposed concrete

### Technical Data

- Ⓢ 16 – 48 V DC
- Ⓢ Ø 52 × 60 mm
- Ⓢ approx. 0.4 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ max. Ø 9 m across; max. Ø 6 m towards; max. Ø 3 m seated
- Ⓢ 63 m² / 2.5 m mounting height
- Ⓢ 2 m / 5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ Measured light output: 0 – 1000 Lux, 0-10 V, approx. 10 mV/ Lux
- Ⓢ Temperature output: 0 °C – +50 °C, 0-10 V, approx. 200 mV/°C
- Ⓢ 0 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ **Channel 1 (lighting control, potential-free (dry))**
- Ⓢ 48 V DC / 0.1 A, cos φ = 1
- Ⓢ µ-contact, dry NO contact
- Ⓢ 5 sec – 60 min
- Ⓢ Mixed light measuring

# LUXOMAT® Wall motion and occupancy detectors



## An automatic light switch that can hear and see

Automatic switching of lighting in passageways makes a significant contribution to safety and comfort is noticeably increased in living areas.

The wall detector series Indoor 180 blends harmoniously and discreetly into the respective room design. The optimal size means that the detectors can be combined with various switch ranges.

In addition to the motion sensor, part of the series is equipped with acoustic sensors. Once activated by movement, each movement and sound restarts the individually adjustable follow-up time of the detector.

The Indoor 140-L wall-mounted occupancy detector also has two powerful LEDs integrated that beam towards the floor. Two individual brightness values can be programmed for these: the night light and the orientation light.

With the brightness meter integrated into the Indoor 140-L, the night light can be activated automatically at dusk. For example, a hotel corridor is always safely illuminated.



## Covering

### Indoor 140-L – Flush mount, IP20

The Indoor 140-L (UK version) includes the covering. The Indoor 140-L (EU version) can also be ordered as sensor insert without covering.

Sensor covering not included



Covering IP20



Sensor covering included



pure white, glossy  
similar RAL9010  
94342



pure white, mat  
similar RAL9010  
94343

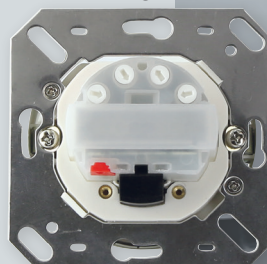


anthracite, mat,  
similar RAL7021  
94341



creme white, mat  
similar RAL9001  
94344

Sensor covering not included



### Combined with other operating systems



Sensor covering  
not included



Manufacturer's  
frame system

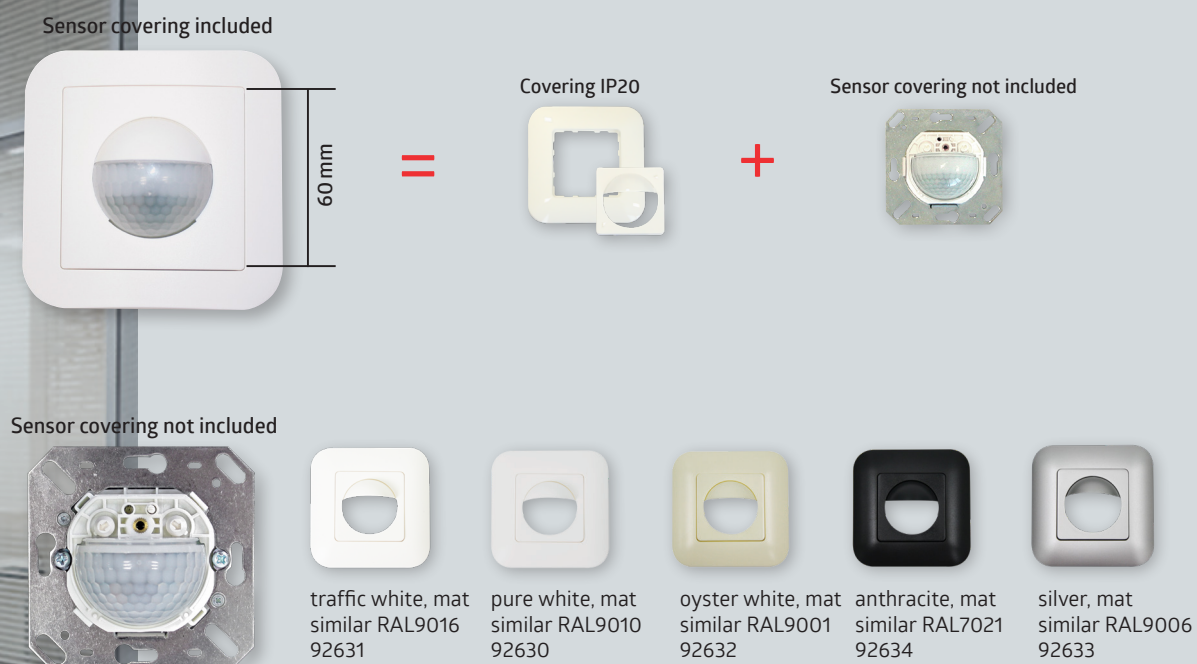


B.E.G. central plate



### Indoor 180 – Flush mount, IP20

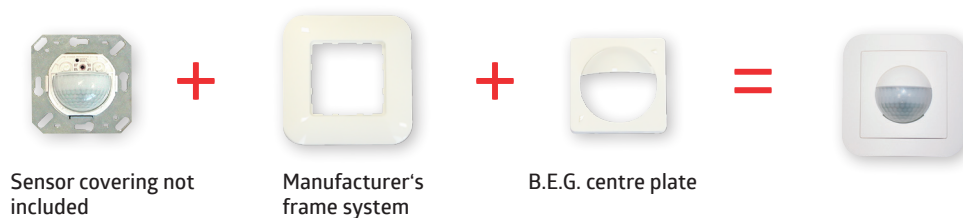
The Indoor 180 can either be ordered with a pre-mounted covering in B.E.G. design or without covering. For the sensor inserts without covering, we offer coverings for self-mounting in 5 different colours. Please note that the pre-mounted coverings have other inner dimensions than the coverings for self-mounting. Enclosed to the detectors with pre-mounted covering are additional coverings having inner dimensions of 50 x 50mm.



### Indoor 180 – Flush mount, IP54






### Combined with other operating systems



## Detector overview

### Motion and occupancy detectors as wall switches

Wall detector	Page				Simple light measurement	Daylight evaluation	Motion detection	Remote control-capable	Range	Additional functions
Indoor 180-R	155	–	–	92623	▪	–	▪	–	max. r = 10 m	relay version with acoustic sensor
Indoor 180-T	156	–	–	92622	▪	–	▪	–	max. r = 10 m	triac version with acoustic sensor
Indoor 180-R-2D	157	–	–	92616	▪	–	▪	–	max. r = 10 m	relay version with acoustic sensor
Indoor 180-TR	158	–	–	92650	▪	–	▪	–	max. r = 10 m	for staircase switches
Indoor 180-R-11-48V-3A	159	–	–	92666	▪	–	▪	–	max. r = 10 m	3A version
Indoor 180-R-11-48V-RR	160	–	–	92667	▪	–	▪	–	max. r = 10 m	with Reed relay
Indoor 140-L	161	–	–	94325	▪	–	▪	–	max. r = 8 m	switch function and downlight
Indoor 180-M-2C	162	–	–	92136	–	▪	▪	▪	max. r = 10 m	with acoustic sensor
Indoor 180-S	163	–	–	92135	▪	–	▪	–	max. r = 10 m	slave detector



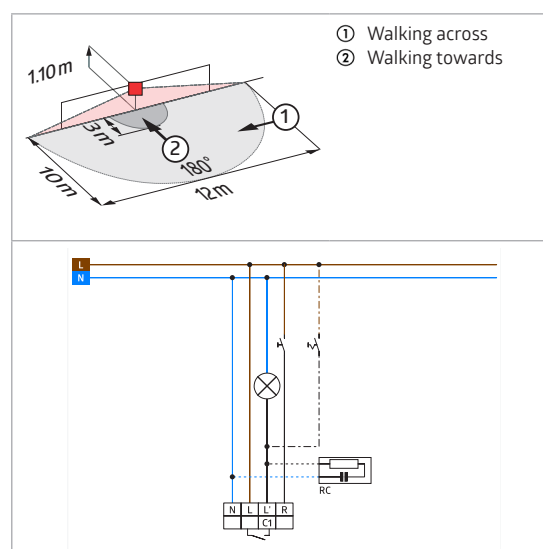
# Product and accessory

Description	Colour	Part no.
Indoor 180-R covering included	pure white mat, similar to RAL9010	92623
Indoor 180-R covering not included	–	92665
Blind Indoor 180	white	33233
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



# Product Information

- Wall motion detector with acoustic sensor
- Relay version with three-wire technology
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Manual switching via push-button possible
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available



# Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ↕ 92623= covering included 87 x 87 x 61 mm  
92665= covering not included 70 x 70 x 61 mm
- ⏻ approx. 0.5 W
- 📐 horizontal 180° (Wall mounting)
- 📏 max. 10 m across; max. 3 m towards
- 📏 150 m² / 1.1 m mounting height
- 📏 1 m / 2.2 m / 1.1 m
- 📏 92623= IP20 / Class II  
92665= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 💡 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED;  
max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush  
current I<sub>p</sub> (200 μs) = 800 A
- ⚡ 1x μ-contact, NO contact with tungsten pre-make  
contact
- 🕒 15 sec – 16 min, Pulse
- ☀ 10 – 2000 Lux

## Wall detectors

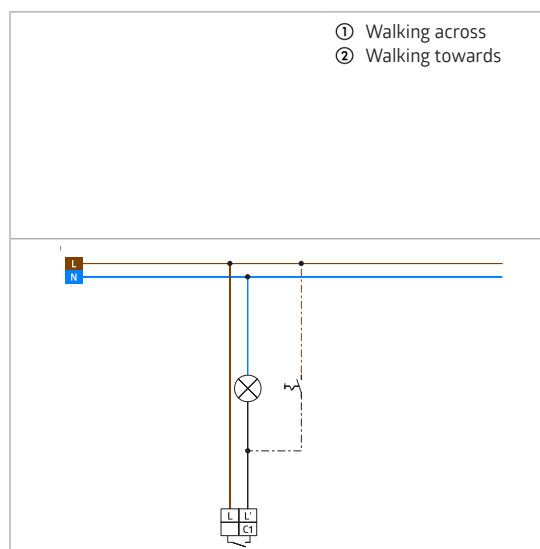
### Product and accessory

Description	Colour	Part no.
Indoor 180-T covering included	pure white mat, similar to RAL9010	92622
Indoor 180-T covering not included	–	92664
Blind Indoor 180	white	33233
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



### Product Information

- Wall motion detector with acoustic sensor
- Triac version with 2-wire technology, no neutral
- Acoustic sensor independently adjustable
- Only for resistive loads
- Noise automatically extends follow-up time
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- ↙ 92622= covering included 87 x 87 x 61 mm  
92664= covering not included 70 x 70 x 61 mm
- Ⓢ approx. 1.3 W
- 📐 horizontal 180° (Wall mounting)
- 📏 max. 10 m across; max. 3 m towards
- 📏 150 m² / 1.1 m mounting height
- 📏 1 m / 2.2 m / 1.1 m
- 📏 92622= IP20 / Class II  
92664= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- ⚡ 300 W, cos φ = 1 / min. 40 W; **not suitable for : LED loads**
- 🕒 15 sec – 16 min, Pulse
- ☀ 10 – 2000 Lux



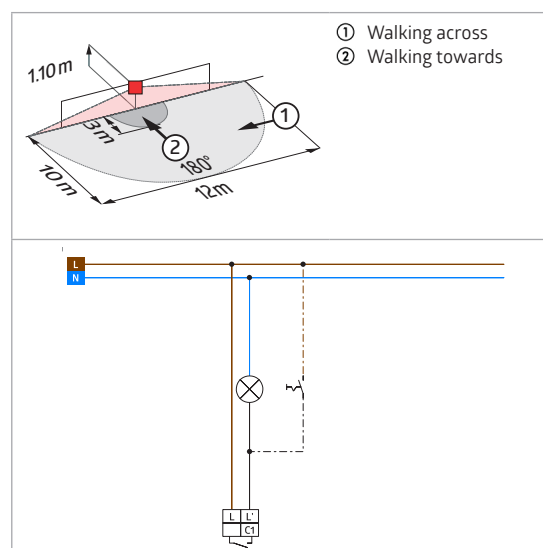
### Product and accessory

Description	Colour	Part no.
Indoor 180-R-2D covering included	pure white mat, similar to RAL9010	92616
Blind Indoor 180	white	33233
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



### Product Information

- Wall motion detector with acoustic sensor
- Relay version with 2-wire technology thanks to inbuilt battery
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- With already mounted frame
- B.E.G. frames and centre plates for combination with other frame systems available



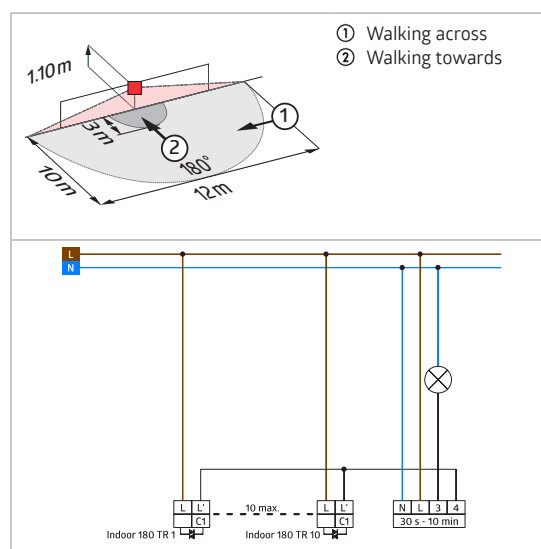
### Technical Data

- 110 – 240 V AC 50 / 60 Hz
- 5 × NiMH / 30 AAAA
- 1.2 V / 200 mAh
- 87 × 87 × 61 mm
- approx. 1.3 W
- horizontal 180° (Wall mounting)
- max. 10 m across; max. 3 m towards
- 150 m² / 1.1 m mounting height
- 1 m / 2.2 m / 1.1 m
- IP20 / Class II
- +5 °C to +45 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1 (at <40 W added arc extinction kit required); 1150 VA, cos φ = 0.5(< 4 ballasts, added arc extinction kit required); **not suitable for : LED loads**
- 1x µ-contact, NO contact with tungsten pre-make contact
- 15 sec – 16 min, Pulse
- 2 – 2000 Lux

## Wall detectors

### Product and accessory

Description	Colour	Part no.
Indoor 180-TR covering included	pure white mat, similar to RAL9010	92650
Indoor 180-TR covering not included	–	92668
Blind Indoor 180	white	33233
SCT1	grey	92655
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



### Product Information

- Wall motion detector designed for stair light timer switches
- Triac version with 2-wire technology, no neutral
- Guarantees correct operation with the SCT1 (max. 10 sensors per unit)
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available

### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz Power supply via staircase switch
- ▤ 92650= covering included 87 × 87 × 61 mm  
92668= covering not included 70 × 70 × 61 mm
- Ⓢ approx. 0.8 W
- 📐 horizontal 180° (Wall mounting)
- 📏 max. 10 m across; max. 3 m towards
- 📏 150 m² / 1.1 m mounting height
- 📏 1 m / 2.2 m / 1.1 m
- 📏 92650= IP20 / Class II  
92668= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1**
- 📏 0.2 A / 230 V
- 🕒 Pulse duration: 0.1 s; Deactivation of light evaluation  
1 min – 10 min
- 🌞 2 – 2000 Lux

## Motion detectors 11-48V

## Indoor 180-R-11-48V-3A

# Wall detectors

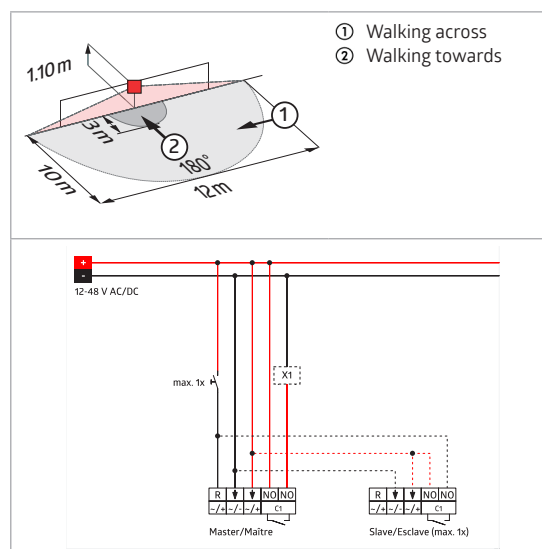
### Product and accessory

Description	Colour	Part no.
Indoor 180-R-11-48V-3A covering included	pure white mat, similar to RAL9010	92621
Indoor 180-R-11-48V-3A covering not included	–	92666
Blind Indoor 180	white	33233
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



### Product Information

- Wall motion detector with acoustic sensor, operating voltage 11-48 V
- One potential-free switching channel
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Manual switching via push-button possible
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available



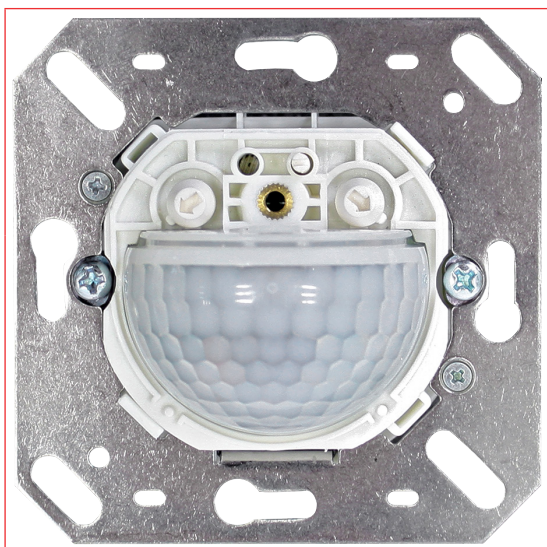
### Technical Data

- ① 11 – 48 V AC / DC
- ↳ 92621= covering included 87 × 87 × 61 mm  
92666= covering not included 70 × 70 × 61 mm
- ⏻ approx. 1 W
- 📐 horizontal 180° (Wall mounting)
- 📏 max. 10 m across; max. 3 m towards
- 📏 150 m² / 1.1 m mounting height
- 📏 1 m / 2.2 m / 1.1 m
- 📏 92621= IP20 / Class II  
92666= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- 🔌 **Channel 1 (lighting control, potential-free (dry))**
- ⚡ 3 A; cos φ = 1
- ⏱ μ-contact, dry NO contact
- 🕒 15 sec – 16 min, Pulse
- ☀ 5 – 2000 Lux

## Wall detectors

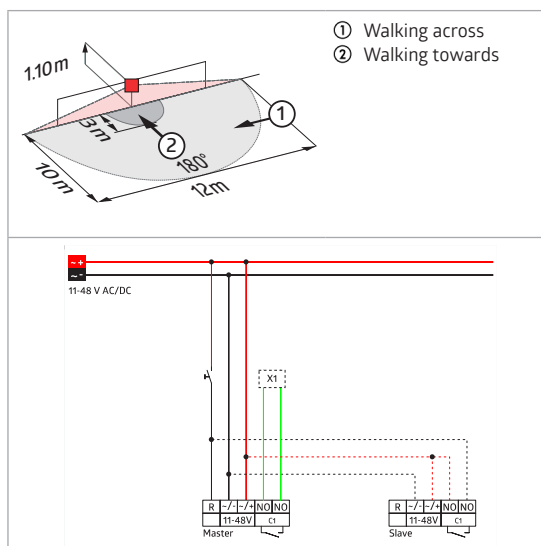
### Product and accessory

Description	Colour	Part no.
Indoor 180-R-11-48V-RR covering not included	–	92667
Blind Indoor 180	white	33233
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



### Product Information

- Wall motion detector with acoustic sensor, operating voltage 11-48 V
- One potential-free switching channel
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Manual switching via push-button possible
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available

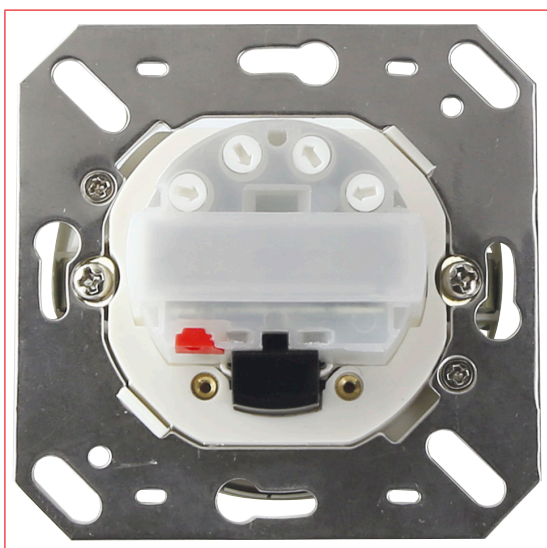


### Technical Data

- Ⓢ 11 – 48 V AC / DC
- Ⓢ 92667= covering not included 70 x 70 x 61 mm
- Ⓢ approx. 1 W
- Ⓢ horizontal 180° (Wall mounting)
- Ⓢ max. 10 m across; max. 3 m towards
- Ⓢ 150 m² / 1.1 m mounting height
- Ⓢ 1 m / 2.2 m / 1.1 m
- Ⓢ 92667= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Ⓢ **Channel 1 (lighting control, potential-free (dry))**
- Ⓢ 0.1 A; cos φ = 1 with Reed relay
- Ⓢ μ-contact, dry NO contact, with Reed relay
- Ⓢ 15 sec – 16 min, Pulse
- Ⓢ 5 – 2000 Lux

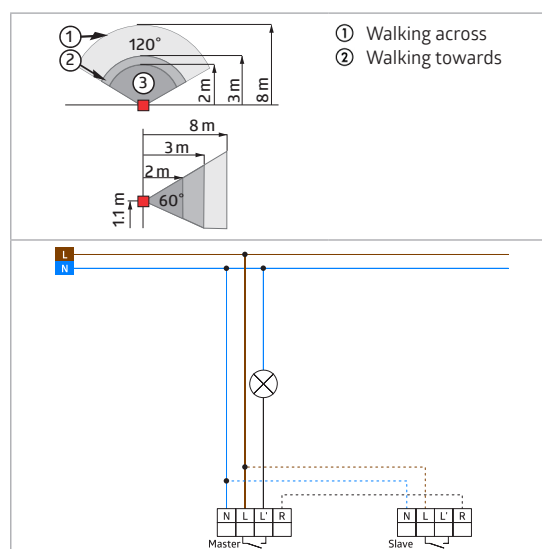
### Product and accessory

Description	Colour	Part no.
Indoor 140-L covering not included	–	94325
Indoor 140-L covering included	pure white glossy, similar to RAL9010	94328
Frame IP20 Indoor 140-L	anthracite mat, similar to RAL7021	94341
Frame IP20 Indoor 140-L	pure white glossy, similar to RAL9010	94342
Frame IP20 Indoor 140-L	pure white mat, similar to RAL9010	94343
Frame IP20 Indoor 140-L	oyster white mat, similar to RAL1013	94344
Central plate Indoor 140 45x45	pure white glossy, similar to RAL9010	38946
Central plate Indoor 140 63x63	pure white glossy, similar to RAL9010	94345
Central plate Indoor 140 55x55	pure white glossy, similar to RAL9010	94346



### Product Information

- Wall-mounted occupancy detector with integrated pushbutton
- One channel for switching light (selectively main light or orientation light)
- Integrated downlight with the function of an orientation or a night light
- Extension of the detection range possible by using up to 5 other Indoor 140-L
- Can be used as either Master device or Slave device
- Relay with tungsten pre-make contact, optimised for LED loads
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 4 different colours
- Please order coverings for EU version separately; available in various colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available



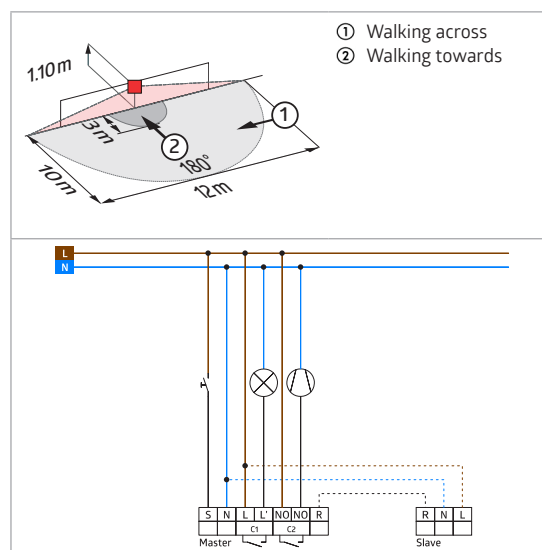
### Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- ② 94325= covering not included 70 x 70 x 52 mm  
94328= covering included 88 x 88 x 52 mm
- ③ approx. 0.4 W / approx. 0.8 W with nightlight
- ④ horizontal 120° (Wall mounting)
- ⑤ max. 8 m across; max. 3 m towards
- ⑥ 67 m² / 1.1 m mounting height
- ⑦ 1 m / 1.2 m / 1.1 m
- ⑧ 94325= IP20 / Class II  
94328= IP20 / Class II
- ⑨ -25 °C to +50 °C
- ⑩ 94325: (covering not included)  
94328: polycarbonate, UV-resistant
- ⑪ **Channel 1 (lighting control)**  
2000 W, cos φ = 1; 1000 VA, cos φ = 0.5; 300 W LED;  
max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (20 μs) = 800 A  
1x μ-contact, NO contact with tungsten pre-make contact
- ⑫ 15 sec – 30 min
- ⑬ 0 – 100 % / OFF / 15 s – 30 min
- ⑭ 0 – 100 %
- ⑮ 10 – 2000 Lux

# Wall detectors

## Product and accessory

Description	Colour	Part no.
Indoor 180-M-2C covering included	pure white mat, similar to RAL9010	92136
Indoor 180-M-2C covering not included	-	92661
Blind Indoor 180	white	33233
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-PD-2C	-	92475
IR-PD-Mini	-	92159
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



## Product Information

- Wall occupancy detector with acoustic sensor
- One channel for light switching
- One additional potential-free (dry) contact for HVAC
- Version as master device
- Detection area can be extended with slave devices
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available
- Factory settings 10 min and 500 lux (15 min HVAC)

## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ 92136= covering included 87 x 87 x 61 mm
- Ⓢ 92661= covering not included 70 x 70 x 61 mm
- Ⓢ approx. 0.4 W
- Ⓢ horizontal 180° (Wall mounting)
- Ⓢ max. 10 m across; max. 3 m towards
- Ⓢ 150 m² / 1.1 m mounting height
- Ⓢ 1 m / 2.2 m / 1.1 m
- Ⓢ 92136= IP20 / Class II
- Ⓢ 92661= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; 300 W LED; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- Ⓢ 1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ 15 sec – 30 min, Pulse
- Ⓢ 10 – 2000 Lux
- Channel 2 (HVAC control potential-free (dry))**
- Ⓢ 3 A (230 V), cos φ = 1
- Ⓢ 1x μ-contact, dry NO contact
- Ⓢ 5 min – 120 min, Alarm pulse, Pulse



# Wall detectors

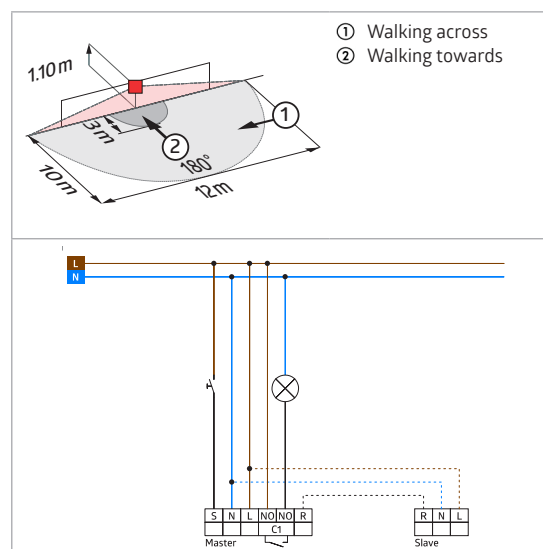
## Product and accessory

Description	Colour	Part no.
Indoor 180-S covering included	pure white mat, similar to RAL9010	92135
Indoor 180-S covering not included	–	92660
Blind Indoor 180	white	33233
Frame IP20 Indoor 180	pure white mat, similar to RAL9010	92630
Frame IP20 Indoor 180	traffic white mat, similar to RAL9016	92631
Frame IP20 Indoor 180	oyster white mat, similar to RAL1013	92632
Frame IP20 Indoor 180	silver mat, similar to RAL9006	92633
Frame IP20 Indoor 180	anthracite mat, similar to RAL7021	92634
Frame IP54 Indoor 180	pure white mat, similar to RAL9010	92139
Surface mounting socket Indoor 180	pure white mat, similar to RAL9010	92141
Central plate Indoor 180	traffic white mat, similar to RAL9016	38947
Central plate Indoor 180	oyster white mat, similar to RAL1013	39076



## Product Information

- Slave device
- For extending the detection area of a Master device
- Compatible with 230 V devices. Concerning exceptions please see the respective master device.
- Available with covering (centre plate dimensions 60 x 60 mm) or without covering for use with covering (centre plate dimensions 50 x 50 mm) in 5 different colours
- In combination with centre plates usable with current frame systems of various manufacturers
- B.E.G. frames and centre plates for combination with other frame systems available



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- ↗ 92135= covering included 87 x 87 x 61 mm  
92660= covering not included 70 x 70 x 61 mm
- Ⓢ approx. 0.2 W
- ↗ horizontal 180°
- ↗ max. 10 m across; max. 3 m towards
- ↗ 150 m² / 1.1 m mounting height
- ↗ 1 m / 2.2 m / 1.1 m
- IP 92135= IP20 / Class II  
92660= IP20 / Class II
- Ⓢ -25 °C to +50 °C
- ☐ polycarbonate, UV-resistant
- Ⓢ Pulse interval: 2 or 9 sec





## The **HF** Series – The New (HF) Radar Detector Generation

### Brightness-dependent light control

- High-frequency occupancy detector for indoor use
- Versions for ceiling mounting, surface mounting or flush mounting
- Temperature independent detection
- Detection through glass, wood and lightweight walls
- Range adjustable in five steps
- Convenient setting via smartphone app possible



# (HF) microwave motion and occupancy detectors

11

## Active occupancy detection – 360° view intelligently switched




HF microwave occupancy detectors can function through many materials such as wood, partition walls and glass, and therefore they can be installed “hidden” in lights or flush-mounted. In order to enable daylight-dependent lighting control, B.E.G. has fitted the new HF-MD3 and HF-MD4 microwave detectors with light sensors.

The external light sensors (optional on the HF-MD3) can be perfectly positioned (e.g. above the workstation, where light is most needed), while the power unit can be positioned near the lights for example. As well as an external light sensor, the HF-MD4 also has an external HF microwave sensor, which can for example be placed invisibly in the switch box next to the door.



## Detector overview

### (HF) radar occupancy and motion detector

HF detector	Page				Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
HF-MD1	167	–	94401	–	■	■	–	max. Ø 16 m	HF detector
HF-MD1 ESL	167	–	94417	–	■	■	–	max. Ø 16 m	HF detector
HF-MD2	168	–	94402	–	■	■	–	max. Ø 16 m	HF detector
HF-H-MD1 Standard	169	–	94431	–	■	■	–	max. Ø 16 m	HF detector
HF-MD3	170	–	94437	–	■	■	■	max. Ø 7 m	HF detector
HF-MD4	171	–	94438	–	■	■	■	max. Ø 7 m	HF detector
HF-MD6-C	172	–	92998	–	■	■	■	Ø 0.2 – 20 m	HF detector

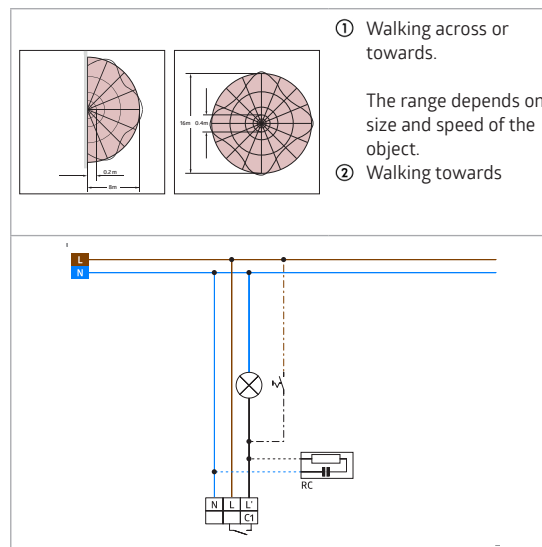
## Product and accessory

Description	Colour	Part no.
HF-MD1	white mat, similar to RAL9010	94401
HF-MD1 ESL	white mat, similar to RAL9010	94417



## Product Information

- Microwave motion detector, designed for surface mount and installation in lights
- Temperature-independent detection
- Detection can be made through various materials
- Range, switch-on threshold and follow-up time set via potentiometers



## Technical Data

- ① 230 V AC +/- 10% 50 / 60 Hz
- ② 101 × 42 × 42 mm
- ③ approx. 1.2 W
- ④ horizontal 360° (Ceiling mounting)  
Ø 0.4 – 16 m
- ⑤ max. 8 m towards
- ⑥ 200 m² / 2.5 m mounting height  
1 m / 4 m / 2.5 m
- ⑦ IP20 / Class II
- ⑧ -15 °C to +50 °C
- ⑨ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- ⑩ 1200 W, cos φ = 1; max. inrush current I<sub>p</sub> (20 ms) = 120 A  
1x µ-contact, NO contact
- ⑪ **HF-MD1:** 5 sec – 15 min  
**HF-MD1 ESL:** (for use with fluorescent lamps) 5 min – 15 min
- ⑫ 2 – 2000 Lux
- ⑬ Radar / HF technology: 5.8 GHz, <10 mW

# Microwave detectors

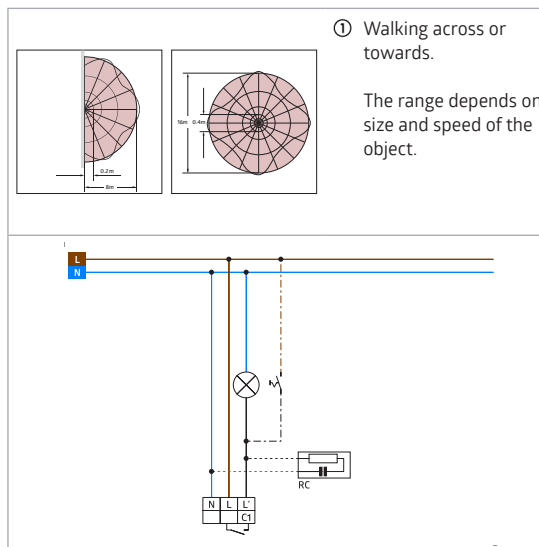
## Product and accessory

Description	Colour	Part no.
HF-MD2-SM	white mat, similar to RAL9010	94402
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Microwave motion detector, designed for surface mount
- Temperature-independent detection
- Detection can be made through various materials
- Range, switch-on threshold and follow-up time set via potentiometers



## Technical Data

- Ⓢ 230 V AC +/- 10% 50 / 60 Hz
- Ⓢ Ø 117 x 45 mm
- Ⓢ approx. 1.2 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ Ø 0.4 – 16 m
- Ⓢ 200 m² / 2.5 m mounting height
- Ⓢ 1 m / 4 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -15 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 1200 W, cos φ = 1; max. inrush current I<sub>p</sub> (20 ms) = 120 A
- Ⓢ 1x µ-contact, NO contact
- Ⓢ 5 sec – 15 min
- Ⓢ 2 – 2000 Lux
- Ⓢ Radar / HF technology: 5.8 GHz, <10 mW

# Motion detector

# HF-H-MD1 Standard

# Microwave detectors

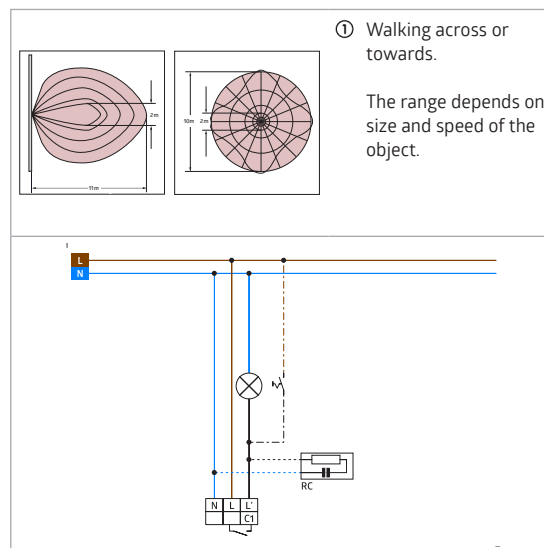
## Product and accessory

Description	Colour	Part no.
HF-H-MD1 Standard	white mat, similar to RAL9010	94431



## Product Information

- Microwave motion detector, designed for surface mount and installation in lights
- Temperature-independent detection
- Detection can be made through various materials
- Range, switch-on threshold and follow-up time are adjustable with DIP switches



## Technical Data

- ① 230 V AC +/- 10% 50 Hz
- ⏏ 103 × 53 × 26 mm
- ⏏ approx. 0.8 W
- ⏏ horizontal 360° (Ceiling mounting)
- ⏏ Ø 0.2 – 16 m
- ⏏ 200 m² / 2.5 m mounting height
- ⏏ 1 m / 11 m / 2.5 m
- ⏏ IP20 / Class II
- ⏏ -35 °C to +70 °C
- ⏏ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- ⏏ 1000 W, cos φ = 1
- ⏏ 1x µ-contact, NO contact
- ⏏ 5 sec – 25 min
- ⏏ 2 – 30 Lux
- ⏏ Radar / HF technology: 5.8 GHz, <10 mW

# Microwave detectors

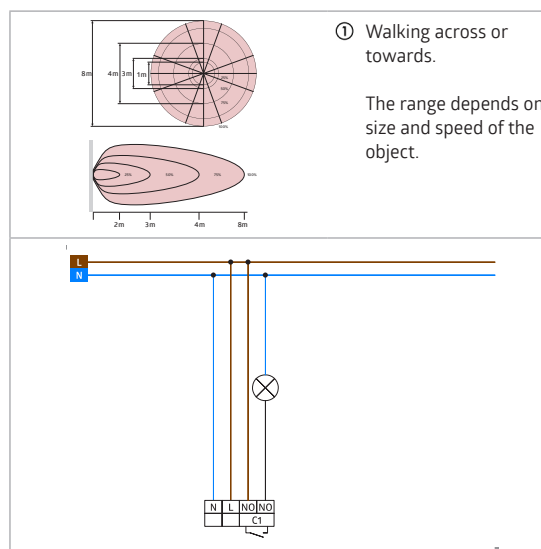
## Product and accessory

Description	Colour	Part no.
HF-MD3	white mat, similar to RAL9010	94437
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
HF-CO1 impact protection and strain relief	white	94460
HF-EM1 external light sensor with IR receiver	white	94459



## Product Information

- Microwave occupancy detector for indoor use
- Light sensor integrated into case
- Setup via potentiometer on device
- Extendible by external light sensor with integrated IR receiver for remote capability of the detector
- Temperature-independent detection
- Detection through glass, wood and partition walls



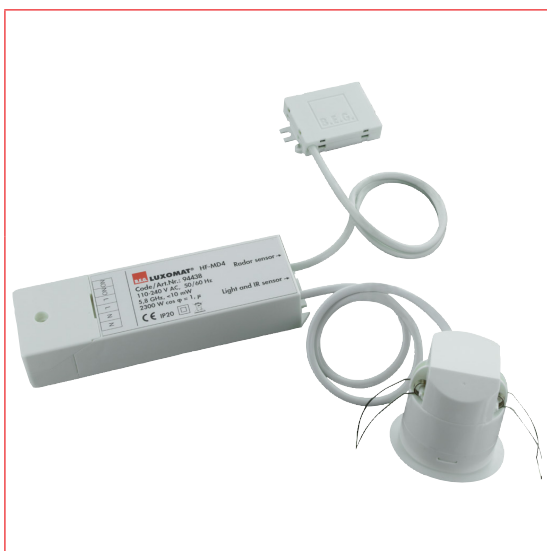
## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ 120 × 40 × 26 mm
- Ⓢ approx. 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ Ø 0.2 – 7 m
- Ⓢ 38 m² / 2.5 m mounting height
- Ⓢ 2 m / 2.5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -15 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
- Ⓢ 1x µ-contact, NO contact
- Ⓢ 15 sec – 30 min
- Ⓢ 10 – 1200 Lux
- Ⓢ Radar / HF technology: 5.8 GHz, <10 mW



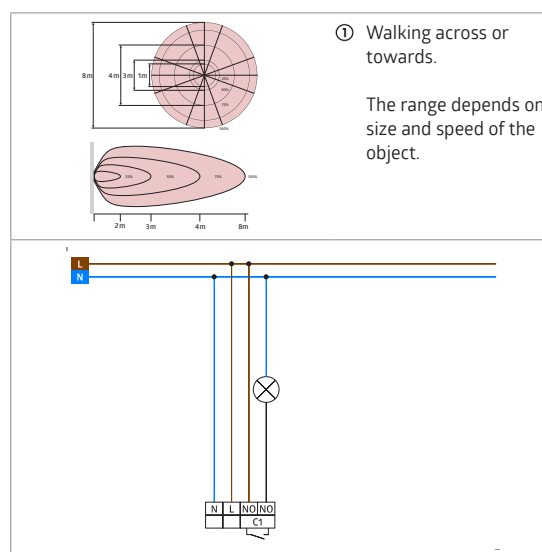
## Product and accessory

Description	Colour	Part no.
HF-MD4	white mat, similar to RAL9010	94438
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
HF-CO1 impact protection and strain relief	white	94460



## Product Information

- Microwave occupancy detector for indoor use
- Optimal and individual setup via external light sensor and external HF radar sensor
- Convenient programming with B.E.G. Smartphone app
- Temperature-independent detection
- Detection through glass, wood and partition walls



## Technical Data

- ① 110 – 240 V AC 50 / 60 Hz
- 120 × 40 × 26 mm
- approx. 0.5 W
- horizontal 360° (Ceiling mounting)
- Ø 0.2 – 7 m
- 38 m² / 2.5 m mounting height
- 1 m / 2.5 m / 2.5 m
- IP20 / Class II
- 15 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
- 1x µ-contact, NO contact
- 15 sec – 30 min
- 10 – 1200 Lux
- Radar / HF technology: 5.8 GHz, <10 mW

## Microwave detectors

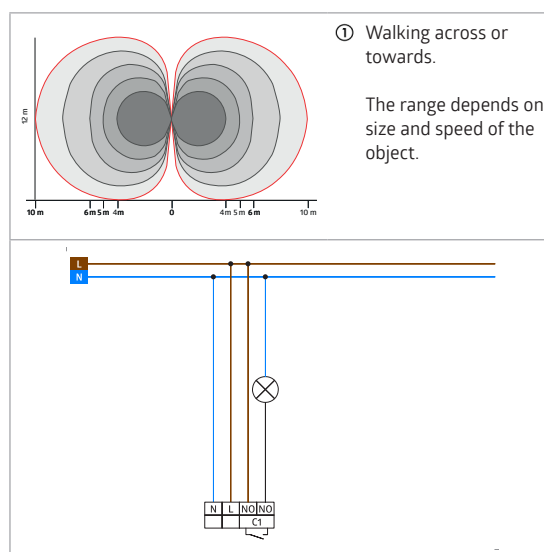
### Product and accessory

Description	Colour	Part no.
HF-MD6-C-SM	white mat, similar to RAL9010	92998
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
HF-CO1 impact protection and strain relief	white	94460



### Product Information

- Microwave occupancy detector for indoor use
- Convenient programming with B.E.G. Smartphone app
- Temperature-independent detection
- Detection through glass, wood and partition walls



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ 120 × 40 × 26 mm
- Ⓢ approx. 0.5 W
- Ⓢ horizontal 360° (Ceiling mounting)
- Ⓢ Ø 0.2 – 20 m
- Ⓢ 310 m² / 2.5 m mounting height
- Ⓢ 1 m / 2.5 m / 2.5 m
- Ⓢ IP20 / Class II
- Ⓢ -15 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
- Ⓢ 1x µ-contact, NO contact
- Ⓢ 15 sec – 30 min
- Ⓢ 10 – 1200 Lux
- Ⓢ Radar / HF technology: 5.8 GHz, <10 mW

# LUXOMAT® Photo electric switches

**Switching the light becomes comfortable thanks to the integrated automatic function**

Photoelectric switches are the right choice for all those places where lights need to be automatically switched on or off at the end or beginning of the day.

Light sensors measure the ambient light conditions and the device will switch the light on or off depending on the pre-set twilight value. Generally, lights are not needed at certain times of the day. B.E.G. products therefore allow the light to be controlled in relation to the twilight and are thus able to help save energy.

B.E.G. supplies photo electric switches for a variety of purposes to this end: for DIN rails, for installation in units and for wall or mast installation as well as a remote control-capable product.

In addition to a dimmable version, the range also includes a twilight switch with an additional DALI/DSI interface.



## Detector overview

### Overview photo electric switches & constant light controllers

Photo electric switches	Page	Part no.	Surface mounting	Ceiling mounting	Post mounting	Device installation	DIN-rail	Remote control-capable	Switching power	Time delay
CdS-T-SM	175	92367	■	–	–	–	–	■	2300 W	–
CdS-SM	176	92369	■	–	■	–	–	–	2300 W	■
CdS-FC	177	92249	–	■	–	–	–	■	2000 W	■
CdS-R	178	92365	–	–	–	■	–	–	1000 W	■
TS-DD	179	92681	–	–	–	–	■	–	1000 W	■
CdS-LC-SM	180	93016	■	–	–	–	–	–	2300 W	■
CdS-DIM-FC	181	92589	–	■	–	–	–	■	2300 W	■
MiniClip LR1	182	92320	–	–	–	–	–	–	–	–
CdS-DALI/DSI-FC	183	92562	–	■	–	–	–	■	2300 W	■
CdS-DALI/DSI-SM	183	92563	■	–	–	–	–	■	2300 W	■

### Product and accessory

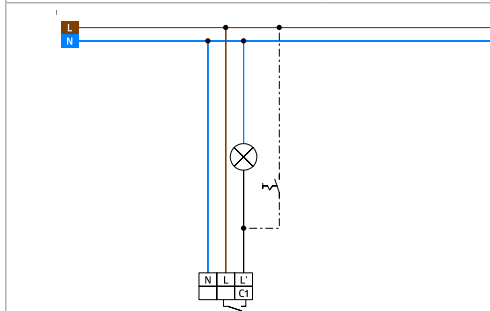
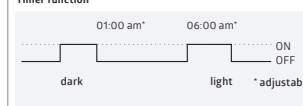
Description	Colour	Part no.
CdS-T-SM	white mat, similar to RAL9010	92367
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-CdS-T	-	92368



### Product Information

- Remote control-capable photo electric switch with integrated timer
- Energy-saving period may be programmed with the integrated timer by the touch of a button
- Inputting the current light value by the touch of a button
- Infrared remote control included
- Relay with tungsten pre-make contact, optimised for LED loads

#### Timer function



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ 69 × 63 × 55 mm
- Ⓢ < 0.5 W
- Ⓢ IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W,  $\cos \varphi = 1$ ; 1150 VA,  $\cos \varphi = 0.5$ ; max. inrush current  $I_p$  (20 ms) = 165 A; max. inrush current  $I_p$  (200  $\mu$ s) = 800 A
- 1x NO contact with tungsten pre-make contact
- Ⓢ 2 – 300 Lux

## Photoelectric switches

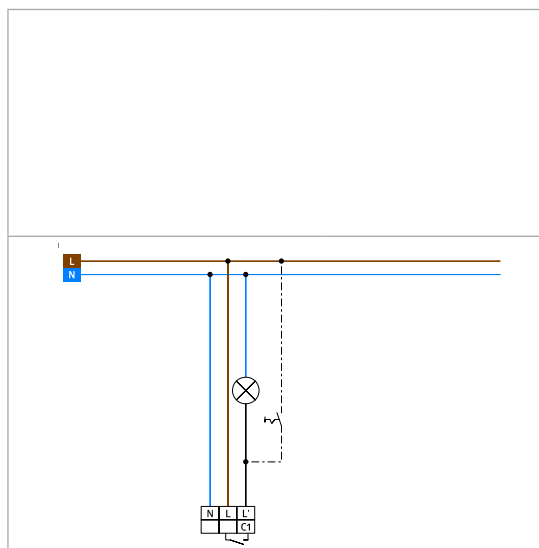
### Product and accessory

Description	Colour	Part no.
CdS-SM	white	92369



### Product Information

- Photoelectric switch for automatically switching
- Activation and deactivation delay with self-learning deactivation-light value
- Integrated automatic function (10 Lux / 40 sec. activation / 120 sec. deactivation delay)
- LED adjustment aid (without delay) for adjustment of the switch-on threshold
- Light value and activation/deactivation delay may be set from the outside using the potentiometer
- Double cable inlet from underneath possible
- Wall and mast installation



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ 42 × 80 × 96 mm
- Ⓢ < 0.5 W
- Ⓢ IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 2300 W,  $\cos \varphi = 1$ ; 1150 VA,  $\cos \varphi = 0.5$
- Ⓢ 1x  $\mu$ -contact, NO contact
- Ⓢ 1 s - 120 s
- Ⓢ 2 – 1000 Lux

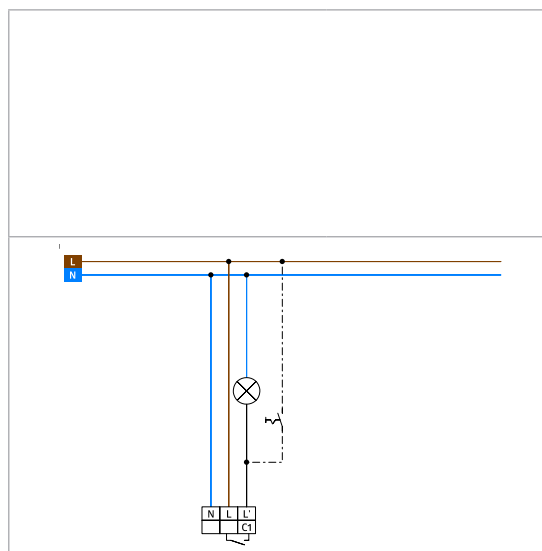
## Product and accessory

Description	Colour	Part no.
CdS-FC	white mat, similar to RAL9010	92249
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-CdS-FP	-	92396



## Product Information

- Remote control-capable photoelectric switch
- Extra flat form – only 6 mm high
- Adjustable deactivation delay with selflearning deactivation and twilight value



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 80 × 74 mm
- Ⓢ < 1 W
- Ⓢ IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
  - 2000 W, cos φ = 1; 1000 VA, cos φ = 0.5; max. inrush current  $I_p$  (20 ms) = 165 A; max. inrush current  $I_p$  (200 μs) = 800 A
  - 1x μ-contact, NO contact with tungsten pre-make contact
- Ⓢ determined automatically
- Ⓢ 5 s - 30 min
- Ⓢ 10 – 2000 Lux
- Mixed light, daylight + artificial-light measuring



# Photoelectric switches

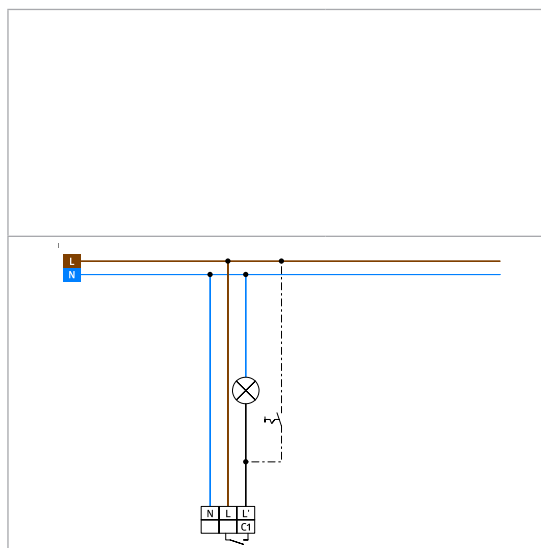
## Product and accessory

Description	Colour	Part no.
CdS-R	black mat, similar to RAL9005	92365



## Product Information

- Photoelectric switch with switch relay
- For retrofitting in outdoor lights and for use in branch boxes
- Continuously variable twilight value
- The cable between the photo sensor and electronic unit is around 15 cm long and may be extended to a maximum of 1.50 m



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Light sensor Ø 15 × 24 mm, Power supply: 61 × 23 × 38 mm
- Ⓢ < 0.5 W
- Ⓢ Housing IP20 / Light sensor IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Ⓢ 1000 W, cos φ = 1; 350 VA, cos φ = 0.4
- Ⓢ 1x µ-contact, NO contact
- Ⓢ 10 s - 15 s
- Ⓢ 2 – 100 Lux

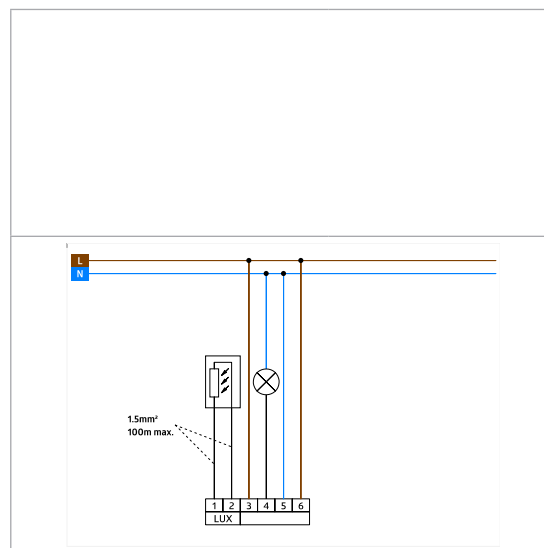
### Product and accessory

Description	Colour	Part no.
TS-DD	white glossy, similar to RAL7047	92681



### Product Information

- Photoelectric switch set for DIN rail
- LED adjustment aid (without delay) for adjustment of the switch-on threshold
- Electronic component for installation onto DIN rail for convenient adjustment in the control cabinet
- Switches off at around 1.3 times the activation value
- Separate light sensor for surface or flush installation (included)



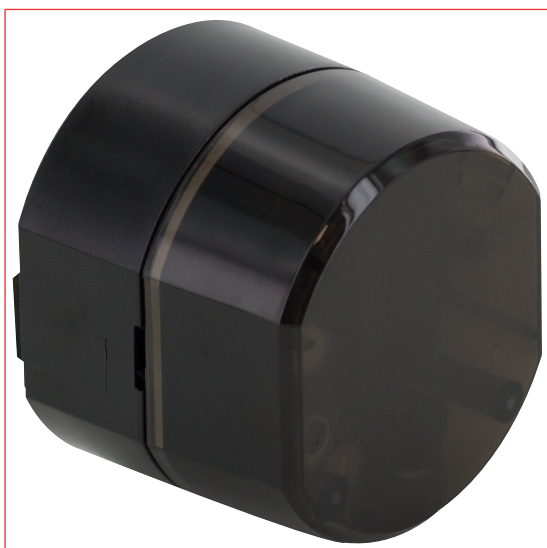
### Technical Data

- Ⓢ 230 V AC +/- 10% 50 Hz
- ⚡ Light sensor: 63 x 38 x 58 mm, DIN-rail mount device  
90 x 18 x 45 mm
- Ⓐ 10 mA
- IP Light sensor IP54 / Class II (Light sensor)
- Light sensor -35 °C to +50 °C  
Electronical unit -10 °C to +40 °C
- 📁 polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- ⚡ **Resistive loads** 1000 W,  $\cos \varphi = 1$ ; **Fluorescent lamps parallel compensated** 600 W; **LV halogen lamps** 450 W  
1x NO contact
- ⌚ approx. 8 s
- ⌚ approx. 40 s
- ☀ 1 – 100 Lux / 50 – 1000 Lux

## Photoelectric switches

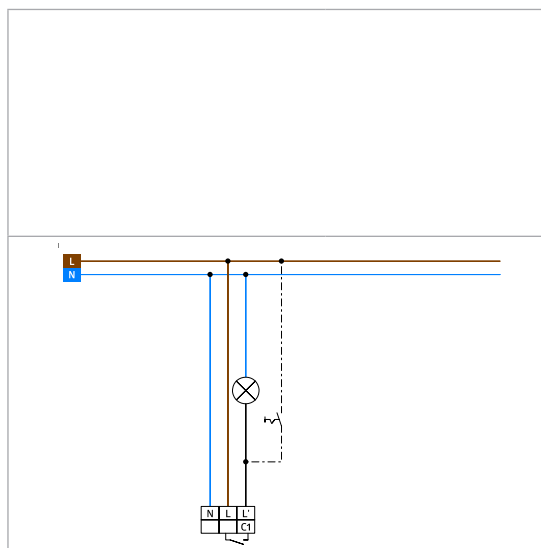
### Product and accessory

Description	Colour	Part no.
CdS-LC-SM	black	93016



### Product Information

- Photoelectric switch for automatic switching of lights
- LED adjustment aid (without delay) for adjustment of the switch-on threshold
- Light value and activation/deactivation delay may be set from the outside using the potentiometer



### Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- ↳ 55 × 63 × 68 mm
- Ⓢ approx. 0.5 W
- IP IP54 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Automatic mode (Switch-on threshold 20 Lux, Switch-on delay 10 s, Switch-off delay 40 s)
- Connections and wires: for solid conductors 0.25 – 2.5 mm<sup>2</sup>
- Ⓢ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
- μ-contact, NO contact
- Ⓢ 10 s
- Ⓢ 40 s
- Ⓢ 20 – 1000 Lux

# Photoelectric switches

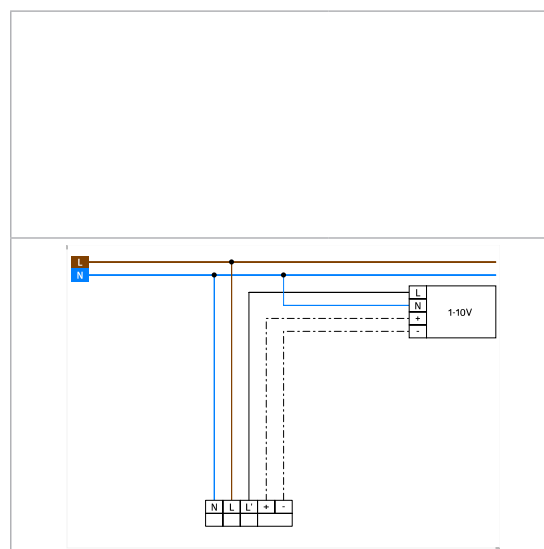
## Product and accessory

Description	Colour	Part no.
CdS-DIM-FC	white mat, similar to RAL9010	92589
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-CdS	-	92577
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Remote controllable, photo electric switch with ability to dim, for ceiling mounting
- Illumination can be dimmed to a desired brightness value.
- Actual light value can be read and delay time can be set using the optional infrared remote control
- For connection of up to 50 EB
- Constant light regulation
- Dynamic switch-on delay
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- Ⓢ Ø 80 × 75 mm
- Ⓢ < 1 W
- IP IP20 / Class II
- Ⓢ -25 °C to +50 °C
- Ⓢ polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- 1x μ-contact, NO contact with tungsten pre-make contact
- DIM 1-10 V DC, up to 50 ballasts
- Ⓢ determined automatically
- Ⓢ 1 min - 30 min
- Ⓢ 10 – 2000 Lux

## Photoelectric switches

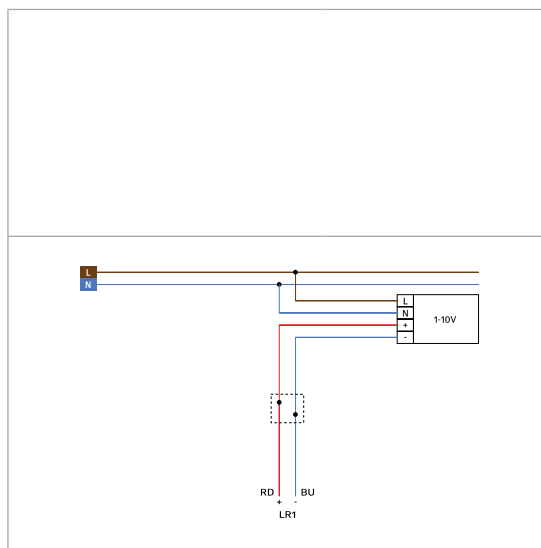
### Product and accessory

Description	Colour	Part no.
MiniClip LR1	white	92320



### Product Information

- MiniClip LR1 light sensor with mixed light measurement for constant light control, to be clipped on to the T5 and T8 fluorescent lamps
- 1 – 10 V interface for control of dimmable electronic ballast
- Continuous dimming is used to implement constant light control for room lights that adapt to the amount of daylight.
- The light value to be kept constant in the room may be set by turning the knurled sensor cap.



### Technical Data

- Ø 31 × 68 mm
- vertical 140° (Ceiling mounting)
- IP20 / Class II
- 0 °C to +50 °C
- polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 1-10 V DC, up to 50 ballasts
- 400 – 1500 Lux

# Photoelectric switches

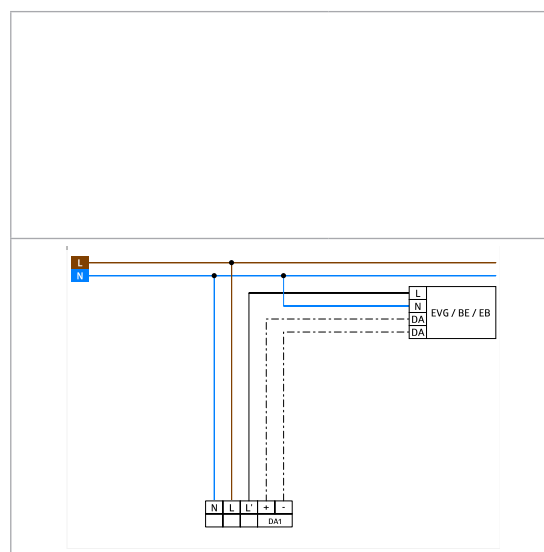
## Product and accessory

Description	Colour	Part no.
CdS-DALI/DSI-FC	white matt, similar to RAL9010	92562
CdS-DALI/DSI-SM	white matt, similar to RAL9010	92563
Wall holder PD4-SM	white	92441
BLE-IR-Adapter	black	93067
IR-Adapter for Smartphones	black	92726
IR-CdS	-	92577
Wire basket BSK (Ø 200 x 90 mm)	white	92199



## Product Information

- Remote control-capable photoelectric switch with DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Relay contact for completely switching off electronic ballasts
- Illumination can be dimmed to a desired brightness value.
- Actual light value can be read and delay time can be set using the optional infrared remote control
- Constant light regulation
- Dynamic switch-on delay
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4



## Technical Data

- Ⓢ 110 – 240 V AC 50 / 60 Hz
- ⚡ FC= Ø 80 × 75 mm  
SM= Ø 102 × 48 mm
- Ⓢ < 1 W
- IP FC= IP20 / Class II  
SM= IP54 / Class II
- 🌡 -25 °C to +50 °C
- 📦 polycarbonate, UV-resistant
- Channel 1 (lighting control)**  
2300 W, cos φ = 1; 1150 VA, cos φ = 0.5; max. inrush current I<sub>p</sub> (20 ms) = 165 A; max. inrush current I<sub>p</sub> (200 μs) = 800 A
- ⚡ 1x μ-contact, NO contact with tungsten pre-make contact
- 📶 up to 50 DALI / DSI-EB
- 📶 determined automatically
- 📶 1 min - 30 min
- 📶 10 – 2000 Lux

# Bluetooth Infrared Programmer for Smartphones

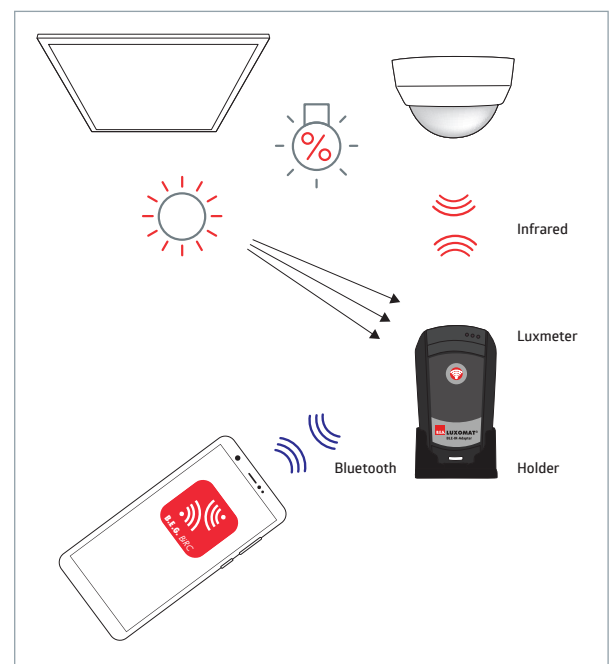
“



## The new tool for installers

### Highlights

- Connects the smartphone to all B.E.G. remote products: The Bluetooth infrared adapter for programming and calibration
- Communicates with smartphone via Bluetooth Low Energy and with product via Infrared
- Bidirectional communication method
- Easy and user friendly programming of B.E.G. products via the free B.E.G. App
- Quick programming without smartphone is possible thanks to the adapter's memory.
- Integrated luxmeter for brightness and light measurement
- Actual light level is transmitted regularly to compatible B.E.G. products.
- For compatible Android or iOS smartphones, compatibility list see B.E.G. website





## Remote controls

### The B.E.G. BLE-IR adapter for smartphones, the alternative to B.E.G. remote controls

Almost 15 years ago, B.E.G. was the first to offer a remote control-capable motion detector. Nowadays, almost all B.E.G. occupancy and motion detectors are remote control-capable. To make things easier, B.E.G. offers the remote control app.

What you need is a compatible Smartphone with internet connection and the B.E.G. LUXOMAT® remote control app, which is downloadable in the Google Play Store or the Apple Store. The update service ensures that the app is always up to date.

The app contains all current B.E.G. remote controls and therefore replaces more than 40 remote controls. The userfriendly navigation offers the possibility to search for the product to program or the respective remote control by name or part number. Therefore, the installer (or the user) quickly finds the right user interface.

The transmission to the respective detector works via the B.E.G. IR adapter for smartphones BLE-IR. The connection is bidirectional via Bluetooth Low Energy. The brightness measurement integrated in the adapter is transmitted cyclically to the compatible B.E.G. devices.



## Overview remote controls

Remote control	Part no.	RC-plus next N	LC-plus 280	PD2	PD3N
IR-RC	92000	■	-	-	-
IR-RC-LD	92649	■	-	-	-
IR-RC-Mini	92090	■	-	-	-
IR-LC-plus	92095	-	■	-	-
IR-LC-Mini	92093	-	■	-	-
IR-PD3N	92105	-	-	-	PD3N-1C-N0-PF PD3N-1C (Micro)
IR-PD3/4N-1C-E	93110	-	-	-	PD3N-1C
IR-PD3N-2C	92115	-	-	-	PD3N-2C
IR-PD-Mini	92159	-	-	PD2-M-1C PD2-M-2C	-
IR-PD-1C	92520	-	-	PD2-M-1C	-
IR-PD-2C	92475	-	-	PD2-M-2C	-
IR-PD-LD	92479	-	-	-	-
IR-PD4-GH	92215	-	-	-	-
IR-PD9 (devices before 2011)	92201	-	-	-	-
IR-PD9-E	92077	-	-	PD2-M-1C	-
IR-PD (devices before 2011)	92160	-	-	PD2-M-1C PD2-M-2C	-
IR-PD4-TRIO-3C	92851	-	-	-	-
IR-PD-DUO	92092	-	-	-	-
IR-PDim	92200	-	-	PD2-M-DIM	-
IR-PD-DIM-Mini	92098	-	-	PD2-M-DIM	-
IR-PD4-TRIO	92097	-	-	-	-
IR-PD4-TRIO-2R1D	92473	-	-	-	-
IR-PD-DIM-HKL	92114	-	-	-	-
IR-PD-DALI-Mini	92112	-	-	PD2-M-DALI/DSI	-
IR-PD-DALI	92094	-	-	PD2-M-DALI/DSI	-
IR-PD-DALI-LD	92652	-	-	PD2-M-DALI/DSI	-
IR-PD4-TRIO-DALI	92104	-	-	-	-
IR-PD-DALI-1C	92116	-	-	PD2-M-DALI/ DSI-1C	-
IR-PD-DALI-E	92122	-	-	PD2-M-DALI/DSI	-
IR-PD-KNX	92123	RC-plus next N 230 KNX-DX	-	PD2N-KNX-ST/-DX	-
IR-PD-KNX-Mini	93398	RC-plus next N 230 KNX-DX	-	PD2N-KNX-DX	-
IR-LTMS	92185	-	-	PD2N-LTMS-RR	-
IR-CdS-T	92368	-	-	-	-
IR-CdS	92577	-	-	-	-
IR-CdS-FP	92396	-	-	-	-
IR-PD-LON	92835	-	-	PD2N-LON	-
IR-Adapter for smartphones	92726	all	all	all	all
BLE-IR-Adapter	93067	all	all	all	all

PD4	PD5	PD9	PD11	Indoor 180	CdS
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
PD4N-1C	-	-	-	-	-
PD4N-1C-C	-	-	-	-	-
PD4N-1C	-	-	-	-	-
-	-	-	-	-	-
PD4-M-1C	PD5-M-1C	PD9-M-1C(-GH)	-	Indoor 180-M-2C	-
PD4-M-1C-GH		PD9-M-1C-SDB-IP65(-GH)	-		-
PD4-M-2C					
PD4-M-1C					
PD4-M-2C-DS	-	PD9-M-1C(-GH)	PD11-M-1C	-	-
PD4-M-1C-C(-PS)					
PD4-M-2C	-	PD9-M-2C	-	Indoor 180-M-2C	-
PD4-M-2C-C	-				
PD4-M-1C-GH	-	-	-	-	-
PD4-M-1C-GH	-	-	-	-	-
-	-	PD9-M-1C(-GH)	-	-	-
		PD9-M-1C-SDB-IP65(-GH)	-	-	-
PD4-M-1C					
PD4-M-1C-C		PD9-M-1C(-GH)			
PD4-M-2C-DS		PD9-M-2C	PD11-M-1C	-	-
PD4-M-1C-PS					
PD4-M-TRIO-C-3P					
PD4-M-1C					
PD4-M-2C	PD5-M-1C	-	-	-	-
PD4-M-2C-C					
PD4-M-3C-TRIO	-	-	-	-	-
PD4-M-2C-DUO	-	-	-	-	-
PD4-M-DIM					
PD4-M-DIM-C	PD5-M-DIM	PD9-M-DIM(-GH)	-	-	-
PD4-M-DIM-HVAC					
PD4-M-DUO-DIM					
PD4-M-DIM					
PD4-M-DIM-C	PD5-M-DIM	PD9-M-DIM(-GH)	-	-	-
PD4-M-DIM-HVAC					
PD4-M-DUO-DIM					
PD4-M-TRIO-DIM	-	-	-	-	-
PD4-M-TRIO-2R-1D	-	-	-	-	-
PD4-M-DIM-HVAC	-	PD9-M-DIM-HVAC	-	-	-
PD4-M-DALI/DSI					
PD4-M-DALI/DSI-C	-	PD9-M-DALI/DSI	-	-	-
PD4-M-DUO-DALI/DSI		PD9-M-DALI/DSI-GH	-	-	-
PD4-M-DALI/DSI					
PD4-M-DALI/DSI-C	-	PD9-M-DALI/DSI	-	-	-
PD4-M-DUO-DALI					
PD4-M-DALI/DSI					
PD4-M-DALI/DSI-C	-	PD9-M-DALI/DSI	-	-	-
PD4-M-DUO-DALI					
PD4-M-TRIO-DALI	-	-	-	-	-
PD4-M-DALI/DSI-1C	-	-	-	-	-
PD4-M-DUO-DALI	-	PD9-M-DALI/DSI	-	-	-
PD4-M-DALI/DSI					
PD4N-KNX-ST	-	PD9-KNX(-GH)-DX	PD11-KNX-DX	Indoor 180 KNX- DX	-
PD4N-KNX(-GH/-C)-DX	-				
PD4N-KNX(-GH/-C)-DX	-	PD9-KNX(-GH)-DX	PD11-KNX-DX	Indoor 180 KNX- DX	-
PD4N-LTMS-RR	-	-	-	-	-
-	-	-	-	-	CdS-T-SM
-	-	-	-	-	CdS-DALI/DSI-SM
-	-	-	-	-	CdS-DIM-FC
-	-	-	-	-	CdS-FC
PD4N-LON	-	PD9-LON	-	Indoor 180-LON	-
all	all	all	all	all	all
all	all	all	all	all	all



## Tailored lighting systems for every project

### Individual lighting management for your project

We provide the right solution for every requirement. If the right product is not available, then we will offer a special solution, tailor-made for your project. Our years of experience and the excellent quality of our products make us the experts in intelligent building automation.

It is important to us that you always receive the best service. Therefore we will be delighted to support you in your planning. For virtual planning, BIM files are available for you to download from the website. We will be happy to help you with the best arrangement of detectors based on your CAD plan. Our field operatives will visit you on site if necessary and help you with installation.

**General application – special, property-specific requirements must be observed.**



# Design examples for electricians and planners

## Convenient and safe designs with B.E.G.

Selecting the right occupancy detector or multisensor for each area of the project is not always easy with the diversity and special functions of the detectors. As a specialist, B.E.G. offers detectors for almost every requirement.





























We will be happy to assist you with the selection and planning. On the following pages we have compiled tips on the optimum installation location, correct switching and correct setting of our detectors as well as design examples for various projects.

Here you can quickly see which detectors are best suited for which situations. Furthermore, use the experience of B.E.G. for successful planning and smooth operation of B.E.G. detectors.

Our field staff will advise you directly on site. If you wish, our specialists can use your CAD plan to plan the optimum distribution of our motion and occupancy detectors. Simply send us your plans by e-mail. We will take care of the rest, free of charge of course. You can rely on us: Even after the purchase, we are there to advise you until the completion of your project.



# Selection Guide

Choose the applicative detector			for switching		for dimming 1-10 VDC		DALI/DSI output		KNX output		Slaves	
			Description	Part no.	Description	Part no.	Description	Part no.	Description	Part no.	Description	Part no.
Office ≤ 13 m²		False ceiling	PD2-M-1C-FC	92565	PD2-M-DIM-FC	92167	PD2-M-DALI/DSI-FC	92258	PD2N-KNX-DX-FC	93360	PD2-S-FC	92166
		Surface mounting	PD2-M-1C-SM	92550	PD2-M-DIM-SM	92153	PD2-M-DALI/DSI-SM	92280	PD2N-KNX-DX-FM + SM- mounting kit	93361	PD2-S-SM	92152
		False ceiling luminaire installation	PD11-M-1C-FLAT-FC	92583					PD11-KNX-FLAT-DX-FC	93392	PD11-S-FLAT-FC	92593
		False ceiling luminaire installation					PICO-DALISYS	93909	PICO-KNX-DX	92719		
Open-plan office, Meeting room		False ceiling	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4N-KNX-DX-FC	93386	PD4-S-FC	92254
		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4N-KNX-DX-FM + SM- mounting kit	93387	PD4-S-SM	92142
Hallway, Corridor		False ceiling	PD4-M-2C-C-FC	92143	PD4-M-DIM-C-FC	92217	PD4-M-DALI/DSI-C-FC	92328	PD4N-KNX-C-DX-FC	93388	PD4-S-C-FC	92444
		Surface mounting	PD4-M-2C-C-SM	92440	PD4-M-DIM-C-SM	92218			PD4N-KNX-C-DX-FM + SM- mounting kit	93389	PD4-S-C-SM	92442
		Wall mount	Indoor 140-L	94327					Indoor 140-L-KNX-DX	93393		
Entrance hall		False ceiling	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4N-KNX-DX-FC	93386	PD4-S-FC	92254
		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4N-KNX-DX-FM + SM- mounting kit	93387	PD4-S-SM	92142
Underground car park		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4N-KNX-DX-FM + SM- mounting kit	93387	PD4-S-SM	92142
Individual office		False ceiling					PD4-M-DALI/DSI-FC	92275	PD4N-KNX-DX-FC	93386		
		Surface mounting					PD4-M-DALI/DSI-SM	92279	PD4N-KNX-DX-FM + SM- mounting kit	93387		
Bathroom		False ceiling	PD9-M-1C-SDB-IP65-FC	92912					PD9-KNX-DX-FC	93390	PD9-S-SDB-FC	92915
Classroom		False ceiling for 2 light zones	PD4-M-2C-DUO-FC	92251	PD4-M-DUO-DIM-FC	92272	PD4-M-DUO-DALI/DSI-FC	92276			PD4-S-FC	92142
		False ceiling for 3 light zones	PD4-M-3C-TRIO-FC	92745	PD4-M-TRIO-DIM-FC	92735	PD4-M-TRIO-DALI/DSI-FC	92755			PD4-S-FC	92142
High-bay warehouse		Surface mounting	PD4-M-1C-GH-SM	92245			PD4-M-DALI/DSI-GH-SM	93015	PD4-KNX-GH-DX-SM	93399	PD4-S-GH	92265
Staircase		Renovation Wall switch / Stair light timer switch	Indoor 180-TR / SCT1	92650 92655								
		Flush mounting	Indoor 180-R	92623					Indoor 180-KNX-DX	93364		
		Wall mount	LC-plus 280	91008								
Toilets, Anterooms, Technical rooms		False ceiling	PD3N-1C-FC	92196								
		Surface mounting	PD3N-1C-SM	92190								
		False ceiling	PD9-1C-FC	92902					PD9-KNX-DX-FC	93390		
2-wire with relay		Flush mounting	Indoor 180-R/2W-UK	92615								
2 house side, House entrance, Range max. 20 m		Detection area 130° + 360°	RC-plus next N 130	93321								
		Detection area 230° + 360°	RC-plus next N 230	93331				RC-plus next N 230 KNX-DX	93394 93395			
		Detection area 280° + 360°	RC-plus next N 280	93341								
House entrance, Range max. 16 m		Detection area 280° + 360°	LC-plus 280	91008								
House entrance, Range max. 12 m		Detection area 140° + 180°	LC-Click-N 140	91001								
		Detection area 200° + 180°	LC-Click-N 200	91002								



# Ceiling motion detector

## Overview of range in relation to mounting height

### PD3N- and PD9 motion detector

Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	Ø=3.20 m	Ø=8.00 m	Ø=5.00 m
2.50 m	Ø=4.00 m	Ø=10.00 m	Ø=6.00 m
3.00 m	Ø=4.80 m	Ø=12.00 m	Ø=7.40 m
3.50 m	–	Ø=14.00 m	Ø=8.60 m
4.00 m	–	Ø=16.00 m	Ø=9.60 m
4.50 m	–	Ø=18.00 m	Ø=10.80 m
5.00 m	–	Ø=20.00 m	Ø=12.00 m

### PD9-GH motion detector

Range (circular detection) T=18°C	
Mounting height	Walking across
5.00 m	Ø=3.00 m
6.00 m	Ø=3.50 m
7.00 m	Ø=4.20 m
8.00 m	Ø=4.80 m
9.00 m	Ø=6.00 m
10.00 m	Ø=6.00 m

Ø = diameter

### PD4N motion detector

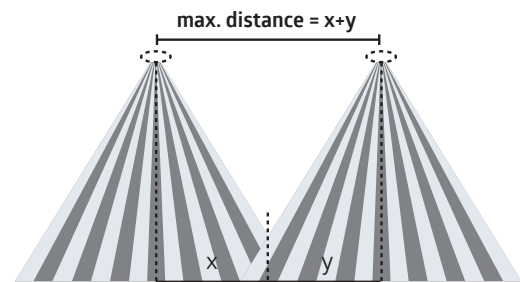
Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	Ø=5.20 m	Ø=17.00 m	Ø=6.40 m
2.50 m	Ø=6.40 m	Ø=24.00 m	Ø=8.00 m
3.00 m	Ø=7.60 m	Ø=29.00 m	Ø=9.60 m
3.50 m	Ø=9.00 m	Ø=34.00 m	Ø=11.00 m
4.00 m	–	Ø=39.00 m	Ø=13.60 m
4.50 m	–	Ø=44.00 m	Ø=14.40 m
5.00 m	–	Ø=48.00 m	Ø=16.00 m

## Detector positioning



Maximum motion detection is achieved by walking across the detection area, not by walking towards it. This should be borne in mind when it comes to corridors.

## Detector distance



In order to eliminate potential "dead zones", detection areas may overlap.



# Occupancy detector

## Overview of range in relation to mounting height

### PD4 occupancy detector

Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	Ø=5.20 m	Ø=17.00 m	Ø=6.40 m
2.50 m	Ø=6.40 m	Ø=24.00 m	Ø=8.00 m
3.00 m	Ø=7.60 m	Ø=29.00 m	Ø=9.60 m
3.50 m	Ø=9.00 m	Ø=34.00 m	Ø=11.00 m
4.00 m	–	Ø=39.00 m	Ø=13.60 m
4.50 m	–	Ø=44.00 m	Ø=14.40 m
5.00 m	–	Ø=48.00 m	Ø=16.00 m
10.00 m	–	Ø=48.00 m	Ø=16.00 m

### PD11 occupancy detector

Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	Ø=2.40 m	Ø=7.20 m	Ø=4.80 m
2.50 m	Ø=3.00 m	Ø=9.00 m	Ø=6.00 m
3.00 m	Ø=3.60 m	Ø=10.80 m	Ø=7.20 m
3.50 m	Ø=4.20 m	Ø=12.60 m	Ø=8.40 m
4.00 m	Ø=4.80 m	Ø=14.40 m	Ø=9.60 m
4.50 m	Ø=5.40 m	Ø=16.20 m	Ø=10.80 m
5.00 m	Ø=6.00 m	Ø=18.00 m	Ø=12.00 m

### PD2- and PD9 occupancy detector

Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	Ø=3.20 m	Ø=8.00 m	Ø=5.00 m
2.50 m	Ø=4.00 m	Ø=10.00 m	Ø=6.00 m
3.00 m	Ø=4.80 m	Ø=12.00 m	Ø=7.40 m
3.50 m	–	Ø=14.00 m	Ø=8.60 m
4.00 m	–	Ø=16.00 m	Ø=9.60 m
4.50 m	–	Ø=18.00 m	Ø=10.80 m
5.00 m	–	Ø=20.00 m	Ø=12.00 m

## Detector positioning



Maximum motion detection is achieved by walking across the detection area, not by walking towards it. This should be borne in mind when it comes to corridors.

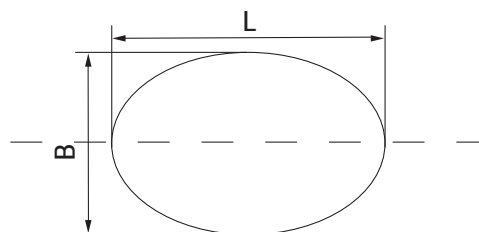
### PD9-GH occupancy detector

Range (circular detection) T=18°C	
Mounting height	Walking across
5.00 m	Ø=3.00 m
6.00 m	Ø=3.50 m
7.00 m	Ø=4.20 m
8.00 m	Ø=4.80 m
9.00 m	Ø=6.00 m
10.00 m	Ø=6.00 m

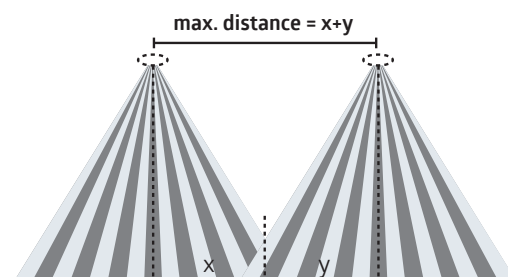
Ø = diameter

### PD4-M-1C-GH occupancy detector

Range (oval detection) T=17°C		
Mounting height	in longitudinal axis (L)	90° to longitudinal axis (B)
5.00 m	Ø=26.00 m	Ø=18.00 m
6.00 m	Ø=26.00 m	Ø=18.00 m
7.00 m	Ø=28.00 m	Ø=19.00 m
8.00 m	Ø=28.00 m	Ø=19.00 m
9.00 - 16.00 m	Ø=30.00 m	Ø=19.00 m



## Detector distance

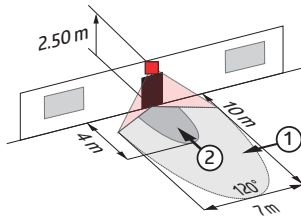


In order to eliminate potential "dead zones", detection areas may overlap.

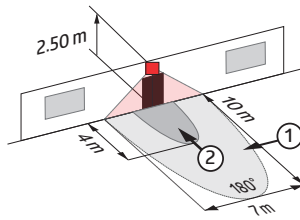
## Detection areas for B.E.G. motion- and occupancy detectors

- ① Walking across
- ② Walking towards
- ③ Anti-creep / Seated activity

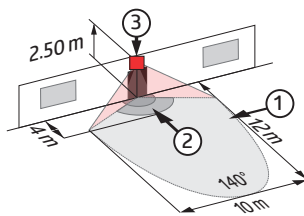
LC-Mini 120



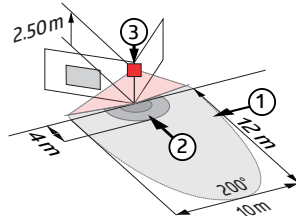
LC-Mini 180



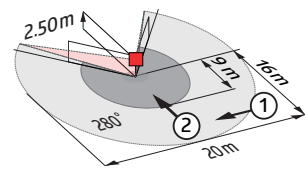
LC-Click-N 140



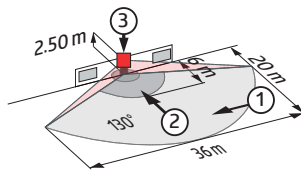
LC-Click-N 200



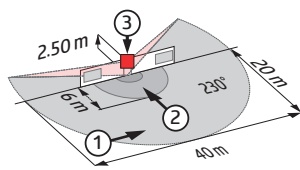
LC-plus 280



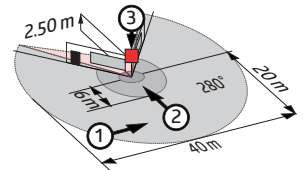
RC-plus next N 130



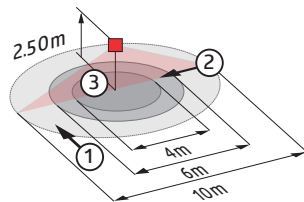
RC-plus next N 230



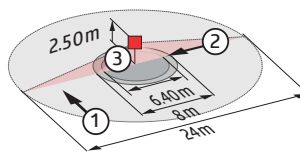
RC-plus next N 280



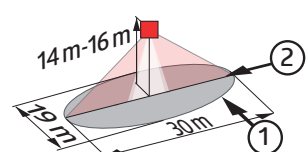
PD2/PD3N/PD9/PICO



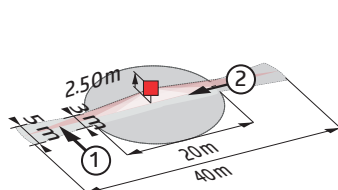
PD4/PD4-DUO/PD4-TRIO



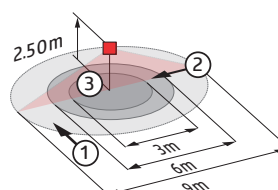
PD4-GH



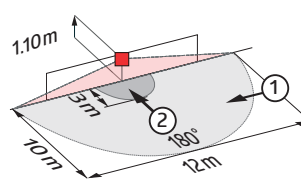
PD4-C



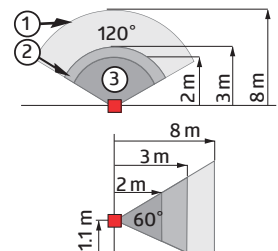
PD11



Indoor 180



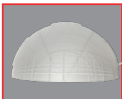
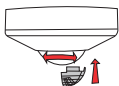


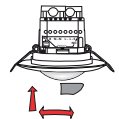

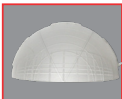
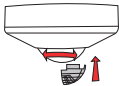




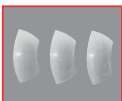
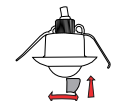
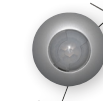

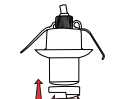






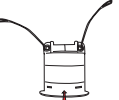
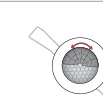
Indoor 140-L





## Overview blinds

- Blinds allow the detection area of the sensor to be adapted to local conditions. Sources of interference or areas where monitoring is not required can thus be excluded from motion detection. Blinds are supplied in the packaging, and can also be ordered separately if more are needed.


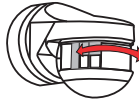


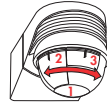


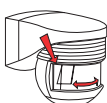


### Blinds for B.E.G. ceiling occupancy and motion detector

<ul style="list-style-type: none"> <li>for LUXOMAT® PD2-SM+FM Part no. 92260</li> </ul>				PD2-SM with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® PD2-FC Part no. 36635</li> </ul>				PD2-FC with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® PD3N + PD2N Part no. 37367</li> </ul>				PD3N-SM with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® PD4 + PD4N Part no. 92313</li> </ul>				PD4-FM with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® Mini-occupancy detector PD9 Part no. 32702</li> </ul>				PD9-FC with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® PD9-GH for great large Part no. 33207</li> </ul>				PD9-GH-FC with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® PD9-GH, half Part no. 92952</li> </ul>		<ul style="list-style-type: none"> <li>Blind for preventing lateral incidence of light and 180° restriction of movement detection</li> </ul>		PD9-GH-FC with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® PD9-GH, continuous Part no. 92953</li> </ul>		<ul style="list-style-type: none"> <li>Blind for preventing lateral incidence of light</li> </ul>		PD9-GH-FC with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® PD11-FC Part no. 38522</li> </ul>				PD11-FC with blinds

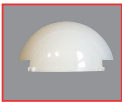
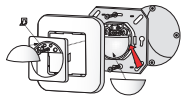


### Wire basket B.E.G.

<ul style="list-style-type: none"> <li>LUXOMAT® Wire basket BSK Part no. 92199 Ø 200 x 90 mm For indoor use motion and occupancy detectors</li> </ul>		<ul style="list-style-type: none"> <li>LUXOMAT® Wire basket BSK Part no. 92467 Ø 164 x 143 mm For outdoor use motion detectors and for PD4-TRIO-SM</li> </ul>	
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## Blinds for B.E.G. ceiling occupancy and motion detector

<ul style="list-style-type: none"><li>■ for LUXOMAT® RC-plus next N Part no. 32697</li></ul>				RC-plus next with blinds		
<ul style="list-style-type: none"><li>■ for LUXOMAT® LC-plus 280 Part no. 32698</li></ul>				LC-plus 280 with blinds		
<ul style="list-style-type: none"><li>■ for LUXOMAT® LC-Click-N Part no. 32699 and LC-Mini Part no. 33232</li></ul>				LC-Click-N with blinds		LC-Mini with blinds



## Blinds for B.E.G. ceiling occupancy and motion detector

<ul style="list-style-type: none"> <li>for LUXOMAT® Indoor 180 Part no. 33233</li> </ul>				PD2-SM with blinds
<ul style="list-style-type: none"> <li>for LUXOMAT® Indoor 180 Part no. 92294</li> </ul>		<ul style="list-style-type: none"> <li>for blanking out the detection area for adapting the detection range of the detectors to the local conditions according to requirements</li> </ul>		

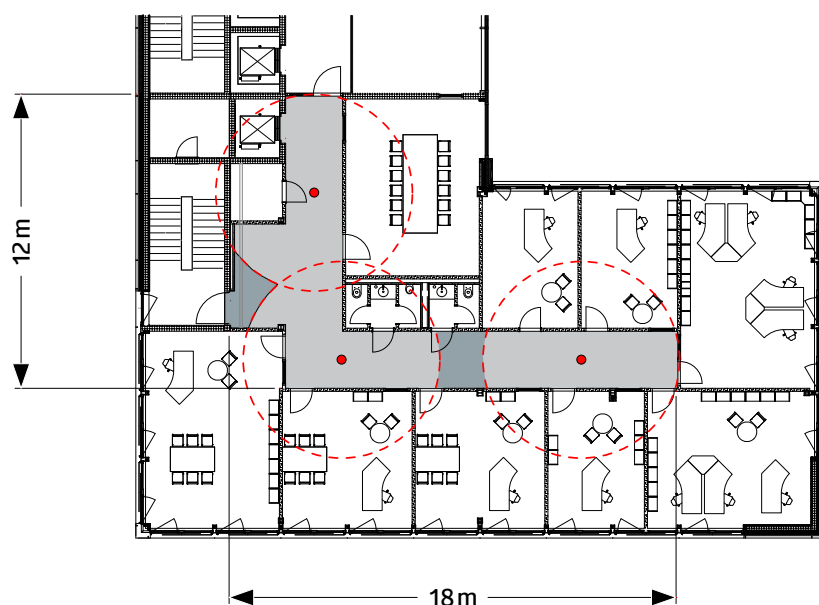
## Protection against vandalism for Indoor 180

<ul style="list-style-type: none"> <li>for LUXOMAT® Protection against vandalism, Part no. 92018</li> </ul>		<ul style="list-style-type: none"> <li>Protection of the potentiometer cap against unwanted removing</li> </ul>
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## Arc-extinction kit for B.E.G. motion and occupancy detectors

<ul style="list-style-type: none"> <li>LUXOMAT® Arc-extinction kit Part no. 10880 L 38 x B 12 x H 26 mm</li> </ul>		<ul style="list-style-type: none"> <li>LUXOMAT® Mini-RC-Arc extinction kit Part no. 10882 L 50 x B 22 x H 10 mm</li> </ul>	
<p>Installation instructions - RC suppressor:</p> <ul style="list-style-type: none"> <li>The RC suppressors supplied by B.E.G. provide any necessary suppression of interferences for your lighting installation. For technical reasons, voltage peaks when switching inductive loads (e.g. electronic ballasts), especially in combination with long cables, can lead to unexpected operation of ceiling or occupancy detectors.</li> <li>For large installations where many electronic ballasts are controlled in parallel, the use of RC suppressors is recommended. An efficient suppression of interferences is achieved when the RC suppressor is installed near the source of interference.</li> </ul>			

## Planning example corridor with PD4-M



Detector for  
● Lighting group 1

Mounting height = 2.50 m

### Application description:

Automatic lighting control with occupancy detectors is to be implemented in a corridor on an office floor.

### Note:

The detectors should be positioned in such a way that all access zones are safely covered with frontally detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of movement of the persons to be detected (frontally to the detector or transverse to the detector).

### Object data:

Type: Corridor without daylight  
Corridor dimensions:  
L 18.00 x W 12.00 m  
Ceiling height: 2.50 m (clear height)

### Lighting:

1 luminaire group with electronic ballasts

### Product listing:

1 pc. LUXOMAT® PD4 master device  
2 pcs. LUXOMAT® PD4 master device

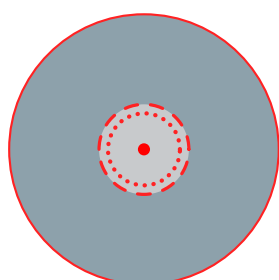
### Master device setting:

Follow-up time R1: > 5 min  
Switch-on threshold R1: 50 - 150 Lux  
Follow-up time R2: optional  
If required: Orientation light

### Operation mode:

Master/slave operation in the corridor area (see wiring diagram PD4-M-1C)  
The master device must always be mounted in the darkest area of the corridor.

### Detection range Type "PD4"

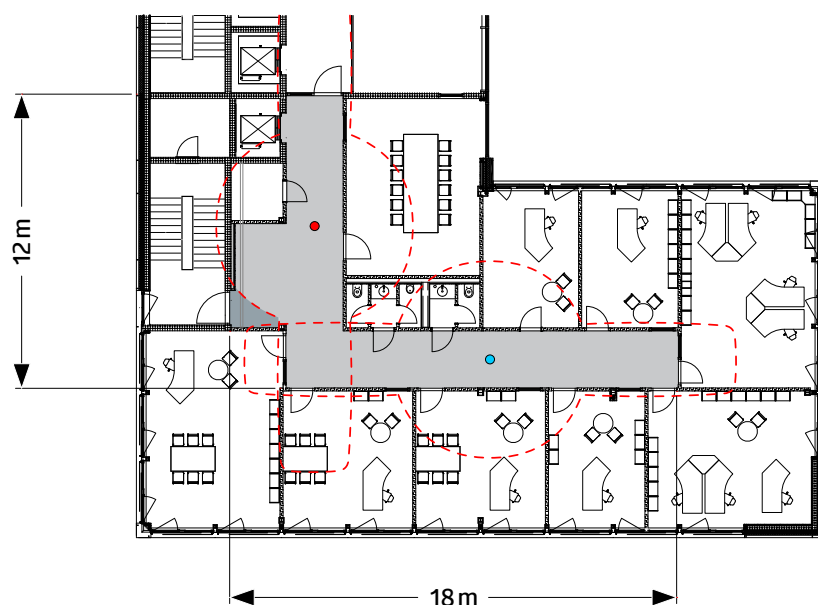


—	across	Ø 24 m
- - -	frontally	Ø 8 m
.....	seated activity	Ø 6.4 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example corridor with PD4-M-C



Detector for  
 ● Lighting group 1  
 ● Lighting group 2

Mounting height = 2.50 m

### Application description:

In a corridor on an office floor, an optically inconspicuous, automatic lighting control system should be implemented.

### Note:

The detectors should be positioned in such a way that all access zones are safely covered with frontally detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of movement of the persons to be detected (frontally to the detector or transverse to the detector).

### Object data:

Type: Corridor without daylight

Corridor dimensions:

L 18.00 x W 12.00 m

Ceiling height: 2.50 m (clear height)

### Lighting:

2 luminaire groups with electronic ballasts

### Product listing:

2 pcs. LUXOMAT® PD4 master -C device

### Master device setting:

Follow-up time R1: > 5 min

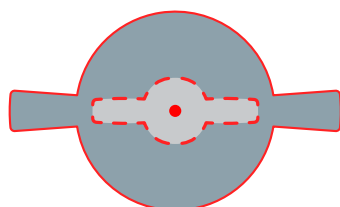
Switch-on threshold R1: 50 - 150 Lux

Follow-up time R2: optional

### Operation mode:

Both detectors in master mode (see wiring diagram PD4-M-2C-C)

### Detection range Type "PD4-C"



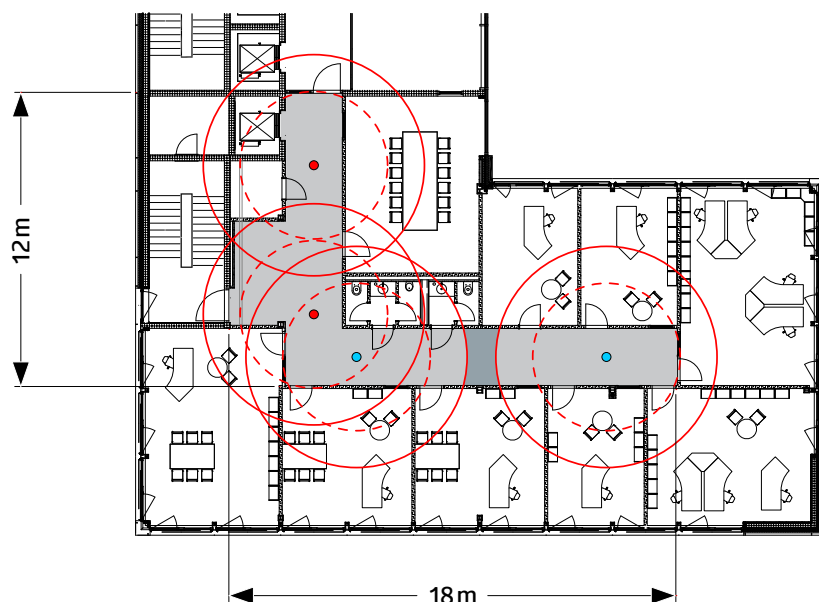
— across Ø 40 m

- - - frontally Ø 20 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example corridor with PD11



Detector for  
● Lighting group 1  
● Lighting group 2

Mounting height = 2.50 m

### Application description:

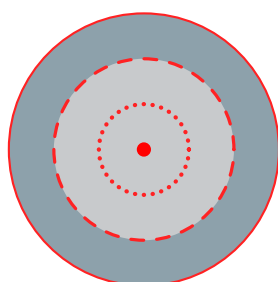
Automatic lighting control with design occupancy detectors is to be implemented in a corridor on an office floor.

### Note:

The PD11 design occupancy detector blends almost invisibly into the ceiling with only 0.85mm visible height. The detectors should be positioned in such a way that all access zones are safely covered with frontal detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of movement of the persons to be detected (frontally to the detector or transverse to the detector).

### Detection range Type "PD11"



### Object data:

Type: Corridor without daylight  
Corridor dimensions:  
L 18.00 x W 12.00 m  
Ceiling height: 2.50 m (clear height)

### Lighting:

2 luminaire groups with electronic ballasts

### Product listing:

2 pcs. LUXOMAT® PD11 master device  
2 pcs. LUXOMAT® PD11 slave device

### Master device setting:

Follow-up time R1: > 5 min  
Switch-on threshold R1: 300 Lux or  
individually with remote control

### Operation mode:

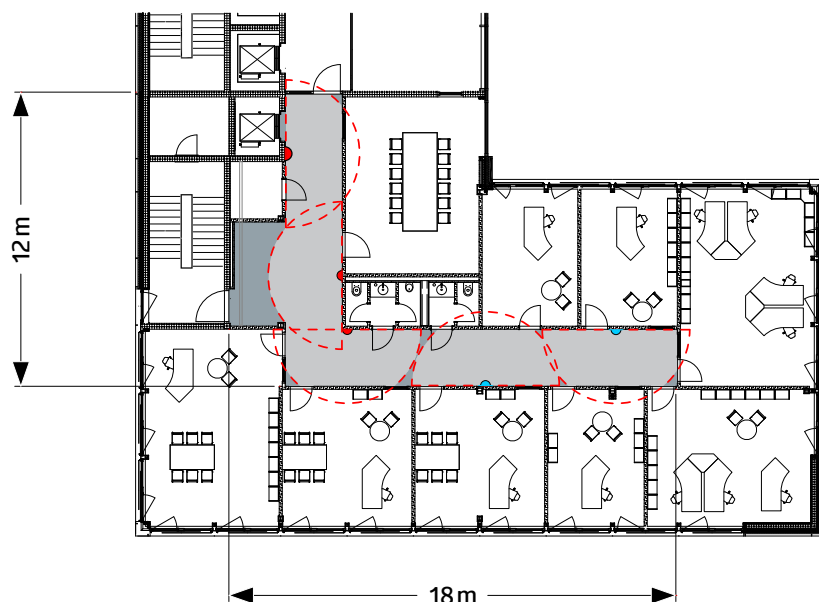
Master/slave operation in the corridor area  
(see wiring diagram PD11-M-1C-FLAT)  
The master device must always be mounted  
in the darkest area of the corridor.

— across Ø 9 m  
- - - frontally Ø 6 m  
..... seated activity Ø 3 m  
for a mounting height of 2.50 m

Please note that the detection range  
changes depending on the mounting  
height (p. 189-190)!



## Planning example corridor with Indoor 180



Detector for  
● Lighting group 1  
● Lighting group 2

Mounting height = 1.10 m

### Application description:

Automatic lighting control is to be implemented in a corridor on an office floor. As this is an old building, wall occupancy detectors are desired.

### Note:

The Indoor 180 wall occupancy detectors in combination with intermediate frames are suitable for all common flush-mounted switch brands.

The detectors should be positioned in such a way that all access zones are safely covered with frontally detection zones. "Dead zones" should be avoided in corridor sections. If it is not possible to avoid gaps in the detection range, the follow-up time should be increased.

Please note that the detection ranges of the detectors depend on the direction of movement of the persons to be detected (frontally to the detector or transverse to the detector).

### Object data:

Type: Corridor without daylight

Corridor dimensions:

L 18.00 x W 12.00 m

Ceiling height: 2.50 m (clear height)

### Lighting:

2 luminaire groups with electronic ballasts

### Product listing:

2 pcs. LUXOMAT® Indoor 180 master device

3 pcs. LUXOMAT® Indoor 180 slave device

### Master device setting:

Follow-up time R1: > 5 min

Switch-on threshold R1: 300 Lux or

individually with remote control

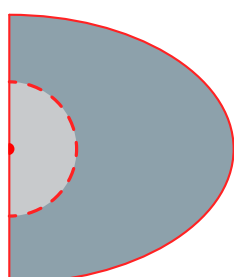
Follow-up time R2: optional

### Operation mode:

Master/slave operation in the corridor area (see wiring diagram Indoor 180-M-2C)

The master device must always be mounted in the darkest area of the corridor.

### Detection range Type "Indoor 180"



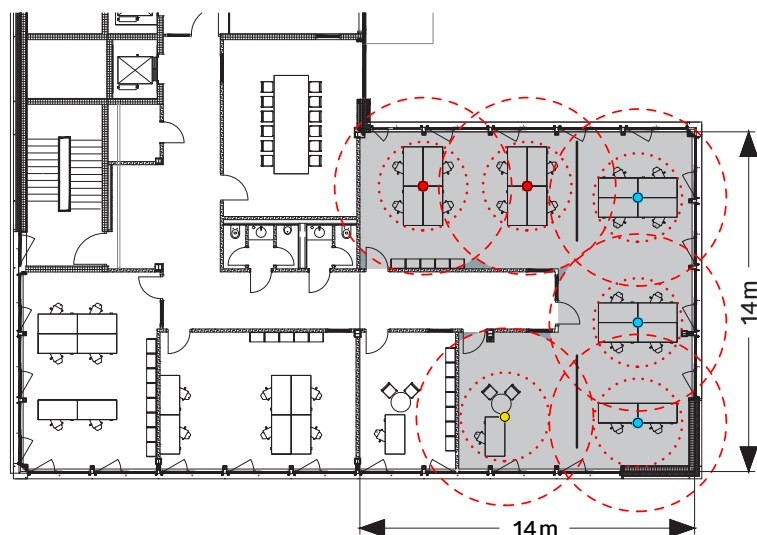
— across Ø 10 m

- - - frontally Ø 3 m

for a mounting height of 1.10 m – 2.20 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example open-plan office with PD11



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3

Mounting height = 3.00 m

### Application description:

In an open-plan office with areas separated by partition walls, an optically inconspicuous, automatic lighting control system with occupancy detectors is to be implemented.

### Note:

The PD11 design occupancy detector blends almost invisibly into the ceiling with only 0.85 mm visible height. The detectors should be positioned so that the "seated activity" detection zone covers the desk workstations.

### Object data:

Type: Open plan office with daylight

Room dimensions:

L 14.00 x B 14.00 m

Ceiling height: 3.00 m (clear height)

### Lighting:

3 luminaire groups with electronic ballasts

### Product listing:

3 pcs. LUXOMAT® PD11 master device

3 pcs. LUXOMAT® PD11 slave device

### Master device setting:

Follow-up time R1: > 5 min

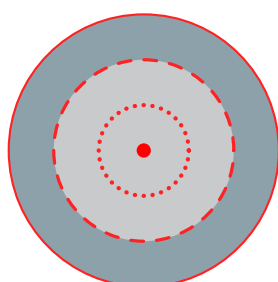
Switch-on threshold R1: 500 Lux or individually with remote control

### Operation mode:

Master/slave operation at workstations (see wiring diagram PD11-M-1C-FLAT)

The master device must always be mounted at the darkest spot of the area illuminated by the group.

### Detection range Type "PD11"

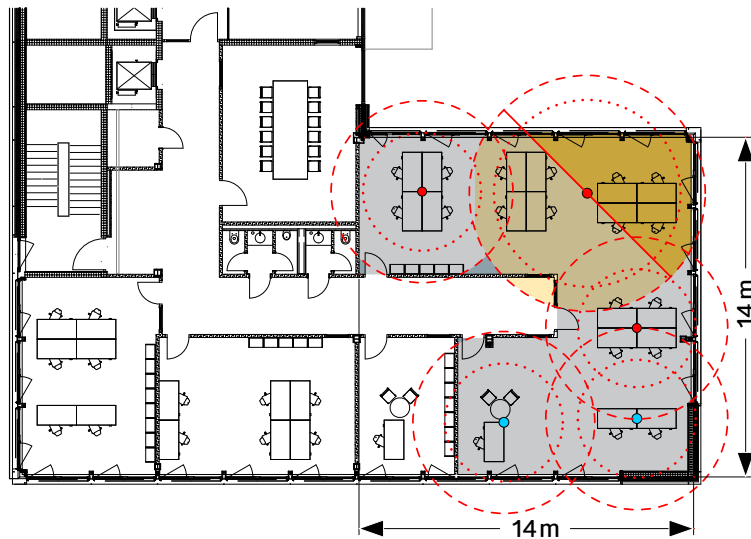


—	across	Ø 9 m
- - -	frontally	Ø 6 m
.....	seated activity	Ø 3 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example open-plan office with PD2/PD4-DUO



■ Light sensor 1

■ Light sensor 2

Detector for

● Lighting group 1

● Lighting group 2

Mounting height = 3.00 m

### ■ Application description:

In an open-plan office with two lighting groups, automatic daylight-dependent lighting control with occupancy detectors is to be implemented.

The sunny side of the office with windows facing south/west and the shaded side with windows facing north should be controlled independently.

### ■ Note:

The workstations at the south and west windows are combined in a luminaire group, as are the workstations at the north windows.

### ■ Object data:

Type: Open plan office with daylight

Room dimensions:

L 14.00 x B 14.00 m

Ceiling height: 3.00 m (clear height)

### ■ Lighting:

2 luminaire groups with electronic ballasts

### ■ Product listing:

1 pc. LUXOMAT® PD4 master DUO Device

1 pc. LUXOMAT® PD2 master device

3 pcs. LUXOMAT® PD2 slave device

### ■ Master device setting:

Follow-up time R1: > 5 min

Switch-on threshold R1: 500 Lux or individually with remote control

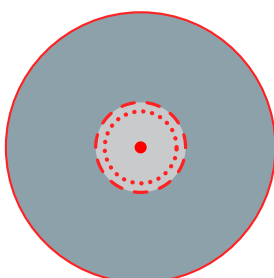
Follow-up time R2: optional

### ■ Operation mode:

Master/slave operation at workstations (see wiring diagrams PD2-M-1C and PD4-M-2C-DUO)

The master device must always be mounted at the darkest spot.

### ■ Detection range Type "PD4"



— across Ø 24 m

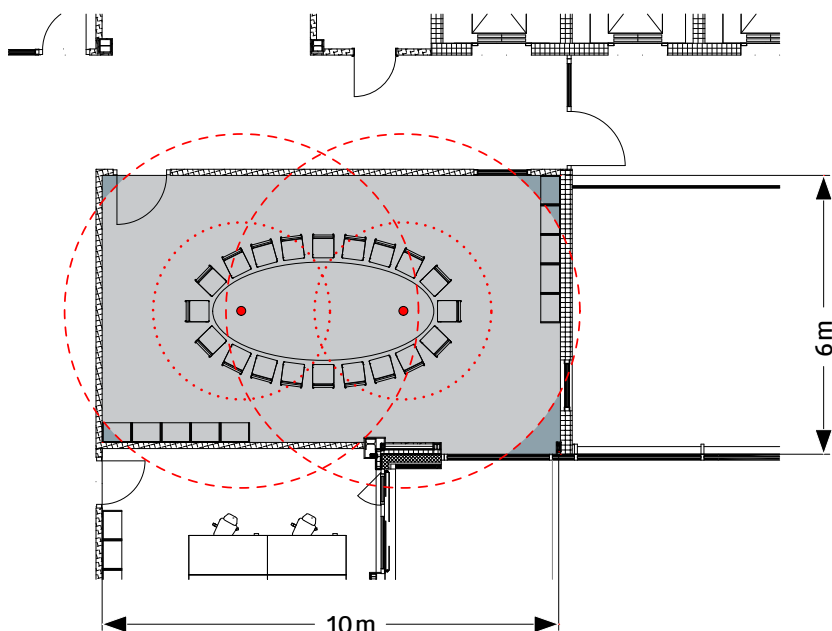
- - - frontally Ø 8 m

..... seated activity Ø 6.4 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example conference room with PD11



Detector for  
● Lighting group 1

Mounting height = 3.00 m

### ■ Application description:

In a conference room, the lighting should be controlled visually inconspicuously depending on presence and daylight. Despite the automatic control, it should be possible to influence the current switching status manually via a button or a remote control. The occupancy detectors are to be mounted on the ceiling.

### ■ Note:

The PD11 design occupancy detector blends almost invisibly into the ceiling with only 0.85mm visible height. By installing two occupancy detectors, the entire conference table can be covered with the "seated activity" detection areas. Even small movements are reliably detected.

### ■ Object data:

Type: Meeting room with daylight

Room dimensions:

L 10.00 x B 6.00 m

Ceiling height: 3.00 m (clear height)

### ■ Lighting:

1 luminaire group with electronic ballasts

### ■ Product listing:

1 pc. LUXOMAT® PD11 master device

1 pc. LUXOMAT® PD11 slave device

### ■ Master device setting:

Follow-up time R1: mind. 5 min

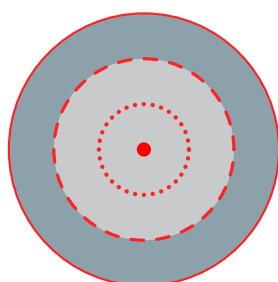
Switch-on threshold R1: 500 Lux

### ■ Operation mode:

Master/slave circuit with optional push-button control (see wiring diagram PD11-M-1C-FLAT)

The master device must always be mounted at the darkest spot.

### ■ Detection range Type "PD11"

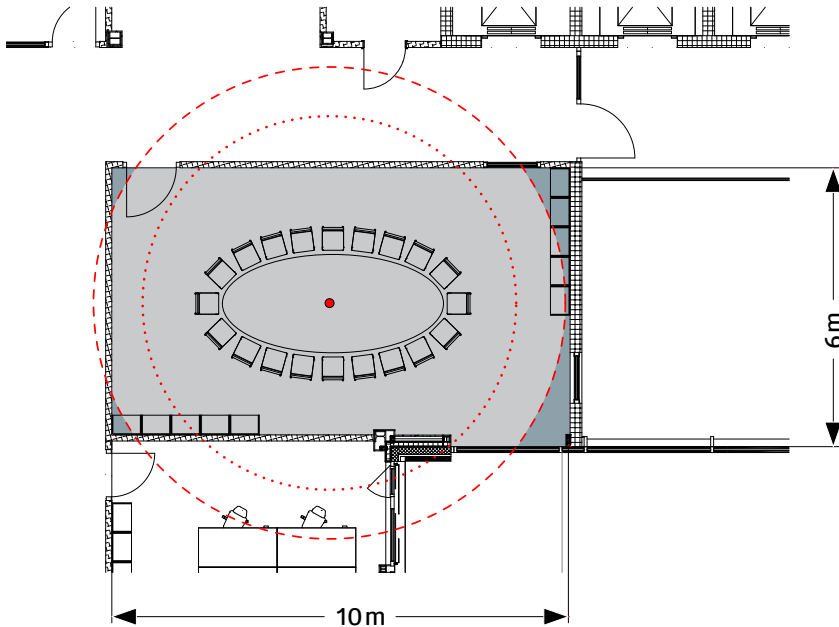


—	across	Ø 9 m
- - -	frontally	Ø 6 m
.....	seated activity	Ø 3 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example conference room with PD4



Detector for  
● Lighting group 1

Mounting height = 3.00 m

### Application description:

In a conference room, the lighting is to be controlled according to presence and daylight. Despite the automatic control, it should be possible to influence the current switching status manually via a button or a remote control. The occupancy detectors are to be mounted on the ceiling.

### Note:

By mounting the PD4, the entire room can be covered with just one device.

### Object data:

Type: Meeting room with daylight

Room dimensions:

L 10.00 x B 6.00 m

Ceiling height: 3.00 m (clear height)

### Lighting:

1 luminaire group with electronic ballasts

### Product listing:

1 pcs. LUXOMAT® PD4 master device

### Master device setting:

Follow-up time R1: mind. 5 min

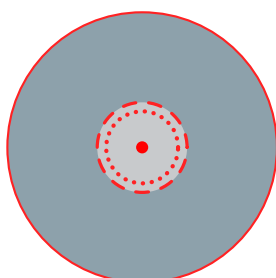
Switch-on threshold R1: 500 Lux

Follow-up time R2: optional

### Operation mode:

Master circuit with optional push-button control (see wiring diagram PD4-M-2C)

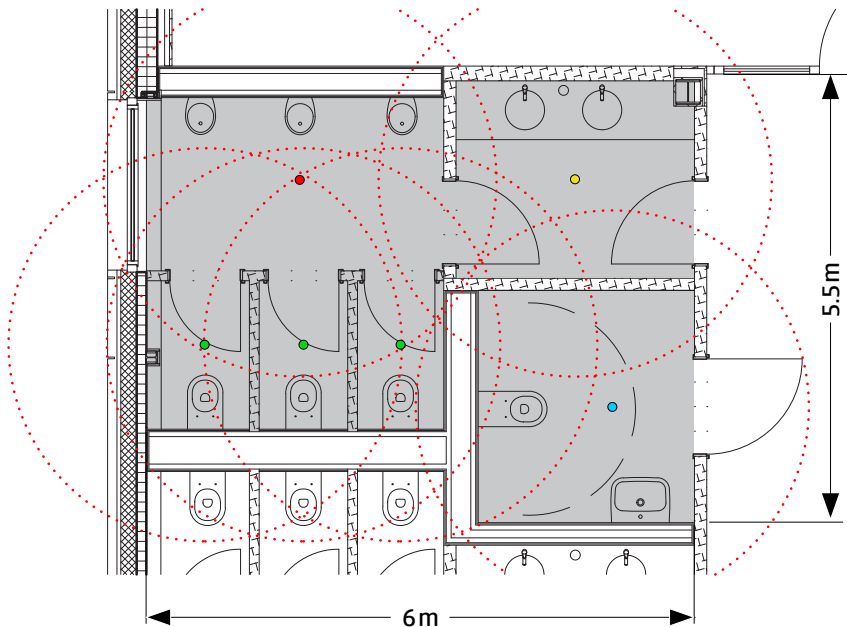
### Detection range Type "PD4"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6.4 m  
for a mounting height of 2.50 m

Please note that the detection range  
changes depending on the mounting  
height (p. 189-190)!

## Planning example lavatories with PD3N or PD9 (solid walls)



Detector for  
 ● Lighting group 1  
 ● Lighting group 2-4  
 ● Lighting group 5  
 ● Lighting group 6

Mounting height = 3.00 m

### ■ Application description:

In a lavatory with lockable WC cabins with solid walls, the light should be switched reliably and energy-efficiently.

### ■ Note:

To cover all areas, the cabins must each be equipped with an occupancy detector.

### ■ Object data:

Type: Lavatory

Room dimensions:

L 6.00 x B 5.50 m

Ceiling height: 3.00 m (clear height)

### ■ Lighting:

1 luminaire group with electronic ballasts per room/cabin

### ■ Product listing:

6 pcs. LUXOMAT® PD3N or PD9 device

### ■ Device setting:

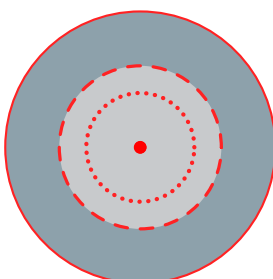
Follow-up time: 10 min

Switch-on threshold: Day (Symbol "Sun")

### ■ Operation mode:

Standard operation (see wiring diagrams PD3N-1C and PD9-1C)

### ■ Detection range Type "PD3N" or "PD9"

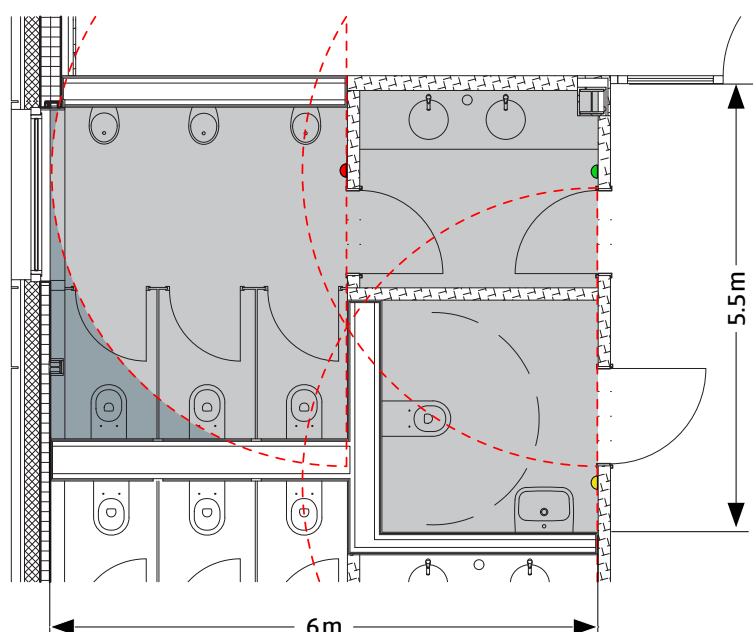


—	across	Ø 10 m
- - -	frontally	Ø 6 m
...	seated activity	Ø 4 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example lavatories with Indoor 180 Micro



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3

Mounting height = 1.10 m

### Application description:

In a lavatory with lockable cabins open to the top, the lighting is to be switched on and off efficiently.

### Note:

In addition to the motion sensor, the Indoor 180 Micro has a sound sensor so that the lighting remains switched on not only during movement, but also when there are noises.

### Object data:

Type: public lavatory without daylight

Room dimensions:

L 6.00 x B 5.50 m

Ceiling height: 3.00 m (clear height)

### Lighting:

1 luminaire group with electronic ballasts per room

### Product listing:

3 pcs. LUXOMAT® Indoor 180-R device

### Device setting:

Follow-up time: 10 min

Switch-on threshold: Day (Symbol "Sun")

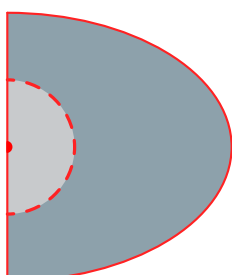
### Noise sensitivity:

The optimum sensitivity must be determined in a test.

### Operation mode:

Standard operation (with noise sensitivity); (see wiring diagram Indoor 180-R)

### Detection range Type "Indoor 180"



— across Ø 10 m

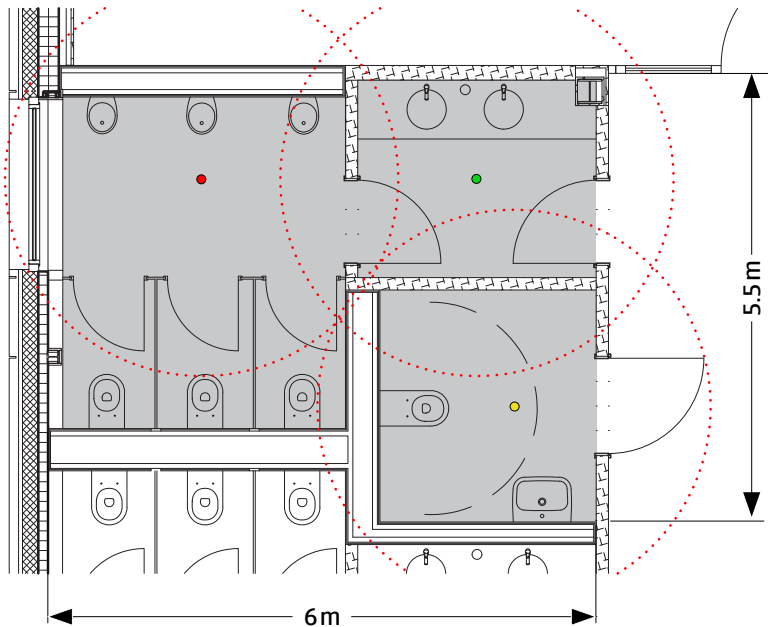
- - - frontally Ø 3 m

for a mounting height of 1.10 m – 2.20 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!



## Planning example lavatory with PD3N Micro (semi-high walls)



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3

Mounting height = 3.00 m

### ■ Application description:

In a lavatory with lockable cabins open to the top, the lighting is to be switched on and off efficiently. The motion detectors should be mounted on the ceiling.

### ■ Note:

The PD3N Micro has a sound sensor in addition to the motion sensor, so the lighting stays on not only when you move, but also when you make noise.

### ■ Object data:

Type: public lavatory without daylight  
 Room dimensions:  
 L 6.00 x B 5.50 m  
 Ceiling height: 3.00 m (clear height)

### ■ Lighting:

1 luminaire group with electronic ballasts per room

### ■ Product listing:

3 pcs. LUXOMAT® PD3N Micro devices

### ■ Device setting:

Follow-up time R1: > 5 min  
 Switch-on threshold R1: 300 Lux or individually with remote control

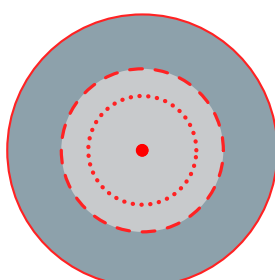
### ■ Noise sensitivity:

The optimum sensitivity must be determined in a test.

### ■ Operation mode:

Standard mode (with noise sensitivity)  
 (see wiring diagram PD3N-1C Micro)

### ■ Detection range Type "PD3N"

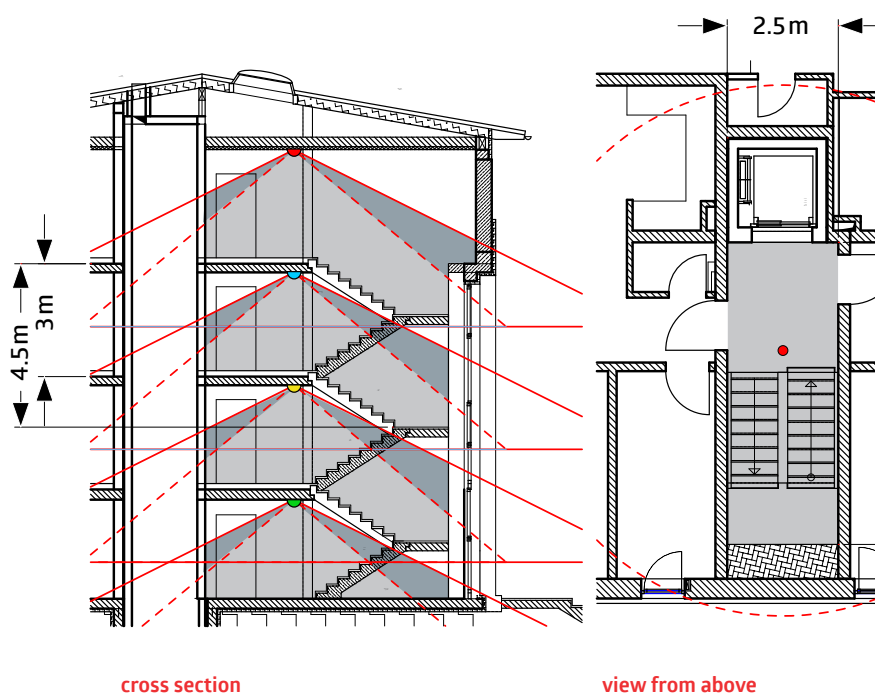


—	across	Ø 10 m
- - -	frontally	Ø 6 m
.....	seated activity	Ø 4 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example staircase with PD2



### Application description:

In the stairwell of a multi-family house, four lighting groups (3 floors/1 basement floor) are to be controlled automatically by occupancy detectors. The devices should be mounted on the ceiling.

### Object data:

Type: Staircase with 3 floors with daylight and one basement floor without daylight  
Staircase dimensions: L 6.50 x B 2.50 m  
Ceiling height: 3.00 m (clear height)

### Lighting:

1 luminaire group with electronic ballasts per floor

### Product listing:

4 pcs. LUXOMAT® PD2 master device

### Master device setting:

#### Group 1:

Follow-up time R1: 5 min

Switch-on threshold R1: Day (Symbol "Sun")

Follow-up time R2: optional

#### Group 2:

Follow-up time R1: 5 min

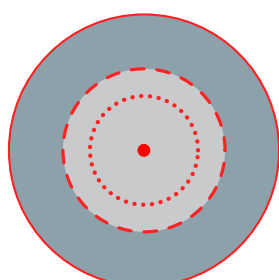
Switch-on threshold R1: 300 Lux

Follow-up time R2: optional

### Operation mode:

Master operation with optional push-button control on the basement floor (see wiring diagram PD2-M-2C)

### Detection range Type "PD2"

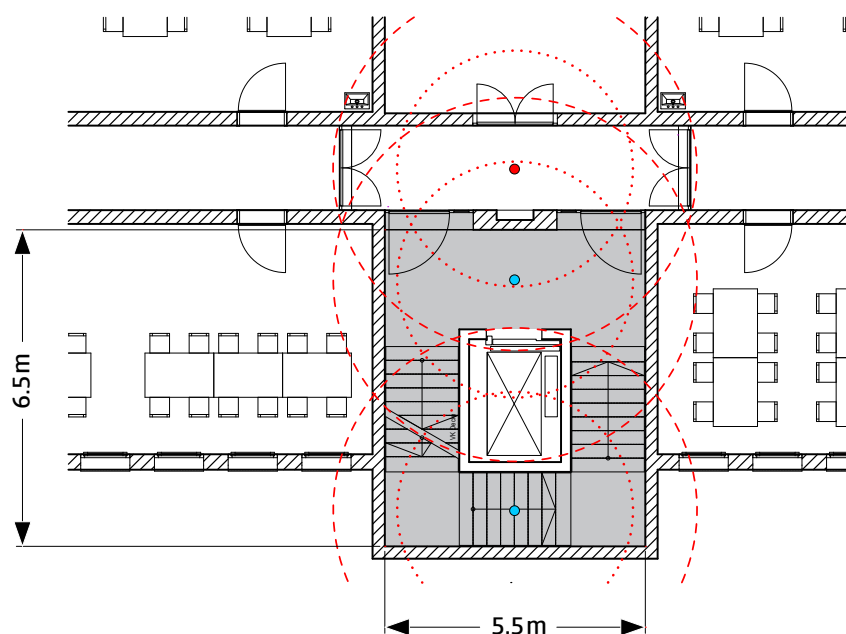


—	across	Ø 10 m
- - -	frontally	Ø 6 m
.....	seated activity	Ø 4 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example staircase with PD3N



Detector for  
 ● Lighting group 1  
 ● Lighting group 2

Mounting height = 3.00 m

### ■ Application description:

The lighting of an office building is to be controlled automatically by motion detectors in the stairwell with central elevator and in the corridor in front.

The devices should be mounted on the ceiling.

### ■ Note:

A second detector should be installed on the rear side of the elevator to avoid a dead zone. Two motion detectors control the lighting group (master/slave) on each floor in the stairwell.

### ■ Object data:

Type: Staircase with 3 floors without daylight

Staircase dimensions: L 6.50 x B 5.50 m

Ceiling height: 3.00 m (clear height)

### ■ Lighting:

2 luminaire groups with ECG per floor

### ■ Product listing:

3 pcs. LUXOMAT® PD3N devices per floor

### ■ Device setting:

Follow-up time: 5 min

Switch-on threshold:

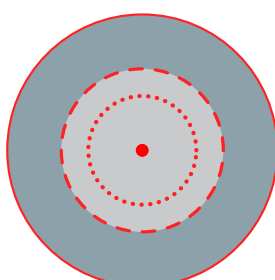
Group 1: Switch-on threshold 300 Lux  
(with L' monitoring)

Group 2: Switch-on threshold Day  
(Symbol "Sun")

### ■ Operation mode:

Parallel operation (see wiring diagram PD3N-1C)

### ■ Detection range Type "PD3N"

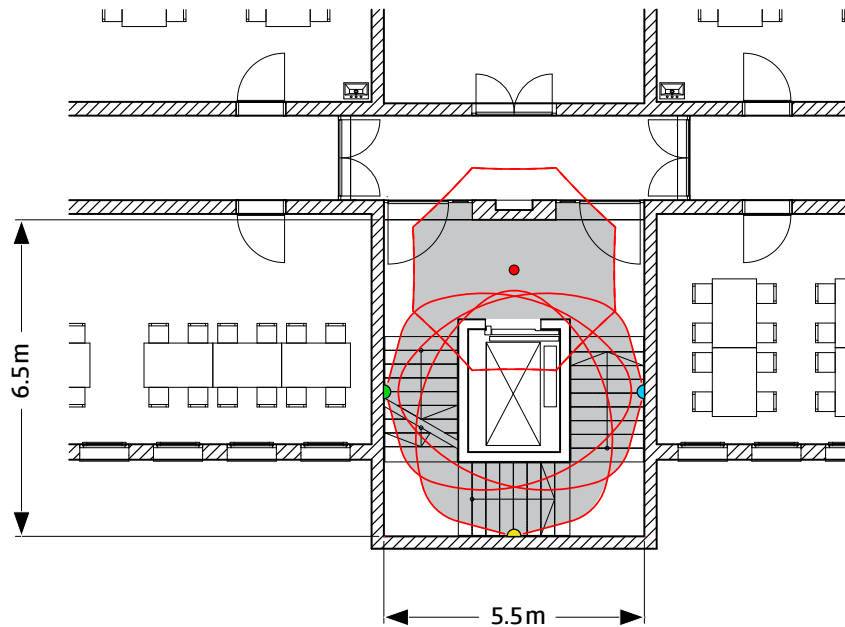


—	across	Ø 10 m
- - -	frontally	Ø 6 m
.....	seated activity	Ø 4 m

for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example staircase with HF-MD3



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3  
 ● Lighting group 4

Mounting height = 3.00 m

### Application description:

In the stairwell of an office building, the lighting on each floor is to be controlled visually inconspicuously.

### Note:

The HF-MD3 detects movement even through thin materials (glass, partition walls, etc.). It is therefore suitable for unobtrusive installation in luminaires.

### Object data:

Type: Staircase with 3 floors without daylight  
 Staircase dimensions: L 6.50 x B 5.50 m  
 Ceiling height: 3.00 m (clear height)

### Lighting:

1 Luminaire group per floor

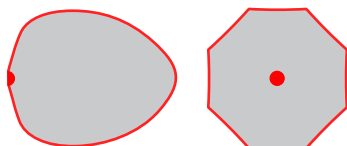
### Product listing:

4 pcs. LUXOMAT® HF-MD3 devices (for installation in luminaires)

### Device setting:

Follow-up time R1: 5 min  
 Switch-on threshold R1: 300 Lux

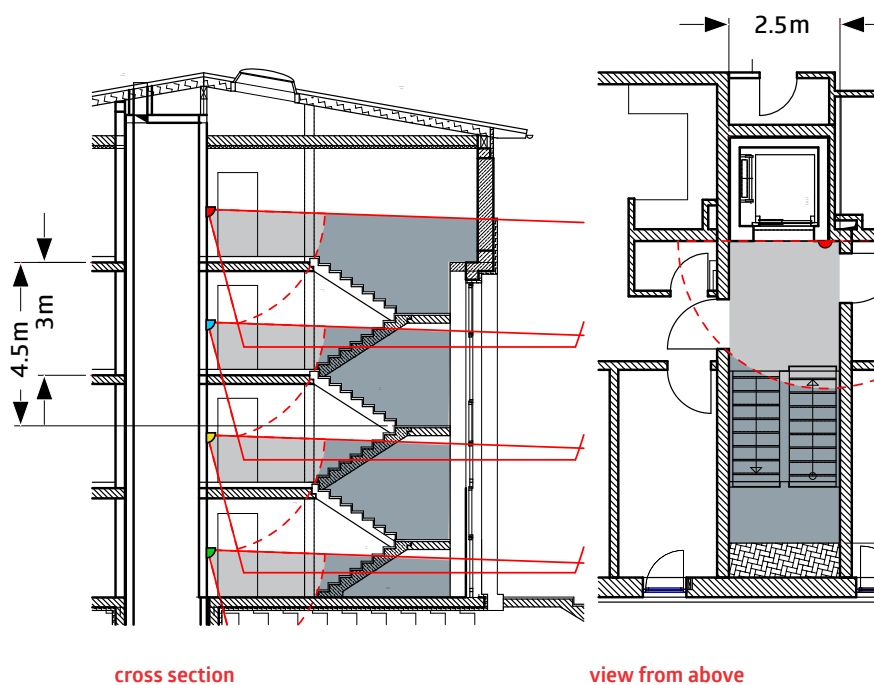
### Detection range Type "HF-MD3"



max. Ø 0.2 – 7 m  
 for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example staircase with Indoor 180



### Application description:

In the stairwell of an apartment building, the lighting is to be automatically controlled floor by floor with motion detectors. The motion detectors are to be mounted as wall switches.

### Object data:

Type: Staircase with four floors with daylight  
Staircase dimensions: L 6.50 x B 2.50 m  
Ceiling height: 3.00 m (clear height)

### Lighting:

1 luminaire group with electronic ballasts per floor

### Product listing:

4 pcs. LUXOMAT® Indoor 180-R devices

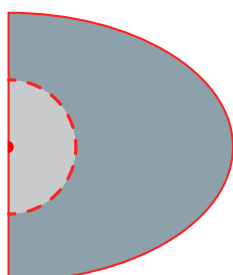
### Device setting:

Group 1:  
Follow-up time R1: 5 min  
Switch-on threshold R1: Day (Symbol "Sun")  
Group 2:  
Follow-up time R1: 5 min  
Switch-on threshold R1: 300 Lux

### Operation mode:

Standard operation (floor by floor, optional push-button control) (see wiring diagram Indoor 180-R)

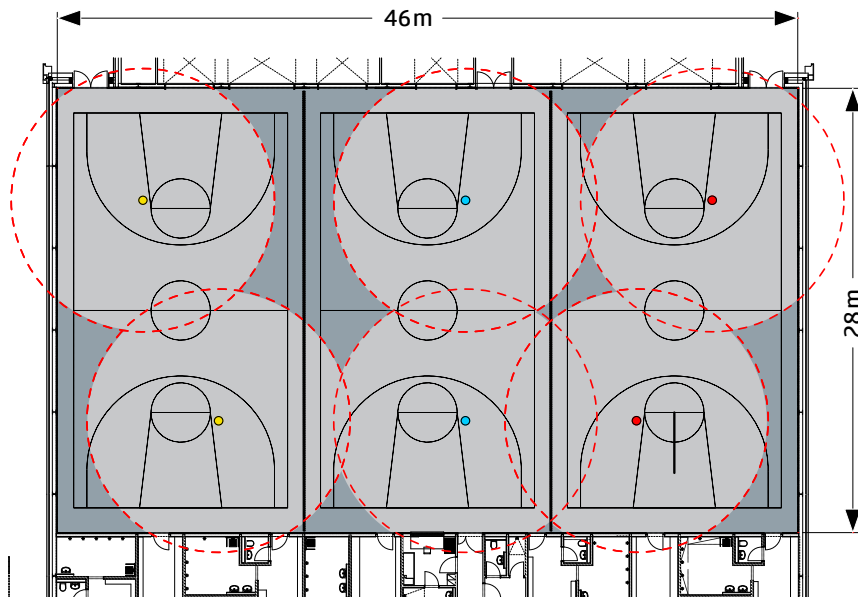
### Detection range Type "Indoor 180"



— across Ø 10 m  
- - - frontally Ø 3 m  
for a mounting height of 1.10 m – 2.20 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

# Planning example three-field gymnasium with PD4



Detector for  
 ● Lighting group 1  
 ● Lighting group 2  
 ● Lighting group 3

Mounting height = 6.00 m - 8.00 m

## Application description:

Automatic lighting control with occupancy detectors is to be implemented in a three-field gymnasium with variable partitions. In each of the three hall areas, a luminaire group is formed and individually switched.

Despite the automatic control, it should be possible to influence the current switching status manually using a push-button as well as a remote control.

## Note:

Scenarios can be stored in the lighting control system so that lighting is optimally controlled depending on use (with partitions in the small halls or without partitions in the large hall). Special circuits are available for use with partition walls and various lighting scenes.

## Object data:

Type: Three-field gymnasium

Hall dimensions:

L 46.00 x B 28.00 m

Ceiling height: 6.00 – 8.00 m,  
reflective floor

## Lighting:

1 luminaire group with ECG per hall area

## Product listing:

3 pcs. LUXOMAT® PD4 master device  
 3 pcs. LUXOMAT® PD4 slave device

## Master device setting:

Follow-up time R1: mind. 5 min

Switch-on threshold R1: 300 - 500 Lux

Follow-up time R2: optional

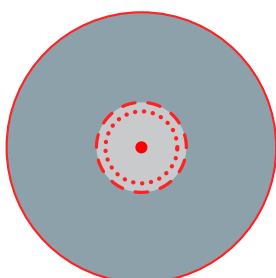
## Operation mode:

Master operation with all three luminaire groups (see wiring diagram PD4-M-2C);

Master/slave operation is also possible.

The master device must always be mounted at the darkest spot.

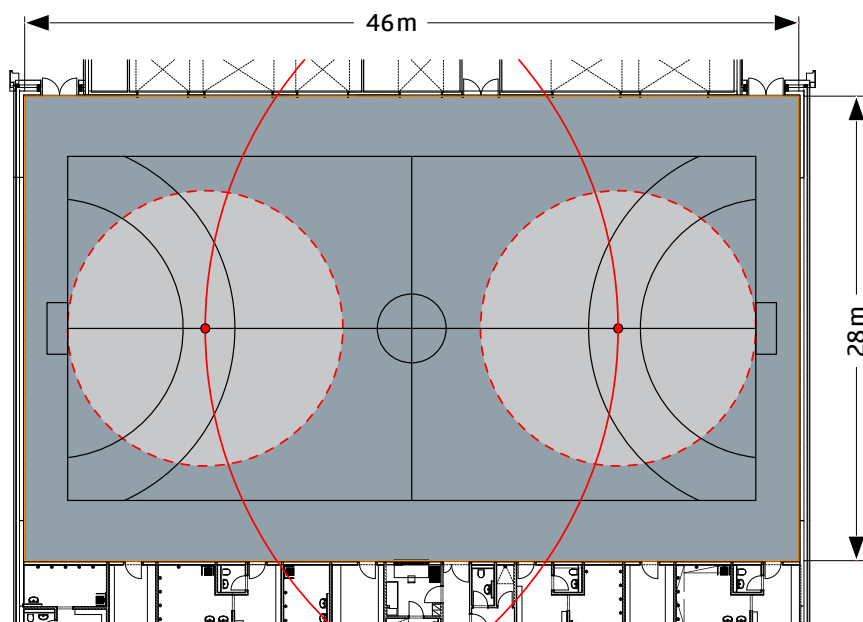
## Detection range Type "PD4"



— across Ø 24 m  
 - - - frontally Ø 8 m  
 . . . . . seated activity Ø 6.4 m  
 for a mounting height of 2.50 m

Please note that the detection range  
 changes depending on the mounting  
 height (p. 189-190)!

## Planning example small playing field handball/tennis with PD4



Detector for  
● Lighting group 1

Mounting height = 6.00 m - 8.00 m

### Application description:

A gymnasium is to be equipped with a presence-dependent lighting control system. The devices should be mounted on the ceiling.

### Object data:

Type: Gymnasium with small playing field

Hall dimensions:

L 46.00 x B 28.00 m

Ceiling height: 6.00 – 8.00 m,  
reflective floor

### Lighting:

1 luminaire group with electronic ballasts

### Product listing:

1 pc. LUXOMAT® PD4 master device

1 pc. LUXOMAT® PD4 slave device

### Master device setting:

Follow-up time R1: mind. 5 min

Switch-on threshold R1: 300 - 500 Lux

Follow-up time R2: optional

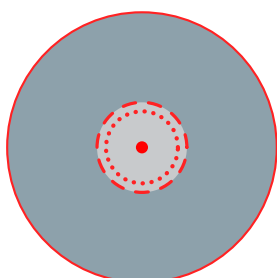
### Operation mode:

Master operation (see wiring diagram  
PD4-M-1C);

Master/slave operation is also possible.

The master device must always be mounted  
at the darkest spot.

### Detection range Type "PD4"



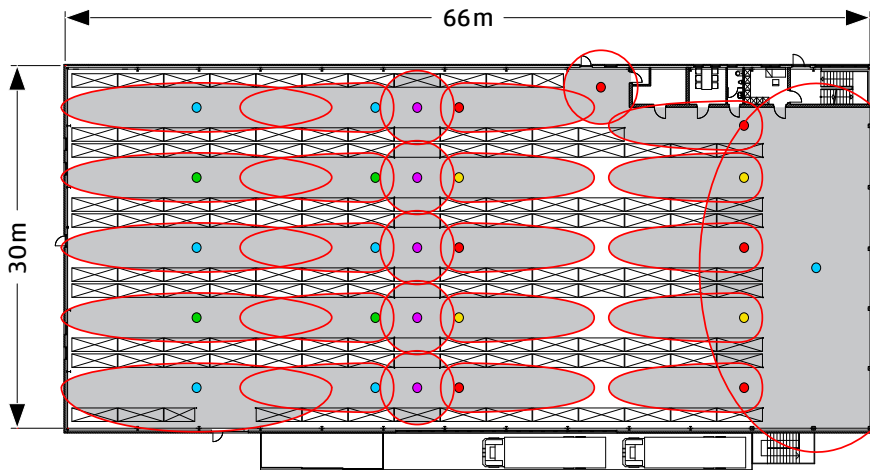
—	across	Ø 24 m
- - -	frontally	Ø 8 m
.....	seated activity	Ø 6.4 m

for a mounting height of 2.50 m

Please note that the detection range  
changes depending on the mounting  
height (p. 189-190)!



# Planning example high-bay warehouse with PD4-GH and PD9-GH



Detector for  
 ● Lighting group 1-3  
 ● Lighting group 4-7  
 ● Lighting group 8-9  
 ● Lighting group 10-11  
 ● Lighting group 12

Mounting height = 10.00 m

## Application description:

In a warehouse, the light is to be switched on automatically by occupancy detectors. Each aisle is to be monitored and switched individually so as not to waste energy unnecessarily.

## Note:

For optimum detection, a PD4-GH detector is mounted at each end of the aisle, when this is open on both sides. One PD4-GH detector is placed at the open end of the one-sided open aisles and a second one in the middle. The lenses at the head ends are covered with blinds towards the main aisle to prevent unwanted switching.

The luminaire group in the corridor is controlled by PD9 detectors.

## Object data:

Type: High bay warehouse with daylight  
 Warehouse dimensions:  
 L 66.00 x B 30.00 m  
 Ceiling height: 10.00 m

## Lighting:

12 luminaire groups with electronic ballasts

## Product listing:

11 pcs. LUXOMAT® PD4 master GH devices  
 10 pcs. LUXOMAT® PD4 slave GH devices  
 1 pc. LUXOMAT® PD9 slave GH device  
 5 pcs. LUXOMAT® PD9 slave GH devices

## Master device setting:

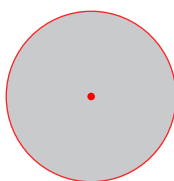
Follow-up time R1: > 5 min  
 Switch-on threshold R1: 500 Lux or  
 individually with remote control

## Operation mode:

Master/slave operation for luminaire groups in the individual aisles and passageways (see wiring diagrams PD4-M-1C-GH and PD9-M-1C-GH)

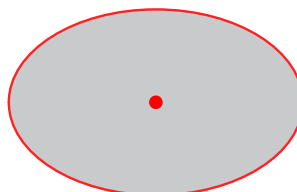
The master device must always be mounted at the darkest spot of the area of its luminaire group.

## Detection range Type "PD9-GH"

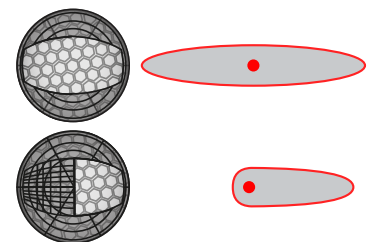


across Ø 6 m  
 for a mounting height of 2.50 m

## Detection range Type "PD4-GH"



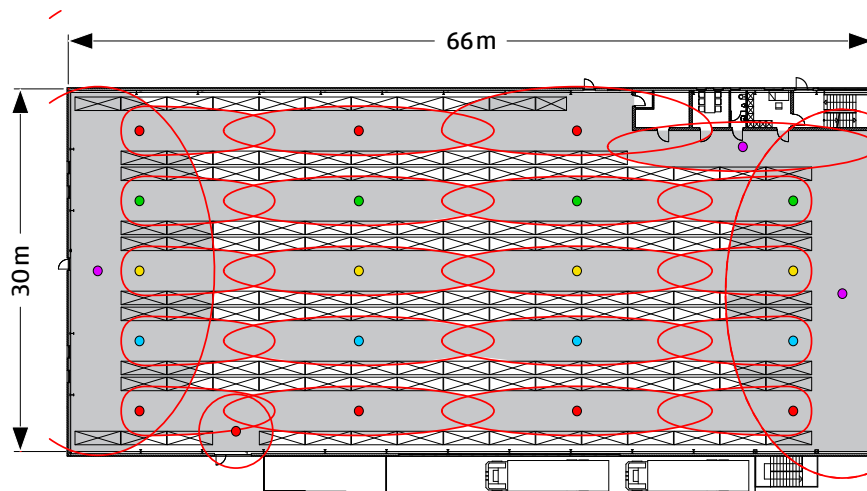
across / frontally Ø 30 m  
 for a mounting height of 14.00 m – 16.00 m



The detection range can be optimally adapted by means of blinds.

Please note that the detection range changes depending on the mounting height (p. 189-190)!

# Planning example high-bay warehouse 2 with PD4-GH and PD9-GH



Detector for  
 ● Lighting group 1-2  
 ● Lighting group 3  
 ● Lighting group 4  
 ● Lighting group 5  
 ● Lighting group 6-7

Mounting height = 10.00 m

## Application description:

In a warehouse, all areas are to be monitored with occupancy detectors and the light switched on automatically. Each aisle is to be individually monitored and switched in sections, the main aisles are to be switched in their entirety. The detectors must be mounted on the ceiling.

## Note:

In order to avoid unwanted switching in the aisles when using the main aisle, the detectors at the head ends of the aisles on this side should be restricted with blinds.

## Object data:

Type: High bay warehouse with daylight  
 Warehouse dimensions:  
 L 66.00 x B 30.00 m  
 Ceiling height: 10.00 m

## Lighting:

7 luminaire groups with electronic ballasts

## Product listing:

22 pcs. LUXOMAT® PD4 master GH devices  
 1 pcs. LUXOMAT® PD9 master GH devices

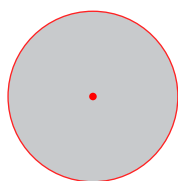
## Master device setting:

Follow-up time R1: > 5 min  
 Switch-on threshold R1: 500 Lux or  
 individually with remote control

## Operation mode:

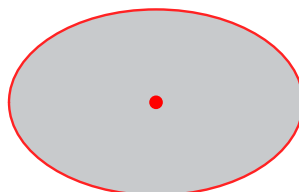
Master operation for all luminaire groups  
 (see wiring diagrams PD4-M-1C-GH and  
 PD9-M-1C-GH)

## Detection range Type "PD9-GH"

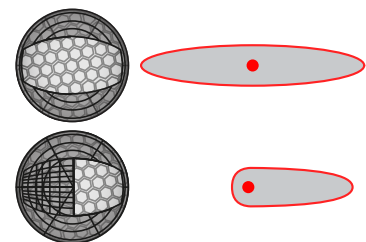


across Ø 6 m  
 for a mounting height of 2.50 m

## Detection range Type "PD4-GH"



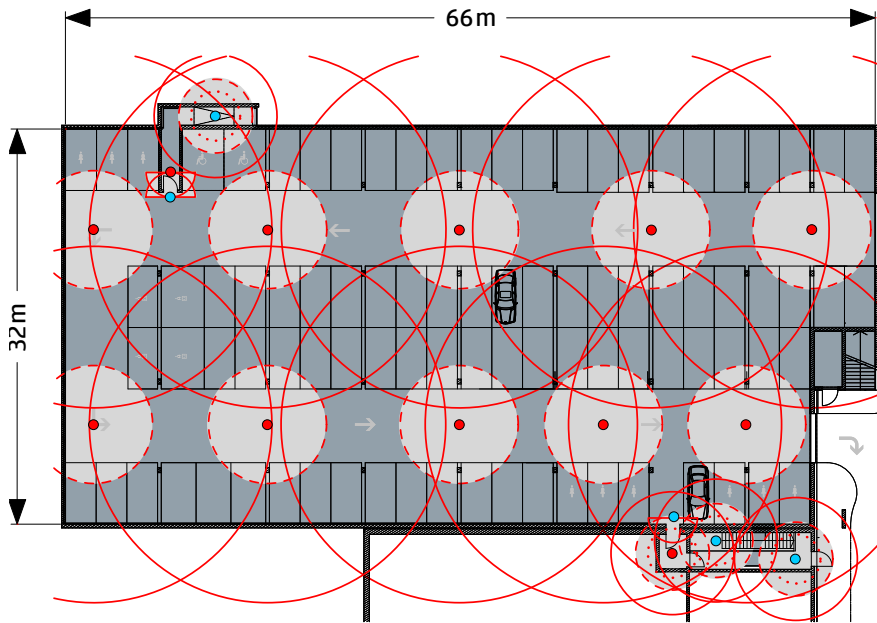
across / frontally Ø 30 m  
 for a mounting height of 14.00 m – 16.00 m



The detection range can be optimally adapted by means of blinds.

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example underground car park with PD4 and PD2



Detector for  
● Lighting group 1  
● Lighting group 2-3

Mounting height = 3.00 m

### Application description:

In an underground car park, the best possible monitoring of the entrance areas to the underground car park and the main passageways should be achieved with as few motion detectors as possible. „Dead spots“ in certain parts of the garage are to be compensated with an adjusted follow-up time.

### Note:

The transit areas are equipped with two detectors, the detection area of which is limited to the doors by means of blinds. The detectors belong to the lighting group on the other side of the respective door. In this way, the light is switched in advance in the direction of movement.

### Object data:

Type: Underground car park without daylight

Garage dimensions:

L 66.00 x B 32.00 m

Ceiling height: 3.00 m

### Lighting:

2 separate luminaire groups with electronic ballasts

### Product listing:

2 pcs. LUXOMAT® PD2 master device

5 pcs. LUXOMAT® PD2 slave device

1 pcs. LUXOMAT® PD4 master device

9 pcs. LUXOMAT® PD4 slave device

### Master device setting:

Follow-up time R1: mind. 5 min

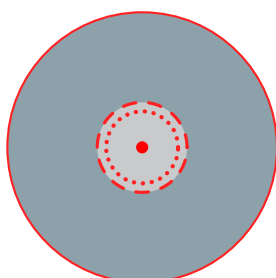
Switch-on threshold R1: 300 - 500 Lux

Follow-up time R2: optional

### Operation mode:

Parallel connection pro Lighting group (see wiring diagrams PD2-M-2C and PD4-M-2C)

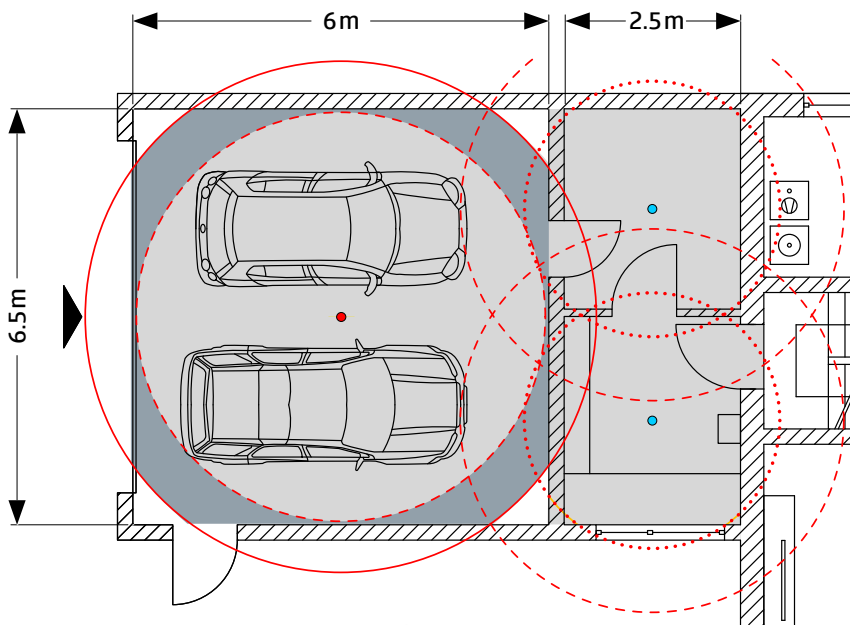
### Detection range Type "PD4"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6.4 m  
for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

# Planning example single garage with PD4N and PD3N



## Application description:

In a private garage, the lighting is to be controlled automatically by motion detectors. The motion detectors should be mounted on the ceiling.

## Object data:

Type: Private garage without daylight

Garagenabmessungen:

L 6.00 x B 6.50 m

Ceiling height: 2.50 m

## Lighting:

2 separate luminaire groups with electronic ballasts

## Product listing:

1 pcs. LUXOMAT® PD4N device  
2 pcs. LUXOMAT® PD3N devices

## Master device setting:

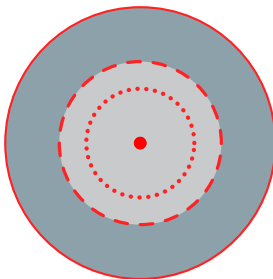
Follow-up time: 4 min

Switch-on threshold: Day (Symbol "Sun")

## Operation mode:

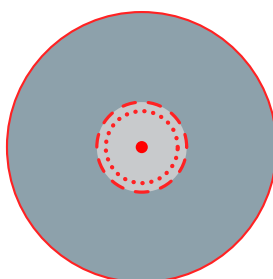
Standard operation (see wiring diagrams PD3N-1C and PD4N-1C)

## Detection range Type "PD3N"



— across Ø 10 m  
- - - frontally Ø 6 m  
..... seated activity Ø 4 m  
for a mounting height of 2.50 m

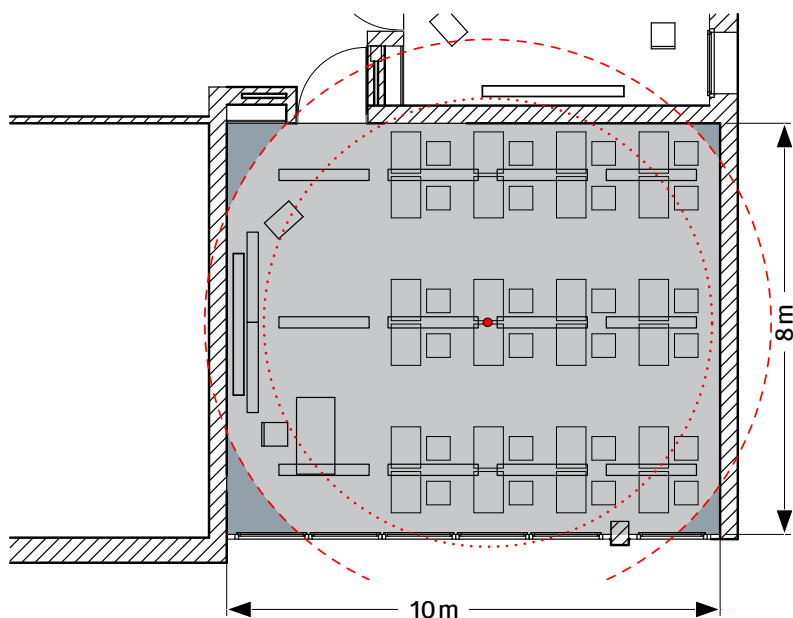
## Detection range Type "PD4N"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6.4 m  
for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example classroom with PD4



Detector for  
● Lighting group 1

Mounting height = 3.00 m

### Application description:

In a classroom, the lighting is to be controlled according to presence and daylight. Despite the automatic control, it should be possible to influence the current switching status manually by means of a push-button or remote control. The occupancy detector is to be mounted on the ceiling.

### Object data:

Type: Classroom with daylight

Room dimensions:

L 10.00 x B 8.00 m

Ceiling height: 3.00 m

### Lighting:

1 luminaire group with electronic ballasts

### Product listing:

1 pcs. LUXOMAT® PD4 master device

### Master device setting:

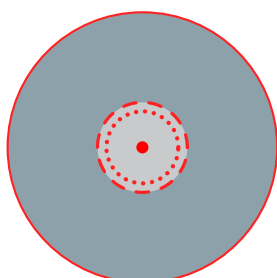
Follow-up time: mind. 5 min

Switch-on threshold: 500 Lux or individually with remote control

### Operation mode:

Master operation (see wiring diagram PD4-M-1C)

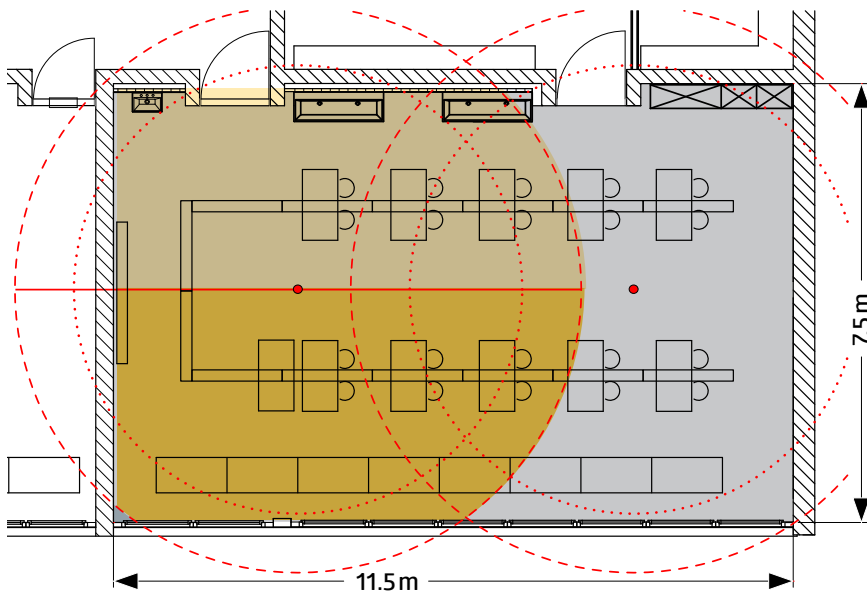
### Detection range Type "PD4"



—	across	Ø 24 m
- - -	frontally	Ø 8 m
.....	seated activity	Ø 6.4 m
for a mounting height of 2.50 m		

Please note that the detection range changes depending on the mounting height (p. 189-190)!

# Planning example classroom with PD4-DUO



■ Light sensor 1  
■ Light sensor 2

Detector for  
● Lighting group 1

Mounting height = 3.00 m

## ■ Application description:

In a classroom, the lighting is to be controlled according to presence and daylight. The difference in brightness between the room side towards the wall and the room side towards the window should be compensated. Despite the automatic control, it should be possible to influence the current switching status manually by means of a push-button or remote control. The occupancy detector is to be mounted on the ceiling.

## ■ Note:

Each light band in the classroom is a luminaire group. The PD4-DUO has two independent light sensors. It can thus control two lighting groups with different brightness values and thus compensate for differences in brightness in the room.

## ■ Object data:

Type: Classroom with one window side

Room dimensions:

L 11.50 x B 7.50 m

Ceiling height: 3.00 m

## ■ Lighting:

2 luminaire groups with electronic ballasts

## ■ Product listing:

1 pc. LUXOMAT® PD4 master DUO Device

1 pc. LUXOMAT® PD4 slave device

## ■ Master device setting:

Follow-up time R1: mind. 5 min

Switch-on threshold R1: 500 Lux or individually with remote control

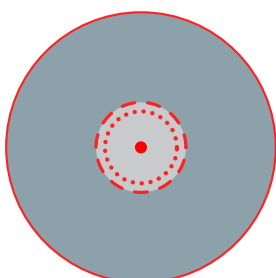
Follow-up time R2: mind. 5 min

Switch-on threshold R2: 500 Lux or individually with remote control

## ■ Operation mode:

Master/slave circuit with optional push-button control (see wiring diagrams PD4-M-2C-DUO)

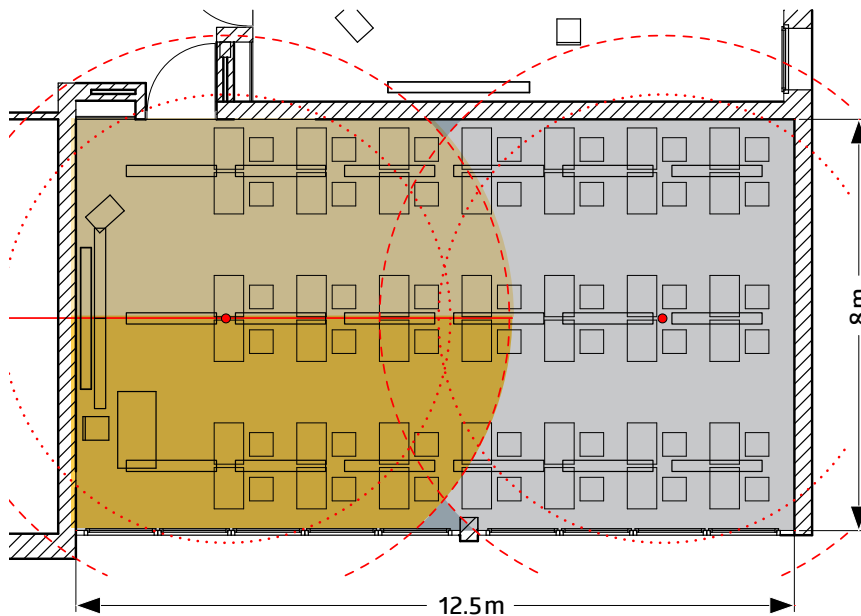
## ■ Detection range Type "PD4-DUO"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6.4 m  
for a mounting height of 2.50 m

Please note that the detection range changes depending on the mounting height (p. 189-190)!

## Planning example classroom with PD4-DAA4G



■ Light sensor 1  
■ Light sensor 2

● Detector for  
● Lighting group 1

Mounting height = 3.00 m

### ■ Application description:

In a classroom with a window front, three light bands and separate blackboard lighting, the lighting is to be controlled according to presence and daylight. The difference in brightness between the wall and window sides is to be compensated so that the same brightness prevails at each pupil's desk. In addition, the air conditioning system is to be activated according to presence.

### ■ Note:

With the PD4-DAA4G, the three light bands in the room can be operated as individual DALI groups. Offset values are used to compensate for brightness differences. The panel lighting can be switched as the fourth DALI group. In addition, the air-conditioning system is

automatically controlled via a relay channel. Despite the automatic control, the current switching status can be overridden manually via push-button or remote control app.

### ■ Object data:

Type: Classroom with one window side

Room dimensions:

L 12,50 x B 8.00 m

Ceiling height: 3.00 m

### ■ Lighting:

4 DALI groups with electronic ballasts

1 Relay channel for air conditioning

### ■ Product listing:

1 pc. LUXOMAT® PD4 master DAA4G device

1 pc. LUXOMAT® PD4 slave DAA4G device

### ■ Master device setting:

Follow-up time DALI-Group 1-4: > 5 min

Switch-on threshold :DA1 - DA4: 500Lux

Main lighting: full automatic  
(DALI group 1-3)

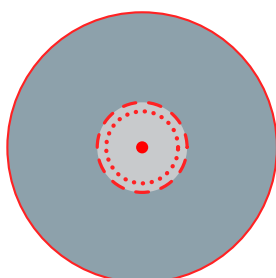
Panel lighting: semi-automatic  
(DALI group 4)

Follow-up time HVAC: 15 min

### ■ Operation mode:

Standard mode (see wiring diagram PD4-M-DAA4G)

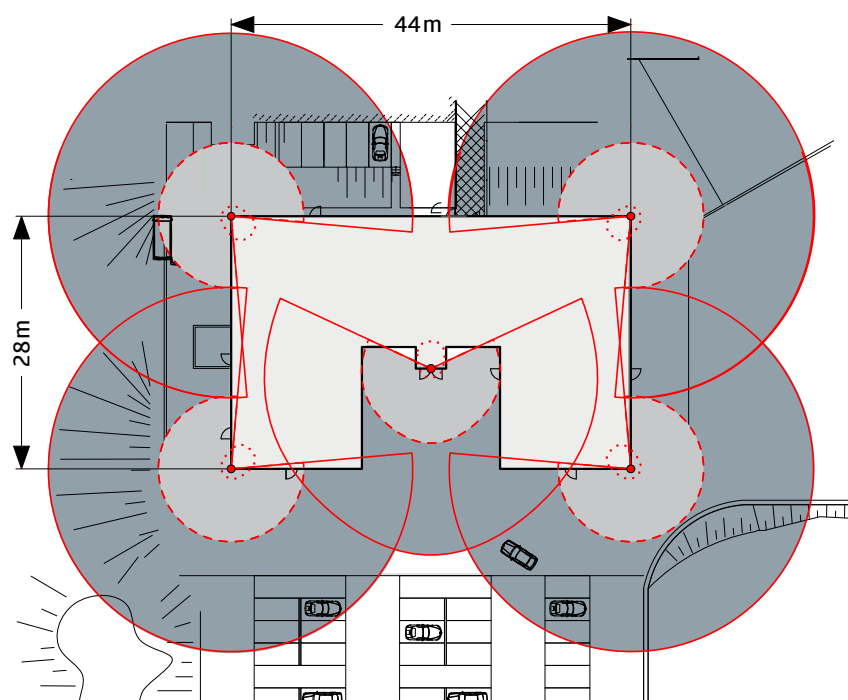
### ■ Detection range Type "PD4-DAA4G"



— across Ø 24 m  
- - - frontally Ø 8 m  
..... seated activity Ø 6.4 m  
for a mounting height of 2.50 m

Please note that the detection range  
changes depending on the mounting  
height (p. 189-190)!

## Planning example building with RC-plus next N



Detector for  
● Lighting group 1

Mounting height = 2.50 m

### Application description:

In the outdoor area of an office building, the lighting should be reliably switched by motion detectors. As few detectors as possible should be required to cover the entire area.

### Note:

It must be ensured that the motion detectors are always mounted laterally to the walking or driving direction of persons or vehicles. If you approach the detector directly, the range is considerably reduced.

The RC-plus next N is available with 130°, 180° or 280° detection range.

### Object data:

Type: Exterior office building

Building dimensions:

L 44.00 x B 28.00 m

Storey height: 3.00 m

### Lighting:

1 Lighting group

### Product listing:

4 pcs. LUXOMAT® RC-plus next N 280-  
devices

1 pcs. LUXOMAT® RC-plus next N 230-  
device

### Device setting:

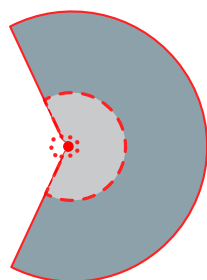
Follow-up time: 4 min

Switch-on threshold: advanced twilight  
(symbol "moon dark")

### Operation mode:

Standard operation (see circuit diagram RC-  
plus next N) or parallel connection with L'  
monitoring

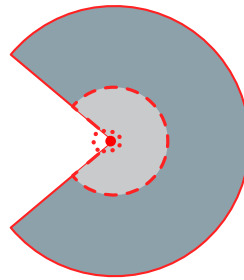
### Detection range Type "RC-plus next N 230"



—	across	max. 20 m
- - -	frontally	max. 6 m
.....	Anti-creep zone	max. 4 m

for a mounting height of 2.50 m

### Detection range Type "RC-plus next N 280"



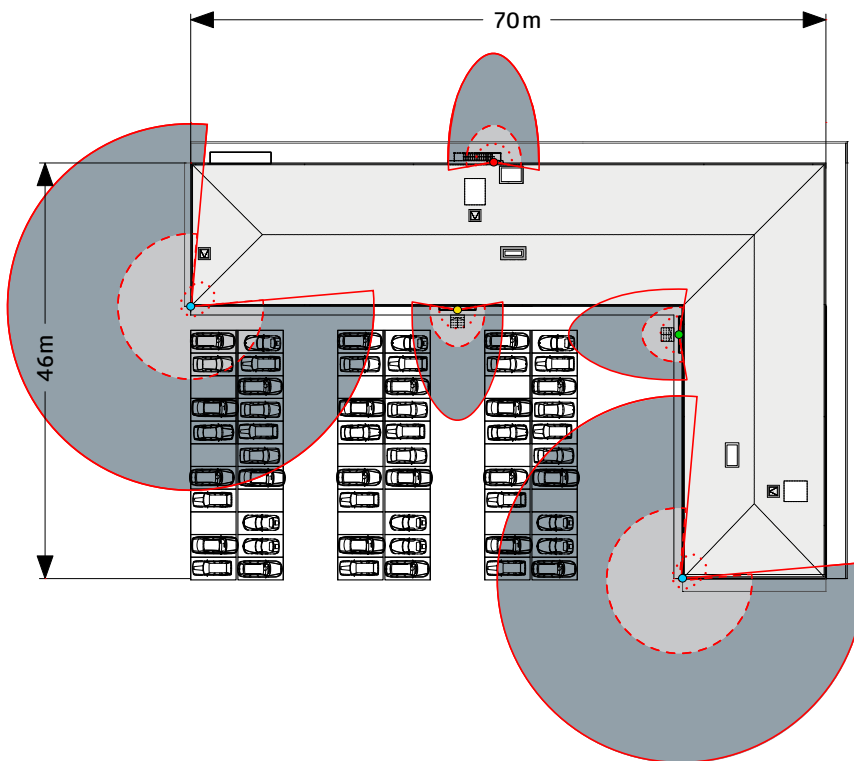
—	across	max. 20 m
- - -	frontally	max. 6 m
.....	Anti-creep zone	max. 4 m

for a mounting height of 2.50 m

Please note that the detection range  
changes depending on the mounting  
height (p. 189-190)!



## Planning example building with RC-plus next N and LC-Click-N



- Detector for
- Lighting group 1
  - Lighting group 2-3
  - Lighting group 4
  - Lighting group 5

Mounting height = 2.50 m

### Application description:

In a town hall, the entrances to the car park and the building entrances are to be monitored by motion detectors in order to switch on the outdoor lighting at the entrances.

### Note:

It must be ensured that the motion detectors are always mounted laterally to the walking or driving direction of persons or vehicles. If you approach the detector directly, the range is considerably reduced.

### Object data:

Type: Exterior administration building  
Building dimensions:  
L 70.00 x B 46.00 m  
Storey height: 3.00 m

### Lighting:

1 Lighting group

### Product listing:

2 pcs. LUXOMAT® RC-plus next N 280-  
devices  
3 pcs. LUXOMAT® LC-Click-N 200-  
devices

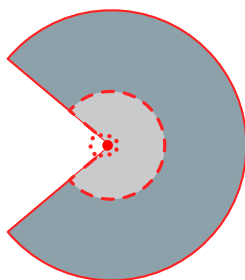
### Device setting:

Follow-up time: 4 min  
Switch-on threshold: advanced twilight  
(symbol "moon dark")

### Operation mode:

Standard operation (see circuit diagram  
RC-plus next N) or parallel connection with  
L' monitoring

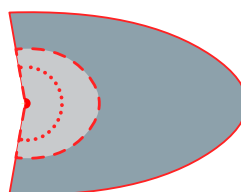
### Detection range Type "RC-plus next N 280"



—	across	max. 20 m
- - -	frontally	max. 6 m
.....	Anti-creep zone	max. 4 m

for a mounting height of 2.50 m

### Detection range Type "LC-Click-N 200"



—	across	max. 12 m
- - -	frontally	max. 4 m
.....	Anti-creep zone	max. 2 m

for a mounting height of 2.50 m

Please note that the detection range  
changes depending on the mounting  
height (p. 189-190)!

# Product listing

Part No.	Description	Prod./Gr.	Page
10880	RC-Arc extinction kit		195
10882	Mini-RC-Arc extinction kit		195
32697	Blinds for RC-plus next	6	195
32698	Blinds for LC-plus 280	6	195
32699	Blinds for LC-Click-N	6	195
32702	Blinds Mini-Occupancy detector PD9	6	194
33232	Blinds LC-Mini	6	195
33233	Blind Indoor 180	6	195
36635	Blinds for PD2-FC	6	194
38522	Cover ring PD11 with Blinds	6	194
38946	Central plate Indoor 140 45x45	6	141
38947	Central plate Indoor 180	6	109
39076	Central plate Indoor 180	6	109
91001	LC-Click-N 140	1	17
91002	LC-Click-N 194	1	18
91008	LC-plus 280	1	16
91011	LC-Click-N 140	1	17
91012	LC-Click-N 194	1	18
91018	LC-plus 280	1	16
91021	LC-Click-N 140	1	17
91022	LC-Click-N 194	1	18
91028	LC-plus 280	1	18
91048	LC-plus 280	1	18
91051	LC-Mini 120	1	19
91052	LC-Mini 180	1	20
91071	LC-Mini 120	1	19
91072	LC-Mini 180	1	20
91940	IR-RC	9	13
92077	IR-PD-1C-E	9	186
92090	IR-RC-Mini	9	186
92092	IR-PD-DUO	9	186
92093	IR-LC-Mini	9	186
92094	IR-PD-DALI	9	186
92095	IR-LC-plus	9	186
92097	IR-PD4-TRIO	9	186
92098	IR-PD-DIM-Mini	9	186
92104	IR-PD4-TRIO-DALI	9	186
92105	IR-PD3N	9	186
92112	IR-PD-DALI-Mini	9	186
92113	PD2N-LTMS-FC	13	153
92114	IR-PD-DIM-HVAC	9	186
92115	IR-PD3N-2C	9	186
92116	IR-PD-DALI-1C	9	186
92119	PD2N-LTMS-RR-FC	13	148
92121	Surface mounting socket (IP54) PD1N-FM	6	95
92122	IR-PD-DALI-E	9	186
92123	IR-PD-KNX	9	186
92135	Indoor 180-S covering included	13	163
92136	Indoor 180-M-2C covering included	13	163
92139	Frame IP54 Indoor 180	6	153
92140	PD4-M-2C-SM	13	53
92141	Surface mounting socket Indoor 180	6	109
92142	PD4-S-SM	13	114
92143	PD4-M-2C-C-FC	13	54
92144	PD4N-1C-SM	13	27
92147	PD4-M-DIM-SM	13	64
92148	PD4-M-2C-FC	13	53
92149	PD4N-1C-FC	13	27
92150	PD2-M-2C-SM	13	52
92151	PD4N-1C-FM	13	27
92152	PD2-S-SM	13	113
92153	PD2-M-DIM-SM	13	63
92154	PD2-M-2C-12-48V-3A-SM	13	59
92155	PD2-M-2C-FM	13	52

Part No.	Description	Prod./Gr.	Page
92156	PD2-S-FM	13	113
92157	PD2-M-DIM-FM	13	63
92158	PD4-M-2C-DUO-SM	13	57
92159	IR-PD-Mini	9	186
92160	IR-PD	9	186
92161	SM socket IP54 for PD2- / PD4-SM	6	39
92163	PD4-S-FM	13	114
92164	PD2-M-2C-12-48V-3A-FC	13	59
92165	PD2-M-2C-FC	13	52
92166	PD2-S-FC	13	113
92167	PD2-M-DIM-FC	13	63
92184	PD3N-1C-FC Micro	13	24
92185	IR-LTMS	9	186
92186	PD3N-1C-FM	13	23
92188	PD3N-2C-FM	13	34
92190	PD3N-1C-SM	13	23
92196	PD3N-1C-FC	13	23
92198	PD3N-2C-FC	13	34
92199	Wire basket BSK (Ø 194 x 90 mm)	6	194
92194	IR-PDim	9	186
92195	IR-PD9	9	186
92215	IR-PD4-GH	9	186
92217	PD4-M-DIM-C-FC	13	65
92218	PD4-M-DIM-C-SM	13	65
92219	PD3N-1C-SM Micro	13	24
92245	PD4-M-1C-GH-SM	13	44
92247	PD4-M-DIM-FC	13	64
92248	PD4-M-DIM-FM	13	64
92249	CdS-FC	10	183
92251	PD4-M-2C-DUO-FC	13	57
92252	PD4-M-2C-DUO-FM	13	57
92254	PD4-S-FC	13	57
92255	PD4-M-2C-FM	13	53
92258	PD2-M-DALI/DSI-FC	13	75
92260	Blinds PD2-SM / PD4-SM	6	194
92265	PD4-S-GH-SM	13	116
92270	PD4N-1C-C-SM	13	29
92272	PD4-M-DUO-DIM-FC	13	68
92274	PD4N-1C-C-FC	13	29
92275	PD4-M-DALI/DSI-FC	24	76
92276	PD4-M-DUO-DALI/DSI-FC	24	85
92279	PD4-M-DALI/DSI-SM	24	76
92280	PD2-M-DALI/DSI-SM	24	75
92294	Blinds Indoor 180 transparent	6	195
92305	PD2-M-2C-12-48V-RR-SM	13	60
92306	PD2-M-2C-12-48V-RR-FC	13	60
92313	Blinds PD4 -FC / -FM	6	194
92320	MiniClip LR1	10	188
92328	PD4-M-DALI/DSI-C-FC	24	77
92329	Indoor 180-LON covering not included	19	146
92365	CdS-R	10	180
92367	CdS-T-SM	10	181
92368	IR-CdS-T	9	186
92369	CdS-SM	10	182
92375	Surface mounting socket (IP65) for PD4-SM IP20	6	40
92376	Surface mounting socket (IP65) PD4-SM IP54	6	53
92386	Socket IP54 PD4-TRIO-SM	6	43
92396	IR-CdS-FP	9	186
92440	PD4-M-2C-C-SM		54
92441	Wall holder PD4-SM	6	29
92442	PD4-S-C-SM	13	115
92443	PD4-M-2C-C-FM	13	54
92444	PD4-S-C-FC	13	115
92445	PD4-S-C-FM	13	115

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92467	Wire basket BSK (Ø 164 x 143 mm)	6	194
92473	IR-PD4-TRIO-2R1D	9	186
92475	IR-PD-2C	9	186
92479	IR-PD-LD	9	186
92480	PD4-M-1C-C-PS-FC	13	42
92485	PD4-M-1C-C-PS-SM	13	42
92486	PD2-M-DALI/DSI-1C-FC	24	81
92488	PD4-M-DALI/DSI-1C-FC	24	83
92489	PD4-M-DALI/DSI-1C-SM	24	83
92507	PD4-M-DIM-HVAC-3A-FC	13	70
92520	IR-PD-1C	9	186
92530	PD4-M-DALI/DSI-C-SM	24	77
92547	PD4-M-DIM-HVAC-16A-FC	13	71
92550	PD2-M-1C-SM	13	39
92555	PD2-M-1C-FM	13	39
92562	CdS-DALI/DSI-FC	10	189
92563	CdS-DALI/DSI-SM	10	189
92565	PD2-M-1C-FC	13	39
92575	PD4-M-1C-FM	13	40
92576	PD3N-1C-NO-PF-FC	13	25
92577	IR-CdS	9	186
92580	PD4-M-1C-SM	13	40
92583	PD11-M-1C-FLAT-FC	13	50
92585	PD4-M-1C-FC	13	40
92586	PD4-M-1C-C-FC	13	41
92587	PD4-M-1C-C-SM	13	41
92589	CdS-DIM-FC	10	187
92591	PD4-M-DAA4G-FC	24	89
92593	PD11-S-FLAT-FC	13	122
92594	PD11-LTMS-RR-FC	13	150
92616	Indoor 180-R-2D covering included	13	157
92621	Indoor 180-R-11-48V-3A covering included	13	159
92622	Indoor 180-T covering included	13	156
92623	Indoor 180-R covering included	13	155
92630	Frame IP20 Indoor 180	6	153
92631	Frame IP20 Indoor 180	6	153
92632	Frame IP20 Indoor 180	6	153
92633	Frame IP20 Indoor 180	6	153
92634	Frame IP20 Indoor 180	6	153
92649	IR-RC-LD	9	186
92650	Indoor 180-TR covering included	13	158
92652	IR-PD-DALI-LD	9	186
92655	SCT1	36	158
92660	Indoor 180-S covering not included	13	163
92661	Indoor 180-M-2C covering not included	13	162
92664	Indoor 180-T covering not included	13	156
92665	Indoor 180-R covering not included	13	155
92666	Indoor 180-R-11-48V-3A covering not included	13	159
92667	Indoor 180-R-11-48V-RR covering not included	13	160
92668	Indoor 180-TR covering not included	13	158
92681	TS-DD	10	179
92692	Cover ring PD11 Ø 100 mm	6	50
92698	PD2-M-DALI/DSI-HVAC-FC	24	82
92699	PD4-M-DALI/DSI-HVAC-FC	24	84
92700	PICO-S-FC	13	121
92709	PD4N-LTMS-RR-FC	13	149
92719	PICO-KNX-DX-FC	42	139
92721	PD4-S-DAA4G-FC	24	90
92726	IR-Adapter for Smartphones	9	186
92730	PD4-M-TRIO-DIM-SM	13	69
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92745	PD4-M-3C-TRIO-FC	13	58
92746	PD4-M-TRIO-C-3P-FC	13	43
92747	PD4-M-TRIO-C-3P-SM	13	43
92750	PD4-M-TRIO-DALI/DSI-SM	24	86
92751	PD4-M-TRIO-2DALI/DSI-1C-SM	24	87
92755	PD4-M-TRIO-DALI/DSI-FC	24	86
92756	PD4-M-TRIO-2DALI/DSI-1C-FC	24	87
92759	PD4-S-DAA4G-SM	24	90
92760	PD4-M-2C-DS-FC	13	55
92790	PD4-M-TRIO-2R-1D-FC	13	88
92831	PD4N-LON-FC	19	144
92833	In-wall mounting set / PD11	6	50
92834	PD4N-LON-SM	19	144
92835	IR-PD-LON	9	186
92851	IR-PD4-TRIO-3C	9	186
92900	PD9-M-1C-FC	13	45
92902	PD9-1C-FC	13	31
92905	PD9-S-FC	13	117
92910	PD9-M-DIM-FC	13	66
92912	PD9-M-1C-SDB-IP65-FC	13	47
92913	PD9-M-1C-SDB-IP65-FC	13	47
92915	PD9-S-SDB-FC	13	119
92917	PD9-DIGI	13	33
92920	PD9-M-DALI/DSI-FC	24	79
92923	PD9-M-1C-GH-FC	13	46
92924	PD9-M-DIM-GH-FC	13	67
92928	PD9-S-GH-FC	13	118
92931	PD9-M-1C-SDB-IP65-GH-FC	13	48
92932	PD9-M-1C-SDB-IP65-GH-FC	13	48
92933	PD9-S-SDB-GH-FC	13	120
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92938	PD9-M-DALI/DSI-GH-FC	24	80
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92953	Cover PD9-GH	6	194
92958	Cover IP65 for Sensor head PD9	6	31
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92976	PD9-M-2C-FC	13	56
92985	PD9-1C-12-48V-FC	13	35
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93016	CdS-LC-SM	10	180
93025	PD4-BMS-GH-SM	38	106
93033	PD2-M-DALI/DSI-1C-SM	24	81
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93068	PD11-DALI-LINK-FLAT-FC	24	95
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93323	RC-plus next N 130	1	13
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93329	PD2N-BMS-FC	38	103
93330	PD11-BMS-FLAT-FC	38	108
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93344	RC-plus next N 280	1	15
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93357	PD4-BMS-C-SM	38	105
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93383	PD2N-KNX-ST-FM	42	128
93384	PD4N-KNX-ST-FC	42	129
93385	PD4N-KNX-ST-FM	42	129
93386	PD4N-KNX-DX-FC	42	134
93387	PD4N-KNX-DX-FM	42	134
93388	PD4N-KNX-C-DX-FC	42	135
93389	PD4N-KNX-C-DX-FM	42	135
93390	PD9-KNX-DX-FC	42	137
93391	PD9-KNX-GH-DX-FC	42	138
93392	PD11-KNX-FLAT-DX-FC	42	140
93393	Indoor 140-L-KNX-DX covering not included	42	141
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93396	PBM-DALI-LINK-4W	24	100
93397	Indoor 180-BMS covering not included	38	109
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93399	PD4-KNX-GH-DX-SM	42	136
93802	PD11-KNX-FLAT-ST-FC	42	130
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93845	PD4-DALI-LINK-GH-SM	24	97
93908	PICO-DALI-LINK-FC	24	98
93924	PICO-BMS-FC	38	107
94055	PD2N-M-1C-LED-FC	13	51
94325	Indoor 140-L covering not included	13	161
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Notes

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■ Subsidiaries and commercial agencies