



OCCUPANCY AND MOTION DETECTORS





Power supply



Detection area



Switching power



Range (approx.) in m



Time settings



Cable length



Remote controllable



Lux value



Degree of protection



Dimensions



Ambient temperature



Housing



Frequency

Three steps to the right device

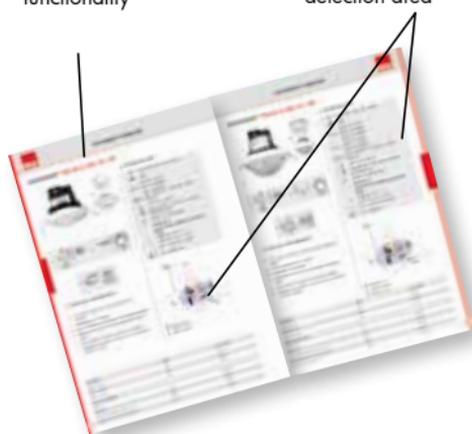
1. Application

Page tabs sorted by use or application



2. Function

Product sequence by type description and functionality



3. Technical Data

Specification by technical data and detection area



B.E.G. Brück Electronic GmbH – a company with a tradition

Founded in 1975, family-owned **B.E.G.** Brück Electronic GmbH, headquartered in Lindlar, Germany, has stood for quality and innovation for over 35 years. From the very beginning, our team's focus has been on satisfying customers. The foundation stone of our comprehensive range was the development and production of emergency lights. Shortly afterwards came the production of complete systems for emergency lighting installations.

In 1986 **B.E.G.** was one of the first companies in Germany to produce motion detectors and automatic lighting. Since then, **B.E.G.** has produced many generations of motion detectors, which are installed primarily outside buildings, predominantly for security. Logical expansion of the range has been steadily driven forward with new innovative product lines such as **VIDEOLUX®** and **LUXOMAT®** ECOLIGHT.

The rapid growth in building automation and the resultant rise in demand for intelligent control products has led to the continual expansion of the occupancy detection business. The installation of occupancy detectors is being driven not only by convenience, but now by cost reduction through energy saving, and environmental protection.

Success has enabled the company to continue its growth, resulting in the foundations being laid in 2006 for a new building complex. In 2007, the new distribution and logistics centre with adjoining production and development facilities started operation in Lindlar.

The latest product innovation from Lindlar is **B.E.G. SMARTHOME®**. This wireless-enabled bi-directional building automation system is right up to date with its wireless upgradeability and modular construction.

The company has been certified to ISO 9001:2008 and ISO 14001:2004 for many years. Today, **B.E.G.** has an excellent reputation across Germany and internationally, and has branches and agencies in many countries worldwide.

Detector	Type	1C	2C	M-1C	M-2C	M-2C-DUO	M-3C-TRIO	M-DIM	M-DIM-HVAC	M-DUO-DIM	M-TRIO-DIM	DALI	DALI-1C	DUO-DALI	TRIO-DALI	S	11-48V	LTMS	KNX	LON	Wireless	HF
RC-plus next 130		8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RC-plus next 230		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	12
RC-plus next 280		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-plus 280		13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Click-N 140		14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Click-N 200		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Mini 120		16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LC-Mini 180		17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD1N		-	-	54	54	-	-	64	-	-	-	-	-	-	-	87	-	-	-	-	-	-
PD2		-	-	42	55	-	-	65	-	-	-	75	80,81	-	-	88	97	98	99	106	-	-
PD3N		22, 23	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD3N-acoustic		24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
PD4		27	-	43	56	59	63	66	71	73	74	76	82, 83	84	85, 86	89	-	-	100	-	-	-
PD4-PS-C		-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-DS		-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-C		28	-	44	57	-	-	67	-	-	-	77	-	-	-	-	-	-	102	-	-	-
PD4-GH		-	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101	-	-	-
PD4-TRIO-3P		-	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-TRIO-C-3P		-	-	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD5		-	-	47	-	-	-	68	-	-	-	-	-	-	-	92	-	-	-	-	-	-
PD9-DIGI		29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD9		30	-	48	58	-	-	69	72	-	-	78	-	-	-	93	32	-	103	107	-	-
PD9-GH		31	-	49	-	-	-	70	-	-	-	79	-	-	-	94	-	-	104	-	-	-
PD9-SDB		-	-	50	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	-
PD9-SDB-GH		-	-	51	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-
PICO		-	-	52	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	-	-	-
PD11		-	-	53	-	-	-	-	-	-	-	-	-	-	-	96	-	-	105	-	-	-
Indoor 140-L		115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180		-	-	122	-	-	-	-	-	-	-	-	-	-	-	123	-	-	124	125	-	-
Indoor 180-R		116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180-T		117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119	-	-	-	-	-
Indoor 180-R-2D		118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180-5C		120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HF-MD1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
HF-MD2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34

	Motion detectors for outdoor use	6 - 18
	<ul style="list-style-type: none"> ▪ The detectors switch outdoor illumination automatically upon movement of persons within the detection area. ▪ The detectors respond to significant movement (e.g. people walking) and have a simple light measurement 	
	Ceiling-mounted motion detector	19 - 36
	<ul style="list-style-type: none"> ▪ Usually used where people are present indoors for only a short time or little natural light is available. ▪ They also respond to a smaller degree of movement and have a simple light measurement. 	
	Ceiling-mounted occupancy detector with daylight appraisal	37 - 109
	<ul style="list-style-type: none"> ▪ Respond to the smallest of movements. In addition to artificial lighting only being switched on when required, it is also switched off again once sufficient daylight is present. For devices with a dim function, the room lighting is also continuously adjusted to daylight levels. ▪ Fully automatic (Switch on when ambient luminosity is low and motion is detected) or Semi-automatic (Switch on only via an additional pushbutton). 	
	Motion and occupancy detectors as wall switches	110 - 125
	<ul style="list-style-type: none"> ▪ Compact design of a wall-mounted unit, Installation height of 1.10-2.20 m. These devices can be combined with many existing switch designs and colours. 	
	Remote controls	126 - 137
	Wiring diagrams	138 - 152
	Application examples	153 - 179
	Product listing	180 - 182

LUXOMAT® Motion detectors for exterior wall and ceiling mounting



- Simply better – for energy saving, security and convenience

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 controls for mechanical range and dials for twilight 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 lea-

ding past the area. If requirements should change, settings can be altered according to demand.

For more convenience compared to a dial, 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.

Overview motion detectors for outdoor use

Motion detector	Part number	Page	Wall mounting	Ceiling mounting	Outdoor corner mounting	Motion detection	Remote controllable	Range	Detection area
RC-plus next 130	97001 – white 97011 – brown 97021 – black	8	■	■	□	■	■	20 m	130°
RC-plus next 230	97002 – white 97012 – brown 97022 – black 97042 – silver	9	■	■	□	■	■	20 m	230°
RC-plus next 280	97003 – white 97013 – brown 97023 – black	10	■	■	■	■	■	20 m	280°
RC-plus next 230 KNX	92894 – white 92895 – black	11	■	■	□	■	–	20 m	230°
RC-plus next 230 ZW	92066 – white	12	■	■	□	■	■	20 m	230°
LC-plus 280	91008 – white 91018 – brown 91028 – black 91048 – silver	13	■	–	■	■	■	16 m	280°
LC-Click-N 140	91001 – white 91011 – brown 91021 – black	14	■	–	–	■	–	12 m	140°
LC-Click-N 200	91002 – white 91012 – brown 91022 – black	15	■	–	–	■	–	12 m	200°
LC-Mini 120	91051 – white 91071 – black	16	■	–	–	■	–	10 m	120°
LC-Mini 180	91052 – white 91072 – black	17	■	–	–	■	–	10 m	180°

□ Accessory
■ Standard

RC-plus next – The premium class

Base compatible with previous version



Mounting types



Special features

Cover clips and cover



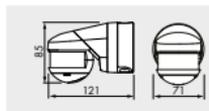
LUXOMAT® RC-plus next 130



white

brown

black



PRODUCT INFORMATION

- Motion detector with 130° detection area and 360° creep zone
- Variable light-on time depends on direction of movement
- Adjustable ball head
- Mechanical range adjustment
- Simple socket mounting
- Wall, ceiling and external corner mounting
- Socket compatibility with LUXOMAT® RC-plus and LUXOMAT® Vario
- Immediate operation using factory settings

TECHNICAL DATA

110-240 V AC , 50 / 60 Hz
(can also be supplied with other operating voltages on request)

130°

max. 20 m when walking across (tangential)

IP54 / Class II

-25 °C to +50 °C

Housing UV- and shock resistant polycarbonate

IR-RC, IR-RC-Mini, IR-RC-LD

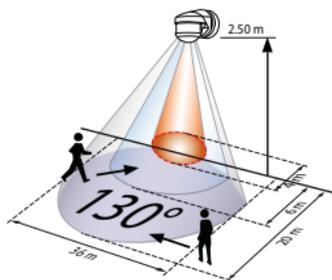
Canal 1 (control the lighting)

3000 W, $\cos \varphi = 1$

1500 VA, $\cos \varphi = 0.5$

15 s - 16 min or pulse

2 - 2000 Lux



- Walking across
- Walking towards
- Anti-creep

Description	Colour	Part number
RC-plus next 130	white	97001
RC-plus next 130	brown	97011
RC-plus next 130	black	97021
Accessory (optional)		
IR-RC	grey	92000
IR-RC-Mini	grey	92090
IR-RC-LD	grey	92649
Outside corner socket for RC-plus next	white/ brown/ black	97004/ 97014/ 97024
Inside corner socket for RC-plus next	white	97005
Wire basket BSK (Ø 164 x 143)	white	92467

LUXOMAT® RC-plus next 230

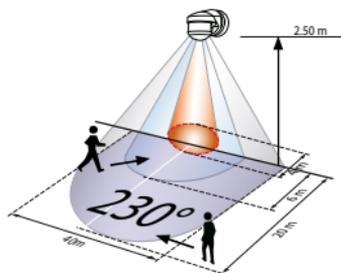


■ TECHNICAL DATA

- ~ 110-240 V AC, 50 / 60 Hz
(can also be supplied with other operating voltages on request)
- ☂ 230°
- max. 20 m when walking across (tangential)
- IP IP54 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 🔦 IR-RC, IR-RC-Mini, IR-RC-LD
- Canal 1 (control the lighting)**
- ⚡ 3000 W, $\cos \varphi = 1$
- ⚡ 1500 VA, $\cos \varphi = 0.5$
- 🕒 15 s - 16 min or pulse
- ☀️ 2 - 2000 Lux

i PRODUCT INFORMATION

- Motion detector with 230° detection area and 360° creep zone
- Two independent sensors with independent range adjustment
- Variable light-on time depends on direction of movement
- Adjustable ball head
- Mechanical range adjustment
- Simple socket mounting
- Wall, ceiling and external corner mounting
- Socket compatibility with LUXOMAT® RC-plus and LUXOMAT® Vario
- Immediate operation using factory settings



- Walking across
- Walking towards
- Anti-creep

Description	Colour	Part number
RC-plus next 230	white	97002
RC-plus next 230	brown	97012
RC-plus next 230	black	97022
RC-plus next 230	silver	97042
Accessory (optional)		
IR-RC	grey	92000
IR-RC-Mini	grey	92090
IR-RC-LD	grey	92649
Outside corner socket for RC-plus next	white/ brown/ black/ silver	97004/ 97014/ 97024/ 97043
Inside corner socket for RC-plus next	white	97005
Wire basket BSK (Ø 164 x 143)	white	92467

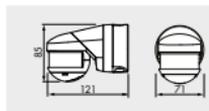
LUXOMAT® RC-plus next 280



white

brown

black



PRODUCT INFORMATION

- Motion detector with 280° detection area and 360° creep zone
- Three independent sensors with independent range adjustment
- Variable light-on time depends on direction of movement
- Adjustable ball head
- Mechanical range adjustment
- Simple socket mounting
- **Special socket included for external corner mounting**
- Wall, ceiling and external corner mounting
- Socket compatibility with LUXOMAT® RC-plus and LUXOMAT® Vario
- Immediate operation using factory settings

TECHNICAL DATA

110-240 V AC, 50 / 60 Hz
(can also be supplied with other operating voltages on request)

280°

max. 20 m when walking across (tangential)

IP54 / Class II

-25 °C to +50 °C

Housing UV- and shock resistant polycarbonate

IR-RC, IR-RC-Mini, IR-RC-LD

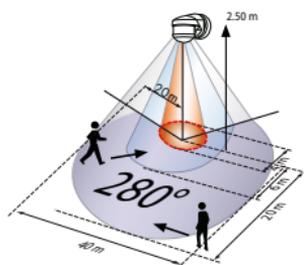
Channel 1 (control the lighting)

3000 W, $\cos \varphi = 1$

1500 VA, $\cos \varphi = 0.5$

15 s - 16 min or pulse

2 - 2000 Lux



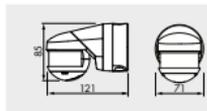
- Walking across
- Walking towards
- Anti-creep

Description	Colour	Part number
RC-plus next 280	white	97003
RC-plus next 280	brown	97013
RC-plus next 280	black	97023
Accessory (optional)		
IR-RC	grey	92000
IR-RC-Mini	grey	92090
IR-RC-LD	grey	92649
Outside corner socket for RC-plus next	white/ brown/ black	97004/ 97014/ 97024
Inside corner socket for RC-plus next	white	97005
Wire basket BSK (Ø 164 x 143)	white	92467

LUXOMAT® RC-plus next 230 KNX



white

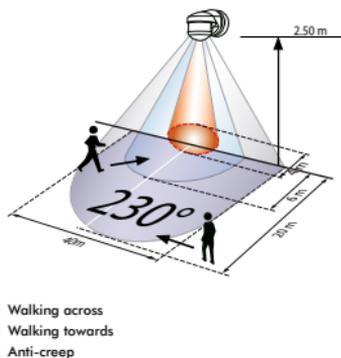


i PRODUCT INFORMATION

- KNX motion detector with integrated KNX bus connector
- When using the application B.E.G.-DIM-HKL-V5.0, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-dependent constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control

■ TECHNICAL DATA

- ⚡ 24 V DC from KNX-BUS network
- 📐 230°
- 📏 max. 20 m when walking across (tangential)
- 📦 IP54 / Class II
- 🌡️ -25 °C to +55 °C
- 🛡️ Housing UV- and shock resistant polycarbonate
- 🔦 IR-PD-KNX
- 🔌 **For integration in KNX-BUS systems**
- 🕒 1 s - 1500 min
- ☀️ 50 - 1200 Lux



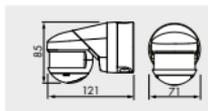
- Walking across
- Walking towards
- Anti-creep

Description	Colour	Part number
RC-plus next 230 KNX	white	92894
RC-plus next 230 KNX	black	92895
Accessory (optional)		
IR-PD-KNX	grey	92123
Outside corner socket for RC-plus next	white/ black	97004/ 97024
Inside corner socket for RC-plus next	white	97005
Wire basket BSK (Ø 164 x 143)	white	92467

LUXOMAT® RC-plus next 230 ZW



white

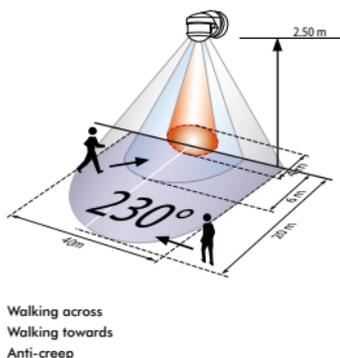


PRODUCT INFORMATION

- Wireless motion detector for the B.E.G. SMARTHOME system
- Bidirectional Z-wave wireless connection
- Additional relay for direct connection of loads
- Optional connection to MyControl for increased convenience
- Special optical system for detection of even the smallest movements
- Immediate operation using factory settings
- Depending on distance and place of installation, the use of additional repeaters may be necessary for a correct operation

TECHNICAL DATA

- ⚡ 110-240 V AC, 50 / 60 Hz
- 📐 230°
- 📏 max. 20 m when walking across (tangential)
- 📦 IP54 / Class II
- 🌡️ -15 °C to +50 °C
- 🛡️ Housing UV- and shock resistant polycarbonate
- 📡 IR-SMARTHOME
- Wireless channel**
- 📡 868,42 MHz / <10 mW - Wireless range max. 100 m
- 🕒 2 s - 30 min
- ☀️ 2 - 2000 Lux



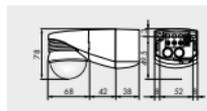
- Walking across
- Walking towards
- Anti-creep

Description	Colour	Part number
RC-plus next 230 ZW	white	92066
Accessory (optional)		
IR-SMARTHOME	grey	90162
Outside corner socket for RC-plus next	white	97004
Inside corner socket for RC-plus next	white	97005
Flush-mounted Powerline actuator	white	92805
Surface-mounted wireless actuator	white	92807
Plug-socket wireless repeater	white	92808
Flush-mounted wireless repeater	white	92820
Wire basket BSK (Ø 164 x 143)	white	92467

LUXOMAT® LC-plus 280



white

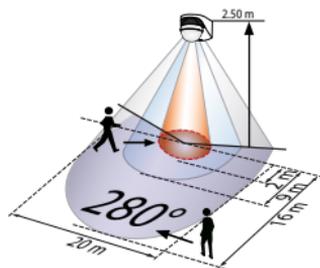


i PRODUCT INFORMATION

- Motion detector with 360° creep zone for gapless coverage
- Adjustable ball head
- Detection area can be restricted with blinds
- Special socket for external corner mounting included
- Simple socket mounting

■ TECHNICAL DATA

- ⚡ 110-240 V AC , 50 / 60 Hz
- 📐 280°
- 📏 max. 16 m when walking across (tangential)
- 🏠 IP44 / Class II
- 🌡️ -25°C to +50°C
- 🛡️ Housing UV- and shock resistant polycarbonate
- 🔦 IR-LC-plus, IR-LC-Mini
- Channel 1 (control the lighting)**
- 💡 2000 W, $\cos \varphi = 1$
- ⚡ 1000 VA, $\cos \varphi = 0.5$
- 🕒 15 s - 16 min or pulse
- ☀️ 10 - 2000 Lux



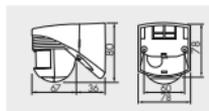
- 👤 Walking across
- 👤 Walking towards
- 👤 Anti-creep

Description	Colour	Part number
LC-plus 280	white	91008
LC-plus 280	brown	91018
LC-plus 280	black	91028
LC-plus 280	silver	91048
Accessory (optional)		
IR-LC-Mini	grey	92093
IR-LC-plus	grey	92095
Wire basket BSK (Ø 164 x 143)	white	92467

LUXOMAT® LC-Click-N 140



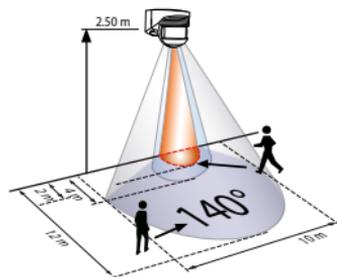
white


 PRODUCT INFORMATION

- Motion detector with 140° detection area and 180° creep zone
- Can be mounted on standard flush-mount boxes
- Adjustable ball head
- Detection area can be restricted with blinds
- Simple socket mounting

■ TECHNICAL DATA

-  110-240 V AC, 50 / 60 Hz
-  140°
-  max. 12 m when walking across (tangential)
-  IP44 / Class II
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
-  1000 W, $\cos \varphi = 1$
-  500 VA, $\cos \varphi = 0,5$
-  4 s - 20 min
-  2 - 2000 Lux



-  Walking across
-  Walking towards
-  Anti-creep

Description	Colour	Part number
LC-Click-N 140	white	91001
LC-Click-N 140	brown	91011
LC-Click-N 140	black	91021
Accessory (optional)		
Wire basket BSK (Ø 164 x 143)	white	92467

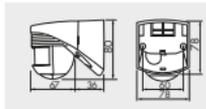
LUXOMAT® LC-Click-N 200



brown

black

white

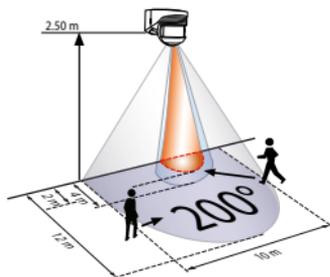


i PRODUCT INFORMATION

- Motion detector with 200° detection area and 180° creep zone
- Can be mounted on standard flush-mount boxes
- Adjustable ball head
- Detection area can be restricted with blinds
- Simple socket mounting

■ TECHNICAL DATA

- ⊖ 110-240 V AC , 50 / 60 Hz
- ☂ 200°
- 📏 max. 12 m when walking across (tangential)
- 📦 IP44 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- ⚡ 1000 W, $\cos \varphi = 1$
- ⚡ 500 VA, $\cos \varphi = 0,5$
- 🕒 4 s - 20 min
- ☀️ 2 - 2000 Lux



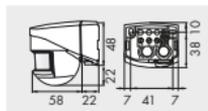
- 🟡 Walking across
- 🟢 Walking towards
- 🟠 Anti-creep

Description	Colour	Part number
LC-Click-N 200	white	91002
LC-Click-N 200	brown	91012
LC-Click-N 200	black	91022
Accessory (optional)		
Wire basket BSK (Ø 164 x 143)	white	92467

LUXOMAT® LC-Mini 120



white

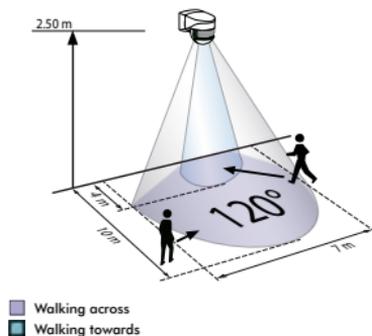


i PRODUCT INFORMATION

- User-friendly mini external motion detector with 120° detection area
- Adjustable ball head
- Detection area can be restricted with blinds

■ TECHNICAL DATA

- ⚡ 230 V AC +/- 10 %
- 📐 120°
- 📏 max. 10 m when walking across (tangential)
- 📏 IP44 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 📡 **Channel 1 (control the lighting)**
- 💡 1000 W, $\cos \varphi = 1$
- 💡 500 VA, $\cos \varphi = 0,5$
- 🕒 4 s - 10 min
- ☀️ 2 - 2000 Lux

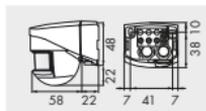


Description	Colour	Part number
LC-Mini 120	white	91051
LC-Mini 120	black	91071
Accessory (optional)		
Wire basket BSK (Ø 164 x 143)	white	92467

LUXOMAT® LC-Mini 180



white

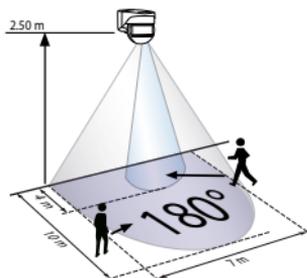


i PRODUCT INFORMATION

- User-friendly mini external motion detector with 180° detection area
- Adjustable ball head
- Detection area can be restricted with blinds

■ TECHNICAL DATA

- ⚡ 230 V AC +/- 10 %
- 📐 180°
- 📏 max. 10 m when walking across (tangential)
- 📦 IP44 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 📡 **Channel 1 (control the lighting)**
- ⚡ 1000 W, $\cos \varphi = 1$
- ⚡ 500 VA, $\cos \varphi = 0,5$
- 🕒 4 s - 10 min
- 🌙☀️ 2 - 2000 Lux



- Walking across
- Walking towards

Description	Colour	Part number
LC-Mini 180	white	91052
LC-Mini 180	black	91072
Accessory (optional)		
Wire basket BSK (Ø 164 x 143)	white	92467

Cover for B.E.G. motion detector

- LUXOMAT® RC-plus next (limitation of detection angle) – Part no. 32697

RC-plus next
with blinds

- LUXOMAT® LC-plus 280 – Part no. 32698



- 1 Anti-creep cover
- 2 Cover for near and remote zone
- 3 Remote zone cover

LC-plus 280
with blinds

- LUXOMAT® LC-Click-N – Part no. 32699 and LC-Mini – Part no. 33232

LC-Click-N
with blindsLC-Mini
with 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.

Arc-extinction kit for B.E.G. motion detectors

- LUXOMAT® Arc extinction kit – Part no. 10880



L 62 x W 39 x H 24 mm

- LUXOMAT® Mini-Arc extinction kit – Part no. 10882



L 50 x W 22 x H 10 mm

Installation instructions - RC suppressor:

- The RC suppressors supplied by B.E.G. provide any necessary suppression for your lighting installation. For technical reasons, voltage spikes when switching inductive loads (e.g. conventional ballasts), especially combined with long wiring runs, can lead to unexpected operation of ceiling or occupancy detectors.
- For large installations where many electronic ballasts are controlled in parallel, the use of RC suppressors is recommended. During installation, the proximity of sources of interference is important.
- The relevant circuit diagrams can be found from p. 139!

Wire basket B.E.G.

- LUXOMAT® Wire basket BSK – Part no. 92199



Ø 200 x 100 mm

For inside and outdoor use motion and
occupancy detectors

- LUXOMAT® Wire basket BSK – Part no. 92467



Ø 164 x 143 mm

For outdoor use motion detectors and for
PD4-TRIO-SM

LUXOMAT® Ceiling-mounted motion detectors for indoor use

■ Intelligent control –
Light through motion

For optimum light measurement

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 lag 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.

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

Occupancy detector	Page				Daylight appraisal	Motion detector	Remote controllable	Range	Additional function
PD3N-1C	22	92190	92196	92186	■	■	■	Ø 10 m	–
PD3N-1C-NO-PF	23	–	92576	–	■	■	■	Ø 10 m	–
PD3N-1C acoustic	24	92219	92184	–	■	■	■	Ø 10 m	With acoustic
PD3N-2C	25	–	92198	92188	■	■	■	Ø 10 m	–
PD3N-ZW	26	92072	92071	92067	■	■	■	Ø 10 m	Wireless detector
PD4N-1C	27	92144	92149	92151	■	■	■	Ø 24 m	–
PD4N-1CC	28	92270	92274	–	■	■	■	max. Ø 40 m	Corridor detectors
PD9-DIGI	29	–	92917	–	–	■	–	Ø 3 m	Installation in light fittings
PD9-1C	30	–	92902 – white 92903 – silver	–	■	■	–	Ø 10 m	Mini detector
PD9-1C-GH	31	–	92934 – white 92935 – silver	–	■	■	–	Ø 6 m	High elevations
PD9-1C-12-48V-FC	32	–	92985	–	■	■	–	Ø 10 m	12-48 V
HF-MD1	33	94401	–	–	■	■	–	max. Ø 16 m	HF detector
HF-MD1 ESL	33	94417	–	–	■	■	–	max. Ø 16 m	HF detector
HF-MD2	34	94402	–	–	■	■	–	max. Ø 16 m	HF detector

Practical tips

General:

- Do not install detectors near air conditioning units and heaters.
- Install them a suitable distance away from any light fitting, as the light fitting is also a source of heat and its temperature can influence the detector.

1-channel or 2-channel motion detectors:

- Artificial lighting is only switched on if there is insufficient daylight. It remains on until no more movements are detected and lag time completed.



Infrared photograph

Overview of range versus mounting height

PD3N- and PD9 motion detector

Range (circular detection) T=18°C			
Mounting height	Smaller movements	Walking across	Walking towards
2.00 m	r=1.60 m	r=4.00 m	r=2.50 m
2.50 m	r=2.00 m	r=5.00 m	r=3.00 m
3.00 m	r=2.40 m	r=6.00 m	r=3.70 m
3.50 m	-	r=7.00 m	r=4.30 m
4.00 m	-	r=8.00 m	r=4.80 m
4.50 m	-	r=9.00 m	r=5.40 m
5.00 m	-	r=10.00 m	r=6.00 m

PD4N motion detector

Range (circular detection) T=18°C			
Mounting height	Smaller movements	Walking across	Walking towards
2.00 m	r=2.60 m	r=8.50 m	r=3.20 m
2.50 m	r=3.20 m	r=12.00 m	r=4.00 m
3.00 m	r=3.80 m	r=14.50 m	r=4.80 m
3.50 m	r=4.50 m	r=17.00 m	r=5.50 m
4.00 m	-	r=19.50 m	r=6.80 m
4.50 m	-	r=22.00 m	r=7.20 m
5.00 m	-	r=24.00 m	r=8.00 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=5.40 m
10.00 m	Ø=6.00 m

Ø=diameter

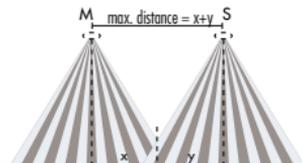
r=radius

Detector positioning



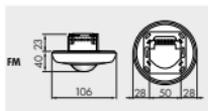
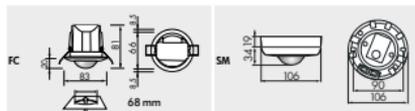
Maximum motion detection is achieved by walking across the detection area, not by walking towards it. This should be borne in mind when it comes to corridors.

Detector distance



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

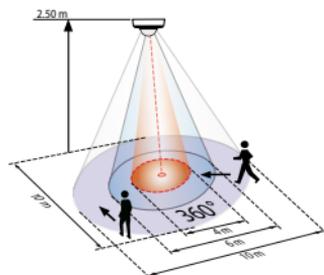
LUXOMAT® PD3N-1C-SM/-FM/-FC


PRODUCT INFORMATION

- Remote controlled ceiling motion detector
- One switching channel for operating the light
- Special optical system for detection of even the smallest movements
- Alarm pulse: protected triggering only if there are three movements recognised within 9 seconds

■ TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- SM= IP44 FC= IP23 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 30 s - 30 min or pulse
- 10 - 2000 Lux



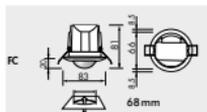
- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
PD3N-1C-FC	white	92196
PD3N-1C-SM	white	92190
PD3N-1C-FM	white	92186
Accessory (optional)		
IR-PD-Mini	grey	92159
IR-PD3N	grey	92105
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD3N-1C-NO-PF-FC



FC



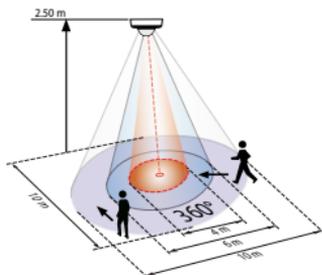
FC

■ TECHNICAL DATA

- 110 - 240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- FC= IP23 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 30 s - 30 min or pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

- Remote controlled ceiling motion detector
- One dry contact
- Special optical system for detection of even the smallest movements
- Additional functions can be set via optional remote control
- Alarm pulse: protected triggering only if there are three movements recognised within 9 seconds



- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
PD3N-1C-NO-PF-FC	white	92576
Accessory (optional)		
IR-PD-Mini	grey	92159
IR-PD3N	grey	92105
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD3N-1C-SM/-FC Acoustic

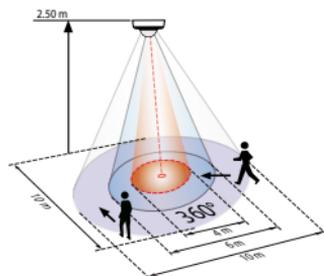


■ TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 small movements
- SM= IP44 FC= IP23 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 30 s - 30 min or pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

- Remote controlled ceiling motion detector with integrated acoustic sensor
- One switching channel for operating the light
- Special optical system for detection of even the smallest movements
- Alarm pulse: protected triggering only if there are three movements recognised within 9 seconds



- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
PD3N-1C-FC Acoustic	white	92184
PD3N-1C-SM Acoustic	white	92219
Accessory (optional)		
IR-PD3N	grey	92105
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199

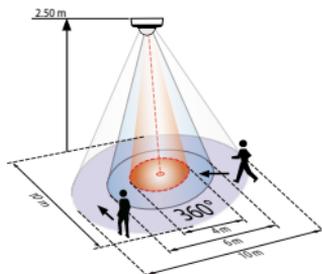
LUXOMAT® PD3N-2C-FC/-FM

■ TECHNICAL DATA

- ⌚ 110-240 V AC , 50 / 60 Hz
- ☂ 360°
- ⊘ 10 m across
- ➡ ⊘ 6 m towards
- ⊘ 4 small movements
- IP FC= IP23 FM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 🔦 IR-PD-Mini, IR-PD3N-2C
- Channel 1 (control the lighting)**
- ⚡ 2300 W, $\cos \varphi = 1$
- ⚡ 1150 VA, $\cos \varphi = 0.5$
- ⌚ 30 s - 30 min or pulse
- ☀ 10 - 2000 Lux
- Channel 2 (control HVAC potential free)**
- ⚡ Dry contact type NO 3A, 230 V, $\cos \varphi = 1$
- ⌚ 5 - 120 min

ⓘ PRODUCT INFORMATION

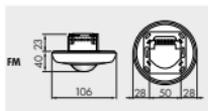
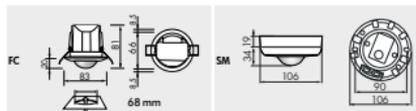
- Remote controlled ceiling motion detector
- One switching channel for operating the light
- One potential-free contact for HVAC



- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
PD3N-2C-FC	white	92198
PD3N-2C-FM	white	92188
Accessory (optional)		
IR-PD3N-2C	grey	92115
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD3N-SM/-FC/-FM-ZW

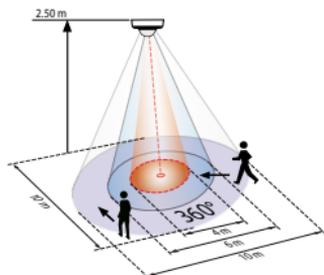


PRODUCT INFORMATION

- Remote controlled ceiling motion detector
- Wireless motion detector for the B.E.G. SMARTHOME system
- Bidirectional Z-wave wireless connection
- Additional relay for direct connection of loads
- Optional connection to MyControl for increased convenience
- Depending on distance and place of installation, the use of additional repeaters may be necessary for a correct operation
- Immediate operation using factory settings

TECHNICAL DATA

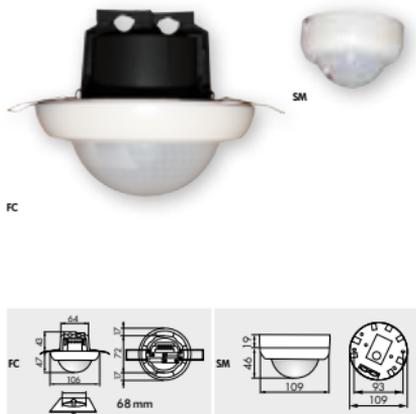
- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 small movements
- SM= IP44 FC= IP23 FM= IP20 / Class II
- 15 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-SMARTHOME
- Wireless channel**
- 868,42 MHz / < 10 mW
- 30 s - 30 min
- 10 - 2000 Lux



- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
PD3N-FC-ZW	white	92071
PD3N-SM-ZW	white	92072
PD3N-FM-ZW	white	92067
Accessory (optional)		
IR-SMARTHOME	grey	90162
Flush-mounted Powerline actuator	white	92805
Surface-mounted wireless actuator	white	92807
Plug-socket wireless repeater	white	92808
Flush-mounted wireless repeater	white	92820
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4N-1C-C-SM/-FC

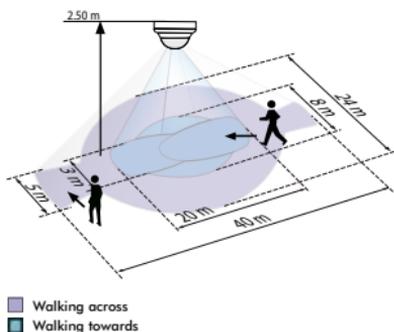


■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 40 m across
- Ø 20 m towards
- Mandatory mounting height
2.4 m - 2.6 m
- SM= IP44 FC= IP23 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 30 s - 30 min or pulse
- 10 - 2000 Lux

PRODUCT INFORMATION

- Ceiling motion detector designed for corridors
- One switching channel for operating the light
- Special optical system for detection of even the smallest movements



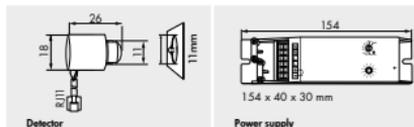
- Walking across
- Walking towards

Description	Colour	Part number
PD4N-1C-C-FC	white	92274
PD4N-1C-C-SM	white	92270
Accessory (optional)		
IR-PD3N	grey	92105
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD9-DIGI-FC



Size comparison



Detector

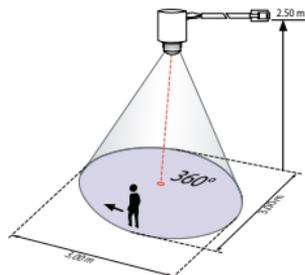
Power supply

i PRODUCT INFORMATION

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

■ TECHNICAL DATA

- ⚡ 230 V AC +/- 10 %
- 📡 360°
- 📏 max. Ø 3 m
- 📦 IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 🛡️ Housing UV- and shock resistant polycarbonate
- 📏 45 cm (screened)
- Channel 1 (control the lighting)**
- 💡 1000 W, cos φ = 1
- ⚡ 500 VA, cos φ = 0.5
- 🕒 30 s - 30 min or pulse



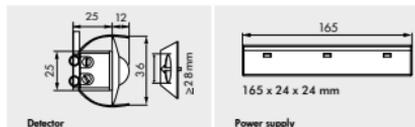
■ Walking across

Description	Colour	Part number
PD9-DIGI-FC	-	92917

LUXOMAT® PD9-1C-FC



Size comparison



Detector

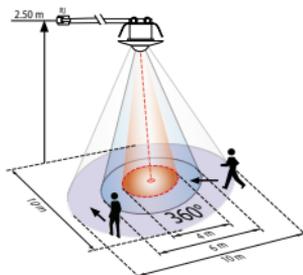
Power supply

PRODUCT INFORMATION

- Mini-motion detector for indoor use
- One switching channel for operating the light
- Easy installation on unit
- Power unit passes through hole in ceiling for sensor
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blinds

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 small movements
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- Channel 1 (control the lighting)**
- 1000 W, $\cos \varphi = 1$
- 500 VA, $\cos \varphi = 0.5$
- 30 s - 30 min or pulse
- 10 - 2000 Lux

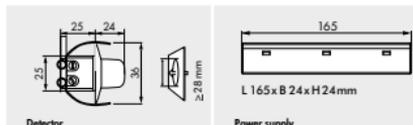


- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
PD9-1C-FC	white	92902
PD9-1C-FC	silver	92903
Accessory (optional)		
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-1C-GH-FC

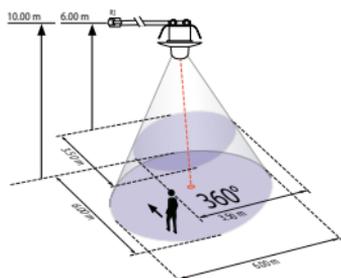

„Size comparison“


i PRODUCT INFORMATION

- Mini-motion detector designed for high-bay warehouses
- One switching channel for operating the light
- Easy installation on unit
- Power unit passes through hole in ceiling for sensor
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blinds

■ TECHNICAL DATA

- ⚡ 110-240 V AC , 50 / 60 Hz
- ☂ 360°
- 📏 max. Ø 6 m
- 📦 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 🛡 Housing UV- and shock resistant polycarbonate
- 📏 45 cm (screened)
- Channel 1 (control the lighting)**
- 💡 1000 W, $\cos \varphi = 1$
- ⚡ 500 VA, $\cos \varphi = 0.5$
- 🕒 30 s - 30 min or pulse
- ☀ 10 - 2000 Lux



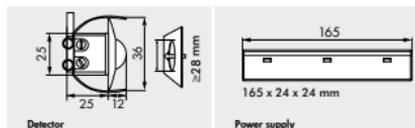
■ Walking across

Description	Colour	Part number
PD9-1C-GH-FC	white	92934
PD9-1C-GH-FC	silver	92935
Accessory (optional)		
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-1C-12-48V-FC



Size comparison



Detector

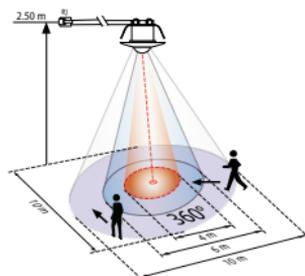
Power supply

PRODUCT INFORMATION

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

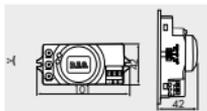
TECHNICAL DATA

- 12 - 48 V AC/DC
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- FC= IP20 / Class II
- 25°C to +50°C
- Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting potential free)**
- 1000 W, $\cos \varphi = 1$
- 30 s - 30 min or pulse
- 10 - 2000 Lux



- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
PD9-1C-12-48V-FC	white	92985
Accessory (optional)		
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

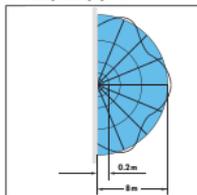
LUXOMAT® HF-MD1

i PRODUCT INFORMATION

- High frequency motion detector, designed for surface mount and installation in lights
- Temperature-independent detection
- Detection can be made through various materials
- Range, twilight setting and light-on time set via dials

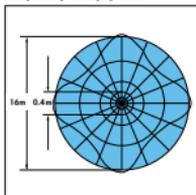
■ TECHNICAL DATA

- ⚡ 230 V AC +/- 10 %
- ☂ 360°
- 📏 max. Ø 0,4 - 16 m
- 📦 IP20 / Class II
- 🌡 -15 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- ⚡ 1200 W, cos φ = 1
- 🕒 **HF-MD1** 5 s - 15 min
- 🕒 **HF-MD1 ESL** (for use with fluorescent lamps) 5 min - 15 min
- ☀ 2 - 2000 Lux

Wall mounting (Mounting height 2.20 m)



Ceiling mounting (Mounting height 2.50 m)



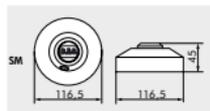
- Walking across or towards
- The range depends on size and speed of the object.

Description	Colour	Part number
HF-MD1	white	94401
HF-MD1 ESL	white	94417

LUXOMAT® HF-MD2-SM



SM



SM

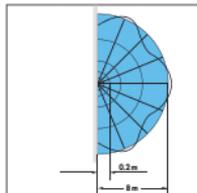
 PRODUCT INFORMATION

- High frequency motion detector, designed for surface mount
- Temperature-independent detection
- Detection can be made through various materials
- Range, twilight setting and light-on time set via dials

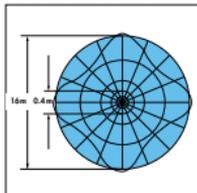
■ TECHNICAL DATA

-  230 V AC +/- 10 %
-  360°
-  max. Ø 0,4 - 16 m
-  IP20 / Class II
-  -15 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
-  1200 W, cos φ = 1
-  5 s - 15 min
-  2 - 2000 Lux

Wall mounting (Mounting height 2.20m)



Ceiling mounting (Mounting height 2.50m)



- Walking across or towards
The range depends on size and speed of the object.

Description	Colour	Part number
HF-MD2-SM	white	94402
Accessory (optional)		
Wire basket BSK (Ø 200 x 100)	white	92199

Cover for B.E.G. motion detector

- LUXOMAT® PD3N-SM+FC+FM – Part no. 37367**



The blinds have nominal breaks at regular distance. The detection area can therefore be accurately adapted to your needs.



PD3N-SM
with blinds

- LUXOMAT® PD4-SM+FC+FM-version – Part no. 92313**



The blinds have nominal breaks at regular distance. The detection area can therefore be accurately adapted to your needs.



Example
PD4-FM



PD4-FM
with blinds

- LUXOMAT® Mini motion detector PD9 – Part no. 32702**



PD9-FC



PD9-FC
with blinds

- LUXOMAT® Mini motion detector PD9-GH for great heights – Part no. 33207**



PD9-GH-FC



PD9-GH-FC
with 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.

Arc-extinction kit for B.E.G. motion detectors

- LUXOMAT® Arc extinction kit – Part no. 10880**



L 62 x W 39 x H 24 mm

- LUXOMAT® Mini-Arc extinction kit – Part no. 10882**



L 50 x W 22 x H 10 mm

Installation instructions - RC suppressor:

- The RC suppressors supplied by **B.E.G.** provide any necessary suppression for your lighting installation. For technical reasons, voltage spikes when switching inductive loads (e.g. conventional ballasts), especially combined with long wiring runs, can lead to unexpected operation of ceiling or occupancy detectors.
- For large installations where many electronic ballasts are controlled in parallel, the use of RC suppressors is recommended. During installation, the proximity of sources of interference is important.
- The relevant circuit diagrams can be found from p. 139!

Wire basket B.E.G.

- LUXOMAT® Wire basket BSK – Part no. 92199**



Ø 200 x 100 mm

For inside and outdoor use motion and occupancy detectors

- LUXOMAT® Wire basket BSK – Part no. 92467**



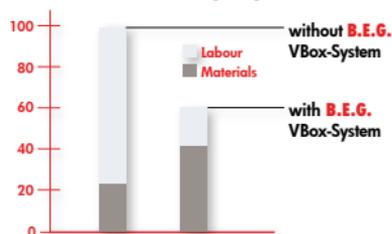
Ø 164 x 143 mm

For outdoor use motion detectors and for PD4-TRIO-SM

Modules for pre-wired ceiling-mounted motion detectors

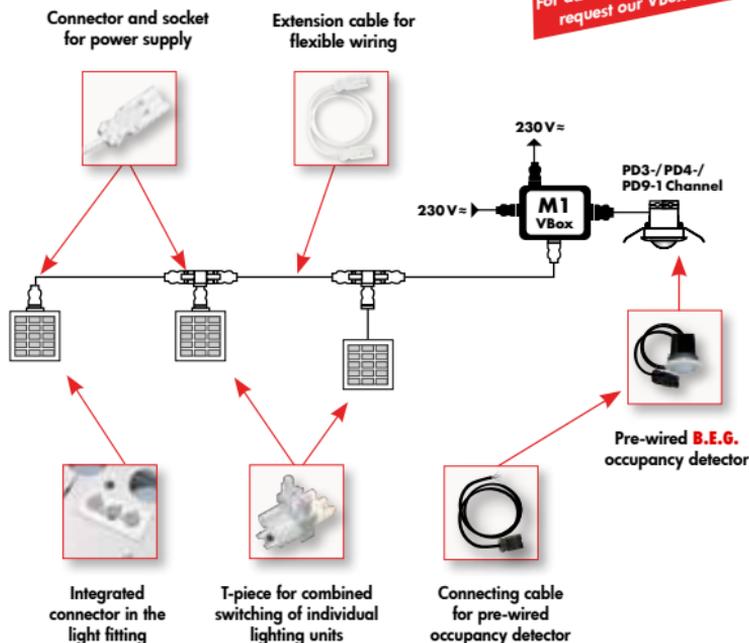


COST COMPARISON [in %]



- Fast, safe, error-free installation
- Easy connection
- Can be easily reconnected in the event of subsequent changes to the application – flexibility now and in the future
- Cost-efficient
 - » Up to 70 % savings on labour costs
 - » Up to 30 % savings on labour + materials

For additional information, please request our VBox catalogue



LUXOMAT® Occupancy detectors for interior ceiling and wall mounting



■ Energy saving made easy –
using B.E.G. occupancy detectors

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. Conventional motion detectors cannot measure the artificial light that they control, but occupancy detectors can.

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.

Occupancy detector	Page				Clip	Daylight appraisal	Motion detector	Remote controllable	Range	Additional functions
Switching with 1 or 2-channel Master with daylight detection										
PD2-M-1C	42	92550	92565	92555	-	*	*	*	Ø 10 m	-
PD4-M-1C	43	92580	92585	92575	-	*	*	*	Ø 24 m	-
PD4-M-1C-C	44	92587	92586	-	-	*	*	*	Ø 40 m	-
PD4-M-1C-C-PS	45	92485	92480	-	-	*	*	*	Ø 40 m	NC contact
PD4-M-1C-GH	46	92245	-	-	-	*	*	*	Ø 44 m	High elevations
PD5-M-1C-Clip	47	-	-	-	92315	*	*	*	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-M-1C	48	-	92900 – white 92901 – silver	-	-	*	*	*	Ø 10 m	Mini detector
PD9-M-1C-GH	49	-	92923 – white 92925 – silver	-	-	*	*	*	Ø 6 m	High elevations
PD9-M-1C-SDB-IP65	50	-	92912 – white 92913 – silver	-	-	*	*	*	Ø 10 m	Mini detector
PD9-M-1C-SDB-IP65-GH	51	-	92931 – white 92932 – silver	-	-	*	*	*	Ø 6 m	High elevations
PKO-M-1C	52	-	92712	-	-	*	*	*	Ø 10 m	Mini detector IP65
PD11-M-1C	53	-	92583	-	-	*	*	*	Ø 9 m	Super flat
PD1N-M-2C	54	92877	92874	92870	-	*	*	*	7.50 x 7.50 m	Square area
PD2-M-2C	55	92150	92165	92155	-	*	*	*	Ø 10 m	-
PD4-M-2C	56	92140	92148	92255	-	*	*	*	Ø 24 m	-
PD4-M-2C-C	57	92440	92143	92443	-	*	*	*	max. Ø 40 m	Corridor detector
PD9-M-1C+HVAC	58	-	92976	-	-	*	*	*	Ø 10 m	with HVAC channel
PD4-M-2C-DUO	59	92158	92251	92252	-	*	*	*	Ø 24 m	DUO detector
PD4-M-2C-DS	60	-	92760	-	-	*	*	*	Ø 24 m	2 phases for 2 circuits
PD4-M-TRIO-3P	61	-	92749	-	-	*	*	*	Ø 24 m	3 phases for 3 circuits
PD4-M-TRIO-C-3P	62	-	92746	-	-	*	*	*	Ø 40 m	3 phases for corridor detectors
PD4-M-3C-TRIO	63	92740	92745	-	-	*	*	*	Ø 24 m	Additional channel for board lighting

Dimming with 1 or 2-channel Master with daylight detection

PD1N-M-DIM	64	92879	92876	92873	-	*	*	*	7.50 x 7.50 m	Square area
PD2-M-DIM	65	92153	92167	92157	-	*	*	*	Ø 10 m	-
PD4-M-DIM	66	92147	92247	92248	-	*	*	*	Ø 24 m	-
PD4-M-DIM-C	67	92218	92217	-	-	*	*	*	max. Ø 40 m	Corridor detector
PD5-M-DIM-Clip	68	-	-	-	92310	*	*	*	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-M-DIM	69	-	92910 – white 92911 – silver	-	-	*	*	*	Ø 10 m	Mini detector
PD9-M-DIM-GH	70	-	92924 – white 92927 – silver	-	-	*	*	*	Ø 6 m	High elevations
PD4-M-DIM-HVAC	71	-	92507	-	-	*	*	*	Ø 24 m	with HVAC channel
PD9-M-DIM+HVAC	72	-	92973	-	-	*	*	*	max. Ø 10 m	with HVAC channel
PD4-M-DUO-DIM	73	92271	92272	92273	-	*	*	*	Ø 24 m	DUO detector
PD4-M-TRIO-DIM	74	92730	92735	-	-	*	*	*	Ø 24 m	Additional channel for board lighting

Occupancy detector for DALI/DSI

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
PD9-M-DALI/DSI	78	-	92920	-	-	*	*	*	Ø 10 m	Mini detector
PD9-M-DALI/DSI-GH	79	-	92938	-	-	*	*	*	Ø 6 m	High elevations
PD2-M-DALI/DSI-1C	80	-	92486	-	-	*	*	*	Ø 10 m	with HVAC channel
PD2-M-DALI/DSI-HVAC	81	-	92698	-	-	*	*	*	Ø 10 m	with HVAC channel / potential free

Occupancy detector	Page				Clip	Daylight appraisal	Motion detector	Remote controllable	Range	Additional functions
PD4-M-DALI/DSI-1C	82		92488						Ø 24 m	with HVAC channel
PD4-M-DALI/DSI-HVAC	83	-	92699	-	-	*	*	*	Ø 24 m	with HVAC channel / potential free
PD4-M-DUO-DALI/DSI	84	-	92276	-	-	*	*	*	Ø 24 m	DUO detector
PD4-M-TRIO-DALI	85	92750	92755	-	-	*	*	*	Ø 24 m	TRIO detector
PD4-M-TRIO-2DALI/DSI-1C	86	92751	92756	-	-	*	*	*	Ø 24 m	TRIO detector with HVAC channel and board lighting

Cost-effective extension of detection area with Slave occupancy detectors

PD1N-S	87	92878	92875	92872	-	-	*	-	7.50 x 7.50 m	Square area
PD2-S	88	92152	92166	92156	-	-	*	-	Ø 10 m	-
PD4-S	89	92142	92254	92163	-	-	*	-	Ø 24 m	-
PD4-S-C	90	92442	92444	92445	-	-	*	-	max. Ø 40 m	Corridor detector
PD4-S-GH	91	92265	-	-	-	-	*	-	Ø 44 m	High elevations
PD5-S	92	-	-	-	92316	-	*	-	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-S	93	-	92905 – white 92906 – silver	-	-	-	*	-	Ø 10 m	Mini detector
PD9-S-GH	94	-	92928 – white 92929 – silver	-	-	-	*	-	Ø 6 m	High elevations
PICO-S	95	-	92700	-	-	-	*	-	Ø 10 m	-
PD11-S	96	-	-	-	-	-	-	-	-	super flat
PD9-S-SDB	50	-	92915	-	-	-	*	-	Ø 10 m	Mini detector
PD9-S-SDB-GH	51	-	92933	-	-	-	*	-	Ø 6 m	High elevations

11-48V-Occupancy detector

PD2M2C-11-48V-3A	97	92154	92164	-	-	*	*	*	Ø 24 m	3 A version
PD2M2C-11-48V-RR	97	92305	92306	-	-	*	*	*	Ø 24 m	with reed relays
PD2N-LTMS	98	-	92113	-	-	*	*	*	Ø 10 m	Output of the values as analog voltage

Occupancy detectors for KNX BUS for switching or dimming

PD2KNX	99	92880	92881	92882	-	*	*	-	Ø 10 m	For dimming
PD4-KNX	100	92883	92884	92885	-	*	*	-	Ø 24 m	For dimming
PD4-KNX-GH	101	92889	-	-	-	*	*	-	Ø 44 m	High elevations
PD4-KNX-C	102	92886	92887	92888	-	*	*	-	max. Ø 40 m	For dimming
PD9-KNX	103	-	92890	-	-	*	*	-	Ø 10 m	For dimming
PD9-KNX-GH	104	-	92891	-	-	*	*	-	Ø 6 m	High elevations
PD11-KNX-FLAT	105	-	92893	-	-	*	*	-	Ø 8 m	For dimming

Occupancy detector for LON-BUS

PD2LON	106	92300	92301	-	-	*	*	*	Ø 10 m	-
PD9-LON	107	-	92930	-	-	*	*	*	Ø 10 m	Mini detector

General

- Unlike motion detectors these can also switch off lighting if there is sufficient daylight, because of their advanced mixed lighting detection (the principle on which occupancy detectors are based).
- Do not install detectors near air-conditioning units or radiators.
- Ensure a suitable distance from lights, which also represent a heat source. Their temperature can influence the sensor.
- Alarm pulse: The detector only triggers when at least 3 movements are recorded within 10 seconds

Master occupancy detector

- Master units must not be connected in parallel – extend the detection area with cost-effective slave units.
- Always position master unit as light controller at the darkest point in the room.

Master 2-channel occupancy detector

- Time delay of 5 min. for light-on time > 15 min.
- In automatic mode, artificial light is switched off for energy saving when there is sufficient daylight.

DIM- and DALI occupancy detector

- Cost-effective and simple way to create a constant light control circuit with dimming – settings via remote control.
- With the DIM range, the mounting position must be chosen with reference to the lighting level – the position must be such that only artificial light is detected, which is controlled by the DIM sensor itself.

DUO occupancy detector

- Presence detection of people from the smallest movements in both lighting areas. Its two directional light sensors simultaneously measure brightness in two different areas of the room independently of each other (e.g. areas near to and far from the window) and compare them with both pre-set light level trigger values.
- There are two switching channels as on the DIM unit, but without light control and independent buttons per lighting area.

- Two dimming channels dim and switch on lighting when people are present and when there is not enough light, and switch it off when no people are present or there is enough light. Manual light dimming with common control. Lighting control takes place independently.
- Settings can be made manually or by remote control for each channel, separately or both together

TRIO occupancy detector

- In addition to the functionality of a DUO occupancy detector, TRIO occupancy detectors have a third output. This can optionally be used to control an additional lighting circuit (see illustration).

Corridor occupancy detector

- The increased range of 20 metres on each side can only be achieved in one axis, which should be the same as the direction of the corridor. Important: After mounting, the lens must be reattached in accordance with the outer marking. If reattached wrongly, optimal range cannot be achieved.
- For angles of $\pm 80^\circ$ to this axis, the standard PD4 range applies

PD9 occupancy detector

- Because of the smaller size of the lens, volumetric sensitivity of this occupancy detector is smaller than that of the PD1N to PD5 series, since the PD9 has fewer lens segments.

Overview of range versus mounting height

PD1N occupancy detector

Range (square) T=18°C		
Mounting height	Seated activity	Walking across
2.00m	(3.10 x 3.10) m ²	-
2.50m	(4.20 x 4.20) m ²	(7.50 x 7.50) m ²
3.00m	(6.10 x 6.10) m ²	(8.90 x 8.90) m ²
3.50m	(7.50 x 7.50) m ²	(10.50 x 10.50) m ²
4.00m	-	(11.50 x 11.50) m ²
4.50m	-	(13.40 x 13.40) m ²

PD4 occupancy detector

Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00m	r=2.60m	r=8.50m	r=3.20m
2.50m	r=3.20m	r=12.00m	r=4.00m
3.00m	r=3.80m	r=14.50m	r=4.80m
3.50m	r=4.50m	r=17.00m	r=5.50m
4.00m	-	r=19.50m	r=6.80m
4.50m	-	r=22.00m	r=7.20m
5.00m	-	r=24.00m	r=8.00m
10.00m	-	r=24.00m	r=8.00m

PD4-GH occupancy detector

Range (oval detection) T=17°C		
Mounting height	Walking across	
5.00m	r=18.50m	Ø=37.00m
6.00m	r=18.50m	Ø=37.00m
7.00m	r=18.50m	Ø=37.00m
8.00m	r=22.00m	Ø=44.00m
9.00m	r=22.00m	Ø=44.00m
10.00m	r=22.00m	Ø=44.00m

Ø = diameter
r = radius

PD2- and PD9 occupancy detector

Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00m	r=1.60m	r=4.00m	r=2.50m
2.50m	r=2.00m	r=5.00m	r=3.00m
3.00m	r=2.40m	r=6.00m	r=3.70m
3.50m	-	r=7.00m	r=4.30m
4.00m	-	r=8.00m	r=4.80m
4.50m	-	r=9.00m	r=5.40m
5.00m	-	r=10.00m	r=6.00m

PD9-GH occupancy detector

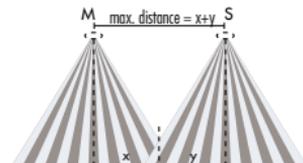
Range (circular detection) T=18°C	
Mounting height	Walking across
5.00 m	Ø=3.00 m
6.00 m	Ø=3.50 m
7.00 m	Ø=4.20 m
8.00 m	Ø=4.80 m
9.00 m	Ø=5.40 m
10.00 m	Ø=6.00 m

Detector positioning



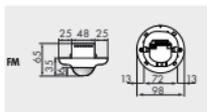
Maximum motion detection is achieved by walking across the detection area, not by walking towards it. This should be borne in mind when it comes to corridors.

Detector distance



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

LUXOMAT® PD2-M-1C-SM/-FC/-FM

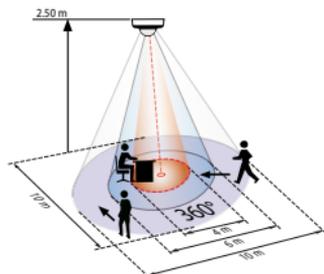


PRODUCT INFORMATION

- Occupancy detector with potential-free contact
- Installation as Master
- One switching channel for operating the light
- Detection area can be extended with Slave units
- Push button manual switching available
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- SM= IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1**
(control the lighting potential free)
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux



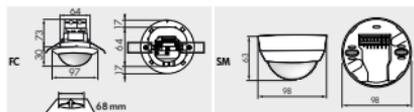
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-M-1C-FC	white	92565
PD2-M-1C-SM	white	92550
PD2-M-1C-FM	white	92555
Accessory (optional)		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-1C-SM/-FC/-FM

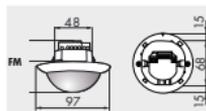


FC



FC

SM



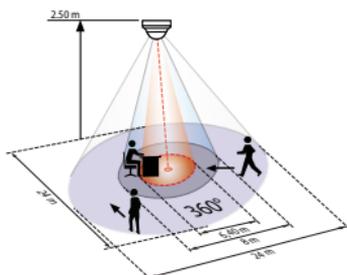
FM

PRODUCT INFORMATION

- Occupancy detector with extended detection area
- One potential-free contact
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching available
- Additional functions can be set via optional remote control

■ TECHNICAL DATA

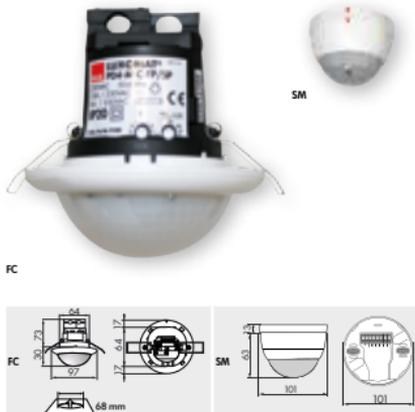
- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m seated
- SM= IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1**
(control the lighting potential free)
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-1C-FC	white	92585
PD4-M-1C-SM	white	92580
PD4-M-1C-FM	white	92575
Accessory (optional)		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-AP	white	92375

LUXOMAT® PD4-M-1C-C-SM/-FC

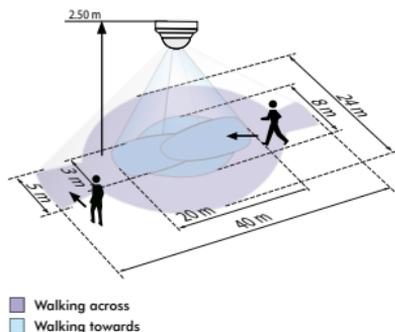


■ TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 40 m across
Ø 20 m towards
- Mandatory mounting height
2.4 m - 2.6 m
- SM= IP54 FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1
(control the lighting potential free)**
- 2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux

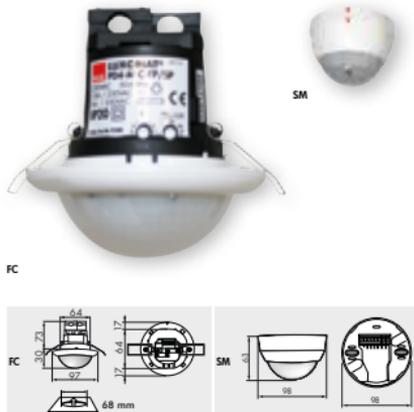
❗ PRODUCT INFORMATION

- Occupancy detector designed for corridors
- One potential-free contact
- Installation as Master
- One switching channel for operating the light
- Detection area can be extended with Slave units
- Push button manual switching available
- Additional functions can be set via optional remote control



Description	Colour	Part number
PD4-M-1C-C-FC	white	92586
PD4-M-1C-C-SM	white	92587
Accessory (optional)		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
SM-Socket for SM-devices	white	92376

LUXOMAT® PD4-M-1C-C-PS-SM/-FC

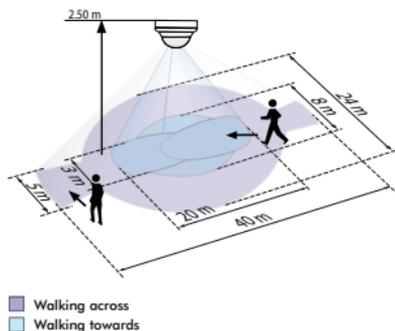


■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 40 m across
Ø 20 m towards
- Mandatory mounting height
2.4 m - 2.6 m
- IP SM= IP54 FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

- Occupancy detector with NC contact
- Guarantees illumination even if sensor fails
- Designed for corridors
- Installation as Master
- One switching channel for operating the light
- Detection area can be extended with Slave units
- Push button manual switching available
- Additional functions can be set via optional remote control



Description	Colour	Part number
PD4-M-1C-C-PS-FC	white	92480
PD4-M-1C-C-PS-SM	white	92485
Accessory (optional)		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
SM-Socket for SM-devices	white	92376

LUXOMAT® PD4-M-1C-GH-SM



SM



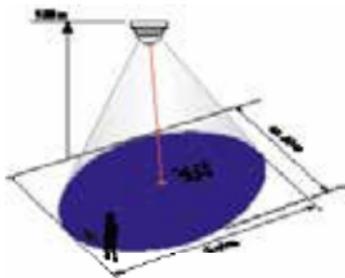
SM

 PRODUCT INFORMATION

- Occupancy detector designed for high-bay warehouses
- One potential-free contact
- Installation as Master
- One switching channel for operating the light
- Detection area can be extended with Slave units
- Simple operation with remote control (required)
- Push button manual switching available

■ TECHNICAL DATA

-  110-240 V AC , 50 / 60 Hz
-  oval 360°
-  Ø 44 m towards
-  SM= IP20 / Class II
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD-Mini, IR-PD-GH-LD
- Channel 1**
(control the lighting potential free)
-  2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
-  15 s - 30 min or pulse
-  10 - 2000 Lux

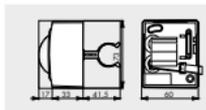

 Walking across

Description	Colour	Part number
PD4-M-1C-GH-SM	white	92245
Accessory (optional)		
IR-PD-Mini	grey	92159
IR-PD-LD (necessary)	grey	92479
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-AP	white	92375

LUXOMAT® PD5-M-1C-Clip



Clip

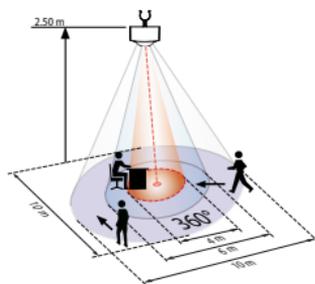


i PRODUCT INFORMATION

- Occupancy detector for use with T5 and T8 fluorescent lamps
- Installation as Master
- One switching channel for operating the light
- Additional functions can be set via optional remote control
- Push button manual switching available
- Detection area can be extended with Slave units

■ TECHNICAL DATA

- ⊖ 230 V AC +/- 10 %
- ☂ 360°
- ⊘ 10 m across
- ➔ ⊘ 6 m towards
- ⊘ 4 m seated
- IP IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 📏 100 cm
- 📱 IR-PD, IR-PD-Mini
- Channel 1 (control the lighting)**
- 💡 2300 W, $\cos \varphi = 1$
- 💡 1150 VA, $\cos \varphi = 0.5$
- 🕒 15 s - 30 min or pulse
- 🌙☀ 10 - 2000 Lux



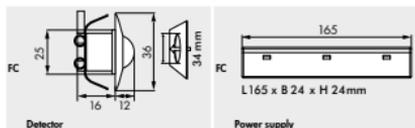
- 🟦 Walking across
- 🟩 Walking towards
- 🟠 Seated activity

Description	Colour	Part number
PD5-M-1C-Clip	white	92315
Accessory (optional)		
IR-PD	grey	92160
IR-PD-Mini	grey	92159

LUXOMAT® PD9-M-1C-FC



„Size comparison“



Detector

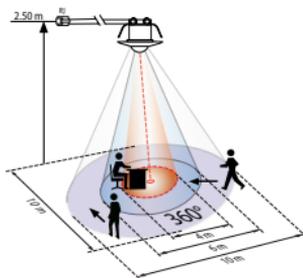
Power supply

PRODUCT INFORMATION

- Mini-occupancy detector, Master version
- Installation as Master
- One switching channel for operating the light
- Detection area can be extended with Slave units
- Push button manual switching available
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Simple operation with remote control (required)
- Power unit passes through hole in ceiling for sensor
- Includes 45 mm cover ring and blinds

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PD-Mini, IR-PD-1C
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 5 - 30 min or pulse
- 10 - 2000 Lux



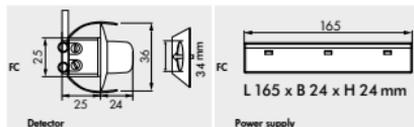
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-M-1C-FC	white	92900
PD9-M-1C-FC	silver	92901
Accessory (optional)		
IR-PD-1C (necessary)	grey	92520
IR-PD-Mini	grey	92159
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-M-1C-GH-FC



„Size comparison“

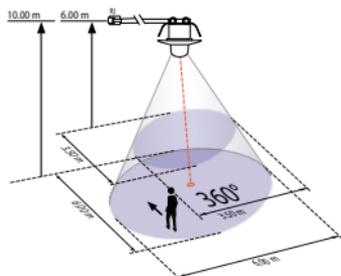


PRODUCT INFORMATION

- Mini-occupancy detector, Master version, designed for high-bay warehouses
- One switching channel for operating the light
- Detection area can be extended with Slave units
- Push button manual switching available
- Power unit passes through hole in ceiling for sensor
- Simple operation with remote control (required)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- max. Ø 6 m
- IP FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PD-Mini, IR-PD-1C
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
- 5 - 30 min or pulse
- 10 - 2000 Lux



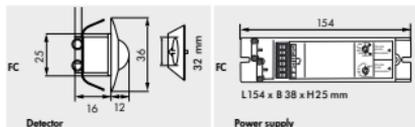
Walking across

Description	Colour	Part number
PD9-M-1C-GH-FC	white	92923
PD9-M-1C-GH-FC	silver	92925
Accessory (optional)		
IR-PD-1C (necessary)	grey	92520
IR-PD-Mini	grey	92159
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-M-1C-SDB-IP65-FC



Size comparison

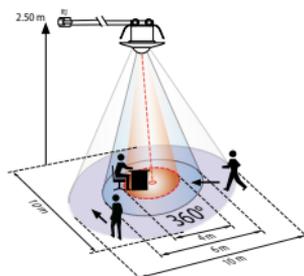


PRODUCT INFORMATION

- Mini-occupancy detector designed for high-humidity locations
- Installation as Master
- One potential-free contact
- One switching channel for operating the light
- One additional SDB sensor can be directly connected
- Includes blinds
- Additional functions can be set via optional remote control
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings

TECHNICAL DATA

- 230 V AC +/- 10 %
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC = IP65 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 350 cm (screened)
- IR-PD-Mini, IR-PD9
- Channel 1**
(control the lighting potential free)
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min
- 10 - 2000 Lux



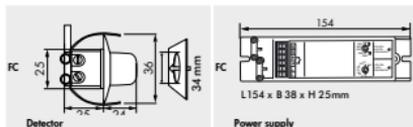
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-M-1C-SDB-IP65-FC	white	92912
PD9-M-1C-SDB-IP65-FC	silver	92913
Accessory (optional)		
IR-PD9	grey	92201
IR-PD-Mini	grey	92159
PD9-S-SDB-FC	white	92915

LUXOMAT® PD9-M-1C-SDB-IP65-GH-FC



„Size comparison“

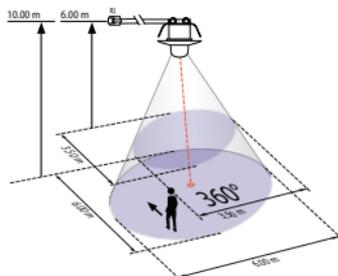


i PRODUCT INFORMATION

- Mini-occupancy detector designed for high-humidity locations with high ceilings
- Installation as Master
- One potential-free contact
- One switching channel for operating the light
- Includes blinds
- Additional functions can be set via optional remote control
- One additional SDB sensor can be directly connected
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings

■ TECHNICAL DATA

- ⊖ 230 V AC +/- 10 %
- ☀ 360°
- ☞ max. Ø 6 m
- IP FC= IP65 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 📏 350 cm (screened)
- 👉 IR-PD-Mini, IR-PD9
- Channel 1**
(control the lighting potential free)
- ⚡ 2300 W, $\cos \varphi = 1$
- ⚡ 1150 VA, $\cos \varphi = 0.5$
- 🕒 15 s - 30 min
- ☀ 10 - 2000 Lux



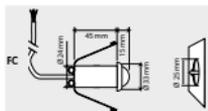
■ Walking across

Description	Colour	Part number
PD9-M-1C-SDB-IP65-GH-FC	white	92931
PD9-M-1C-SDB-IP65-GH-FC	silver	92932
Accessory (optional)		
IR-PD9	grey	92201
IR-PD-Mini	grey	92159
PD9-S-SDB-GH-FC (Slave)	white	92933

LUXOMAT® PICO-M-1C-FC



„Size comparison“

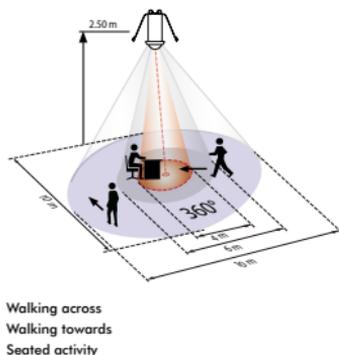


PRODUCT INFORMATION

- Mini-occupancy detector, no additional power unit, suitable for high-humidity locations
- One switching channel for operating the light
- Installation as Master
- Mounting with clip ring (included) for lights or with spring clips for suspended ceilings
- Simple operation with remote control (required)
- Detection area can be extended with Slave units

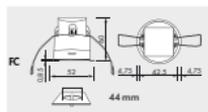
TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- FC= IP65 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 150 cm
- IR-PD-1C
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 5 - 30 min or pulse
- 10 - 2000 Lux



Description	Colour	Part number
PICO-M-1C-FC	white	92712
Accessory (optional)		
IR-PD-1C (necessary)	grey	92520

LUXOMAT® PD11-M-1C-FLAT-FC

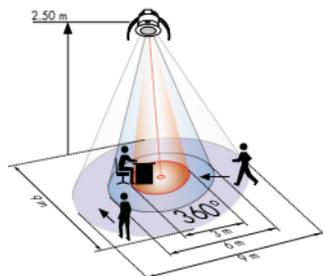


■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 9 m across
- Ø 6 m towards
- Ø 3 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 5 - 30 min with remote control

i PRODUCT INFORMATION

- Particularly flat occupancy detector as slave version for being connected to a Master device
- One switching channel for operating the light
- Visible portion when built into ceiling: H 0.85 mm
- Installation as Master
- Detection area can be extended with Slave units
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Simple operation with remote control (required)



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD11-M-1C-FLAT-FC	white	92583
Accessory (optional)		
IR-PD-1C (necessary)	grey	92520

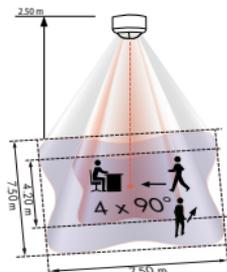
LUXOMAT® PD1N-M-2C-SM/-FC/-FM


PRODUCT INFORMATION

- Occupancy detector with approximately square detection area
- One switching channel for operating the light
- One potential-free contact for HVAC
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching available
- Additional functions can be set via optional remote control
- Alarm pulse: protected triggering only if there are three movements recognised within 9 seconds

■ TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- nearly square size 4 x 90°
Ø 7,5 m x 7,5 m across
- Ø 4,5 m x 4,5 m towards
Ø 4,2 m x 4,2 m seated
- IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W cos φ = 1
- 15 s - 30 min pulse
- 10 - 2000 Lux
- Channel 2 (control HVAC potential free)**
- Dry contact type NO 3A, 230 V, cos φ = 1
- Alarm pulse, pulse or 5 - 120 min



- Walking across
- Walking towards and seated activity

Description	Colour	Part number
PD1N-M-2C-FC	white	92874
PD1N-M-2C-SM	white	92877
PD1N-M-2C-FM	white	92870
Accessory (optional)		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
SM-Socket IP54 for PD1N-FM	white	92121

LUXOMAT® PD2-M-2C-SM/-FC/-FM

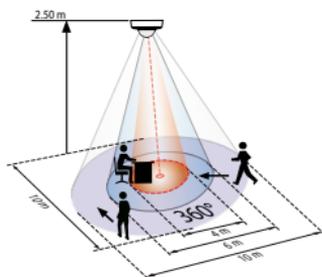


PRODUCT INFORMATION

- Occupancy detector with circular detection area
- One switching channel for operating the light
- One potential-free contact for HVAC
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching available
- Alarm pulse: protected triggering only if there are three movements recognised within 9 seconds
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- SM= IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux
- Channel 2 (control HVAC potential free)**
- Dry contact type NO 3A, 230 V, $\cos \varphi = 1$
- Alarm pulse, pulse or 5 - 120 min



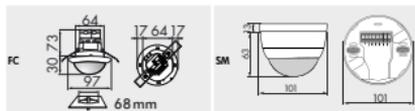
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-M-2C-FC	white	92165
PD2-M-2C-SM	white	92150
PD2-M-2C-FM	white	92155
Accessory (optional)		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-2C-SM/-FC/-FM

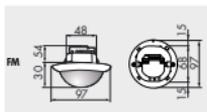


FC



FC

SM



FM

PRODUCT INFORMATION

- Occupancy detector with extended detection area
- One switching channel for operating the light
- One potential-free contact for HVAC
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching available
- Alarm pulse: protected triggering only if there are three movements recognised within 9 seconds
- Additional functions can be set via optional remote control

TECHNICAL DATA

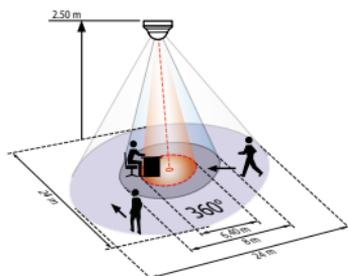
- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP □ □ SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini

Channel 1 (control the lighting)

- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux

Channel 2 (control HVAC potential free)

- Dry contact type NO 3A, 230 V, $\cos \varphi = 1$
- Alarm pulse, pulse or 5 - 120



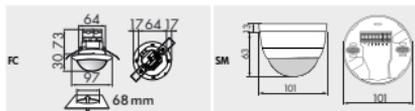
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-2C-FC	white	92148
PD4-M-2C-SM	white	92140
PD4-M-2C-FM	white	92255
Accessory (optional)		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
SM-Socket for SM-devices	white	92376

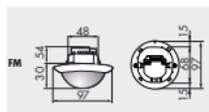
LUXOMAT® PD4-M-2C-C-SM/-FC/-FM



FC



FC



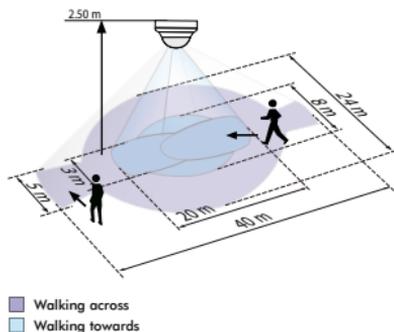
FM

PRODUCT INFORMATION

- Occupancy detector designed for corridors
- One switching channel for operating the light
- One potential-free contact for HVAC
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching available
- Alarm pulse: protected triggering only if there are three movements recognised within 9 seconds
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 40 m across
- Ø 20 m towards
- Mandatory mounting height 2.4 m - 2.6 m
- SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux
- Channel 2 (control HVAC potential free)**
- Dry contact type NO 3A, 230 V, $\cos \varphi = 1$
- Alarm pulse, pulse or 5 - 120 min



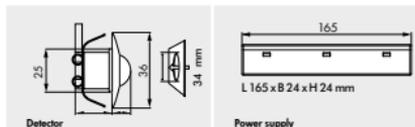
- Walking across
- Walking towards

Description	Colour	Part number
PD4-M-2C-C-FC	white	92143
PD4-M-2C-C-SM	white	92440
PD4-M-2C-C-FM	white	92443
Accessory (optional)		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
Wall bracket for PD4-SM	white	92441
SM-Socket for SM-devices	white	92376

LUXOMAT® PD9-M-1C+HVAC-FC



„Size comparison“

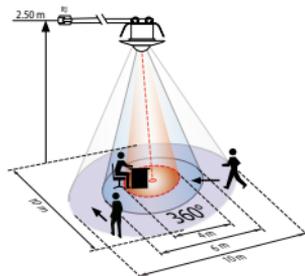


PRODUCT INFORMATION

- Mini occupancy detector with additional potential-free contact
- One switching channel for operating the light
- One potential-free contact for HVAC
- Simple operation with remote control (required)
- Detection area can be extended with Slave units
- Push button manual switching available
- Power unit passes through hole in ceiling for sensor
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45 mm cover ring and blinds

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 150 cm (screened)
- IR-PD-Mini, IR-PD-2C
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux
- Channel 2 (control HVAC potential free)**
- Dry contact type NO 3A, 230 V, $\cos \varphi = 1$
- Alarm pulse, pulse or 5 - 120 min.



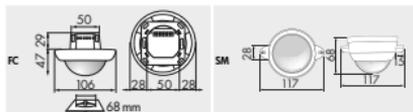
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-M-1C+HVAC-FC	white	92976
Accessory (optional)		
IR-PD-2C (necessary)	grey	92475
IR-PD-Mini	grey	92159
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD4-M-2C-DUO-SM/-FC/-FM



FC



FC

SM



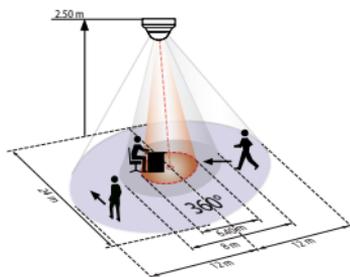
FM

PRODUCT INFORMATION

- Occupancy detector for two separate lighting groups
- One common detection area
- Two independent, movable light sensors
- Two push button manual switching available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m seated
- IP SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-Mini, IR-PD-DUO
- Channel 1 and Channel 2 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min or pulse
- 10 - 2000 Lux



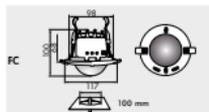
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-2C-DUO-FC	white	92251
PD4-M-2C-DUO-SM	white	92158
PD4-M-2C-DUO-FM	white	92252
Accessory (optional)		
IR-PD-DUO	grey	92092
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-M-2C-DS-FC



FC



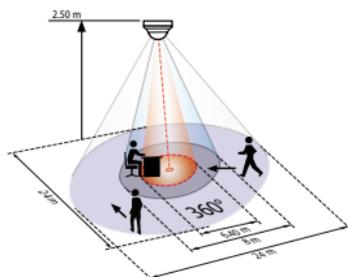
FC

PRODUCT INFORMATION

- Occupancy detector connectable to two different supplies
- 2 switching channels for switching light: the illumination system can be divided into to separate groups being electrically isolated.
- Installation as Master
- Extension of the detection area with additional PD4-M-2C-DS-FC configured as slave
- Manual switching possible via a shared pushbutton.
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1 and Channel 2 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 30 min
- 10 - 2000 Lux



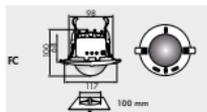
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-2C-DS-FC	white	92760
Accessory (optional)		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-M-TRIO-3P-FC



FC



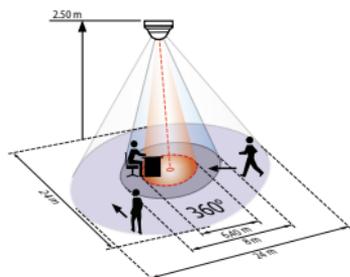
FC

PRODUCT INFORMATION

- Occupancy detector connectable to three different supplies
- One phase for 110-240 V operating voltage
- Two channels for switching light
- Switching channels close if operating voltage fails, the illumination is kept on as long as both phases are supplied with power
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching available
- Additional functions can be set via optional remote control

■ TECHNICAL DATA

-  110-240 V AC , 50 / 60 Hz
-  360°
-  Ø 24 m across
-  Ø 8 m towards
-  Ø 6.4 m seated
-  IP20 / Class II
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD-Mini, IR-PD-1C
- Channel 1 and Cannel 2 (control the lighting)**
-  2300 W, $\cos \varphi = 1$
-  1150 VA, $\cos \varphi = 0.5$
-  15 s - 30 min or pulse
-  10 - 2000 Lux



-  Walking across
-  Walking towards
-  Seated activity

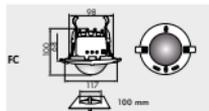
Description	Colour	Part number
PD4-M-TRIO-3P-FC	white	92749
Accessory (optional)		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159

LUXOMAT® PD4-M-TRIO-C-3P-FC



FC

FC

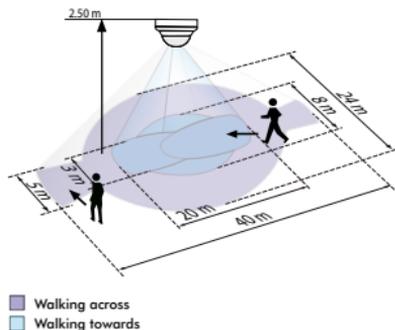


PRODUCT INFORMATION

- Occupancy detector connectable to three different supplies
- One phase for 110-240 V operating voltage
- Two channels for switching light
- Switching channels close if operating voltage fails, the illumination is kept on as long as both phases are supplied with power
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching available
- Additional functions can be set via optional remote control

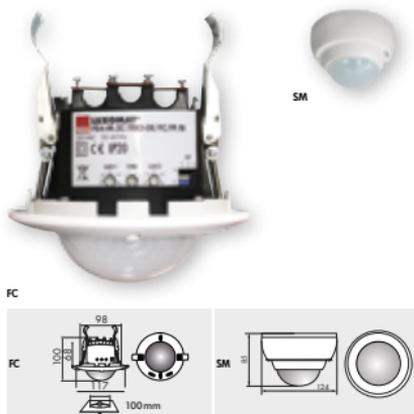
TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 40 m across
- Ø 20 m towards
- Mandatory mounting height 2.4 m - 2.6 m
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-Mini, IR-PD-1C
- Channel 1 to Channel 2 (control the lighting potential free)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 16 min or pulse
- 10 - 2000 Lux



Description	Colour	Part number
PD4-M-TRIO-C-3P-FC	white	92746
Accessory (optional)		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159

LUXOMAT® PD4-M-3C-TRIO-SM/-FC

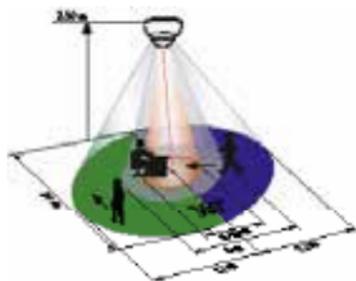


■ TECHNICAL DATA

- ⊖ 110-240 V AC , 50 / 60 Hz
- ☂ 360°
- ∅ 24 m across
- ∅ 8 m towards
- ∅ 6,4 m seated
- IP FC SM= IP20 FC= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 🔧 IR-PD4-TRIO SWI
- Channel 1 to Channel 3 (control the lighting)**
- ⚡ 3000 W, $\cos \varphi = 1$
- ⚡ 1500 VA, $\cos \varphi = 0.5$
- 🕒 1 - 90 min
- ☀ 10 - 2000 Lux

i PRODUCT INFORMATION

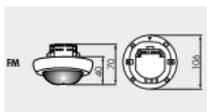
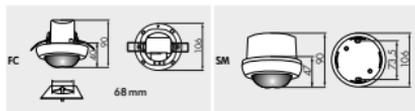
- Occupancy detector particularly for classrooms and training classrooms
- Two dry contacts for groups of lights
- One contact for blackboard illumination
- One common detection area
- Two independent, movable light sensors
- Two push button manual switching available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-3C-TRIO-FC	white	92745
PD4-M-3C-TRIO-SM	white	92740
Accessory (optional)		
IR-PD4-TRIO SWI	grey	92102
Wire basket BSK (∅ 200 x 100)	white	92199
Wire basket BSK (∅ 164 x 143)	white	92467
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD1N-M-DIM-SM/-FC/-FM

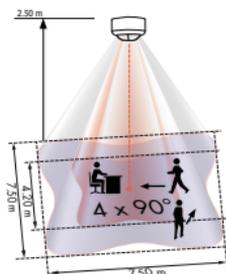


PRODUCT INFORMATION

- Occupancy detector with approximately square detection area for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Push button manual switching and dimming available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

TECHNICAL DATA

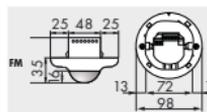
- 110-240 V AC, 50 / 60 Hz
- nearly square size $4 \times 90^\circ$
- $\varnothing 7,5 \text{ m} \times 7,5 \text{ m}$ across
- $\varnothing 4,5 \text{ m} \times 4,5 \text{ m}$ towards
- $\varnothing 4,2 \text{ m} \times 4,2 \text{ m}$ seated
- SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 1 - 30 min
- 10 - 2000 Lux
- 1-10V DC, max. 50 EB's



- Walking across
- Walking towards and seated activity

Description	Colour	Part number
PD1N-M-DIM-FC	white	92876
PD1N-M-DIM-SM	white	92879
PD1N-M-DIM-FM	white	92873
Accessory (optional)		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
Wire basket BSK ($\varnothing 200 \times 100$)	white	92199
SM-Socket IP54 for PD1N-FM	white	92121

LUXOMAT® PD2-M-DIM-SM/-FC/-FM

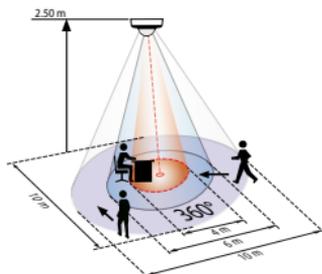


PRODUCT INFORMATION

- Occupancy detector for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Push button manual switching and dimming available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- SM= IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0,5$
- 1 - 30 min
- 10 - 2000 Lux
- 1-10 V DC, max. 50 EB



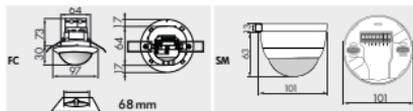
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-M-DIM-FC	white	92167
PD2-M-DIM-SM	white	92153
PD2-M-DIM-FM	white	92157
Accessory (optional)		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

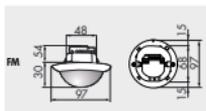
LUXOMAT® PD4-M-DIM-SM/-FC/-FM



FC



FC



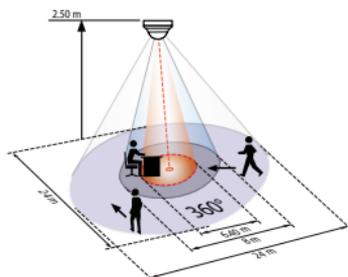
FM

PRODUCT INFORMATION

- Occupancy detector with extended detection area, daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Push button manual switching and dimming available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 1 - 30 min
- 10 - 2000 Lux
- 1-10V DC, max. 50 EB



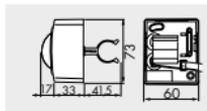
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-DIM-FC	white	92247
PD4-M-DIM-SM	white	92147
PD4-M-DIM-FM	white	92248
Accessory (optional)		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD5-M-DIM-Clip



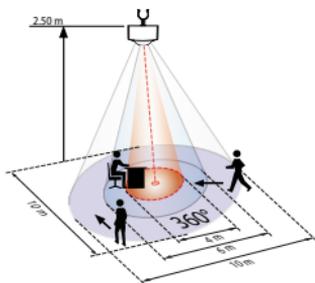
Clip


 PRODUCT INFORMATION

- Occupancy detector for use with T5 and T8 fluorescent lamps for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Push button manual switching and dimming available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

■ TECHNICAL DATA

-  230 V AC +/- 10 %
-  360°
-  Ø 10 m across
-  Ø 6 m towards
-  Ø 4 m seated
-  IP20 / Class II
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
-  2300 W, $\cos \varphi = 1$
-  1150 VA, $\cos \varphi = 0.5$
-  1 - 30 min
-  10 - 2000 Lux
-  1-10 V DC, max. 50 EB



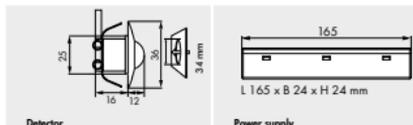
-  Walking across
-  Walking towards
-  Seated activity

Description	Colour	Part number
PD5-M-DIM-Clip	white	92310
Accessory (optional)		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098

LUXOMAT® PD9-M-DIM-FC



„Size comparison“



Detector

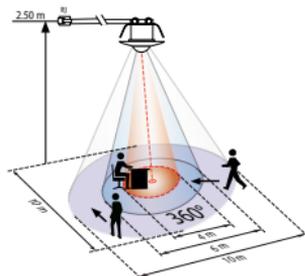
Power supply

i PRODUCT INFORMATION

- Mini occupancy detector for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Push button manual switching and dimming available
- Simple operation with remote control (required)
- Power unit passes through hole in ceiling for sensor
- Detection area can be extended with Slave units
- Includes 45 mm cover ring and blinds

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 1 - 30 min
- 10 - 2000 Lux
- 1-10 V DC, max. 50 EB's



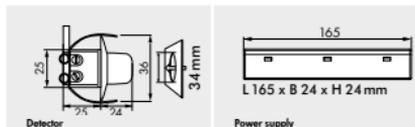
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-M-DIM-FC	white	92910
PD9-M-DIM-FC	silver	92911
Accessory (optional)		
IR-PDim (necessary)	grey	92200
IR-PD-DIM-Mini	grey	92098
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-M-DIM-GH-FC



„Size comparison“

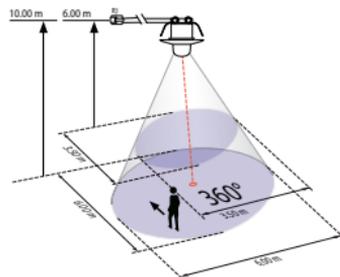


PRODUCT INFORMATION

- Mini occupancy detector for high-bay applications, for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Push button manual switching and dimming available
- Simple operation with remote control (required)
- Detection area can be extended with Slave units
- Power unit passes through hole in ceiling for sensor
- Includes 45 mm cover ring and blinds

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- max. Ø 6 m
- Light control feasible up to 5 m
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 1 - 30 min
- 10 - 2000 Lux
- 1-10V 1-10V 1-10V 1-10V
- 1-10 V DC, max. 50 EB's



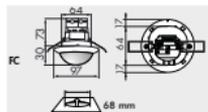
Walking across

Description	Colour	Part number
PD9-M-DIM-GH-FC	white	92924
PD9-M-DIM-GH-FC	silver	92927
Accessory (optional)		
IR-PDim (necessary)	grey	92200
IR-PD-DIM-Mini	grey	92098
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD4-M-DIM-HVAC-FC



FC



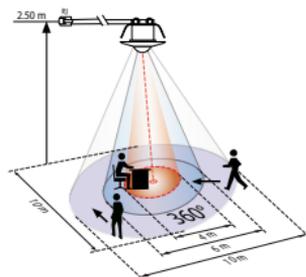
FC

PRODUCT INFORMATION

- Occupancy detector for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- One potential-free contact for HVAC
- Push button manual switching and dimming available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 1 - 30 min
- 10 - 2000 Lux
- 1-10 V DC, max. 50 EB
- Channel 2 (control HVAC potential free)**
- Dry contact type NO 3 A/ 16 A, 230 V, $\cos \varphi = 1$
- Alarm pulse, pulse or 5 - 60 min



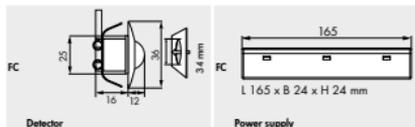
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-DIM-HVAC-3A-FC	white	92507
PD4-M-DIM-HVAC-16A-FC	white	92547
Accessory (optional)		
IR-PD-DIM-HKL	grey	92114
IR-PD-DIM-Mini	grey	92098
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD9-M-DIM+HKL-FC



„Size comparison“

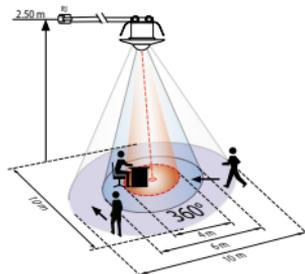


PRODUCT INFORMATION

- Mini occupancy detector with additional potential-free contact
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- One potential-free contact for HVAC
- Simple operation with remote control (required)
- Detection area can be extended with Slave units
- Push button manual switching and dimming available
- Power unit passes through hole in ceiling for sensor
- Includes 45 mm cover ring and blinds

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PD-DIM-HKL, IR-PD-DIM-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 1 - 30 min
- 10 - 2000 Lux
- 1-10 V
- Channel 2 (control HVAC potential free)**
- Dry contact type NO 3A, 230 V, $\cos \varphi = 1$
- Alarm pulse, pulse or 5 - 60 min



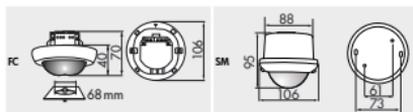
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-M-DIM+HKL-FC	white	92973
Accessory (optional)		
IR-PD-DIM-HKL (necessary)	grey	92114
IR-PD-DIM-Mini	grey	92098
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD4-M-DUO-DIM-SM/-FC/-FM

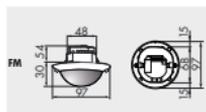


FC



FC

SM



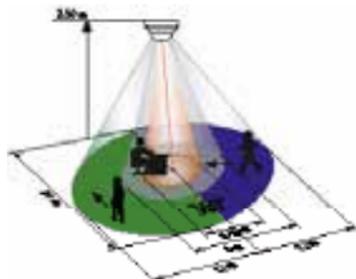
FM

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
- Push button manual switching and dimming available
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

■ TECHNICAL DATA

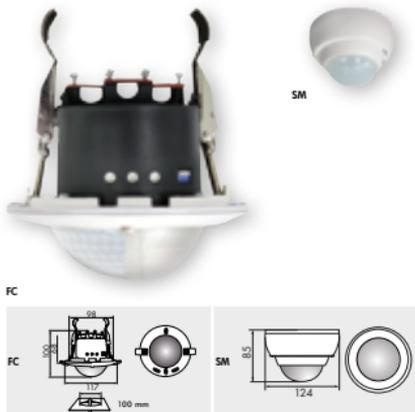
- ~ 110-240 V AC , 50 / 60 Hz
- ~ 230 V AC +/- 10 % , 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m small movements
- SM= IP44 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PDIm, IR-PD-DIM-Mini
- Channel 1 and Channel 2 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 1 - 30 min
- 10 - 2000 Lux
- 2 dim outputs 1-10 V DC, max. 50 EB



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-DUO-DIM-FC	white	92272
PD4-M-DUO-DIM-SM	white	92271
PD4-M-DUO-DIM-FM	white	92273
Accessory (optional)		
IR-PDIm	grey	92200
IR-PD-DIM-Mini	grey	92098
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-M-TRIO-DIM-SM/-FC

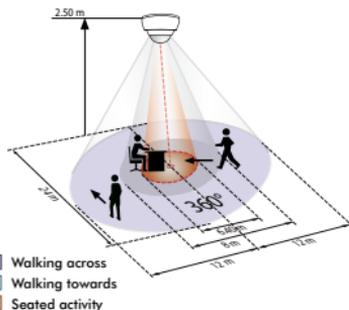


■ TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 4 m seated
- IP SM = IP20 FC = IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD4-TRIO
- Channel 1-3: 1 - 60min
- Channel 1 and Channel 2 (control the lighting)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 10 - 2000 Lux
- 2 dim outputs 1-10 V DC, max. 50 EB's
- Channel 3 (control the lighting potential free)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 10 - 2000 Lux

① PRODUCT INFORMATION

- Occupancy detector for two separate lighting groups and one potential-free light channel, for daylight-dependent lighting control
- One potential-free contact for HVAC
- One common detection area
- Two independent, movable light sensors
- Push button manual switching and dimming available
- Installation as Master
- Additional functions can be set via optional remote control
- Detection area can be extended with Slave units
- Two 1-10 V interfaces for control of dimmable electronic ballasts



Description	Colour	Part number
PD4-M-TRIO-DIM-FC	white	92735
PD4-M-TRIO-DIM-SM	white	92730
Accessory (optional)		
IR-PD4-TRIO	grey	92097
Wire basket BSK (Ø 200 x 100)	white	92199
Wire basket BSK (Ø 164 x 143)	white	92467
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD2-M-DALI/DSI-SM/-FC

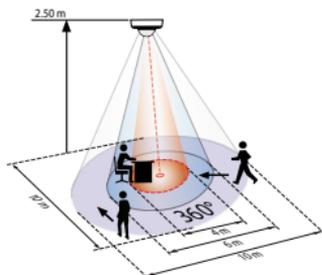


■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP SM= IP20 FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-DALI, IR-PD-DALI-Mini, IR-PD-DALI-E, IR-PD-DALI-LD
- Channel 1 (control the lighting)**
- max. 50 DALI/DSI EB's
- 1 - 30 min
- 10 - 2000 Lux

i PRODUCT INFORMATION

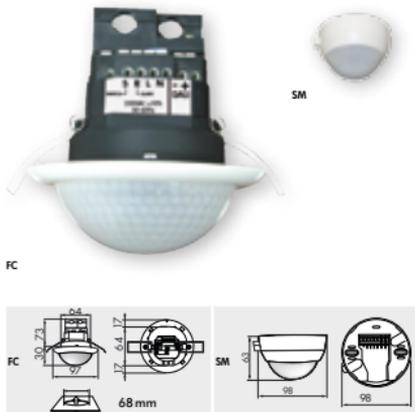
- Occupancy detector for daylight-dependent lighting control
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Additional functions can be set via optional remote control
- Push button manual switching and dimming available
- Detection area can be extended with Slave units



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-M-DALI/DSI-FC	white	92258
PD2-M-DALI/DSI-SM	white	92280
Accessory (optional)		
IR-PD-DALI	grey	92094
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-DALI/DSI-SM/-FC

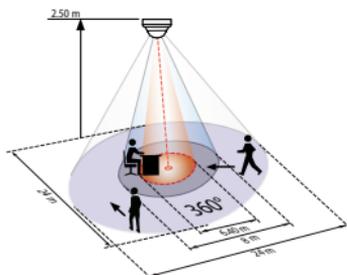


■ TECHNICAL DATA

-  110-240 V AC , 50 / 60 Hz
-  360°
-  Ø 24 m across
-  Ø 8 m towards
-  Ø 6,4 m seated
-  IP SM= IP20 FC= IP20 / Class II
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD-DALI, IR-PD-DALI-Mini, IR-PD-DALI-E, IR-PD-DALI-LD
- Channel 1 (control the lighting)**
-  max. 50 DALI/DSI EB's
-  1 - 30 min
-  10 - 2000 Lux

i PRODUCT INFORMATION

- Occupancy detector with extended detection area, daylight-dependent lighting control
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching and dimming available
- Additional functions can be set via optional remote control



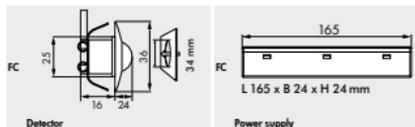
-  Walking across
-  Walking towards
-  Seated activity

Description	Colour	Part number
PD4-M-DALI/DSI-FC	white	92275
PD4-M-DALI/DSI-SM	white	92279
Accessory (optional)		
IR-PD-DALI	grey	92094
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD9-M-DALI/DSI-FC



„Size comparison“



Detector

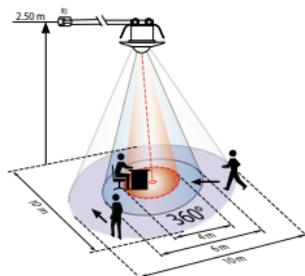
Power supply

PRODUCT INFORMATION

- Mini occupancy detector for daylight-dependent lighting control
- DALI/DSI interface for control of digital dimmable electronic ballasts
- Switch between DSI and DALI mode with IR-PD-DALI
- Push button manual switching and dimming available
- Detection area can be extended with Slave units
- Power unit passes through hole in ceiling for sensor
- Includes 45 mm cover ring and blinds
- Simple operation with remote control (required)

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC = IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PD-DALI, IR-PD-DALI-Mini, IR-PD-DALI-E, IR-PD-DALI-LD
- Channel 1 (control the lighting)**
- max. 50 DALI/DSI EB's
- 1 - 30 min
- 10 - 2000 Lux



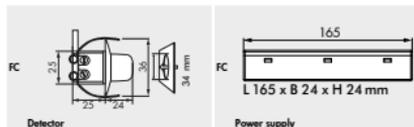
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-M-DALI/DSI-FC	white	92920
Accessory (optional)		
IR-PD-DALI (necessary)	grey	92094
IR-PD-DALI-Mini	grey	92112
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-M-DALI/DSI-GH-FC



,Size comparison'



Detector

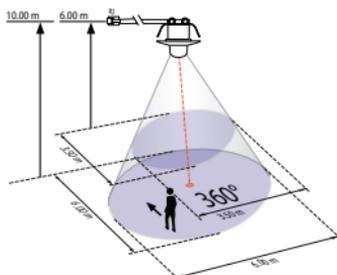
Power supply

PRODUCT INFORMATION

- Mini occupancy detector for daylight-dependent lighting control, for high-bay applications
- DALI/DSI interface for control of digital dimmable electronic ballasts
- Switch between DSI and DALI mode with IR-PD-DALI
- Push button manual switching and dimming available
- Detection area can be extended with Slave units
- Power unit passes through hole in ceiling for sensor
- Includes 45 mm cover ring and blinds
- Simple operation with remote control (required)

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- max. Ø 6 m
- Light control feasible up to 5 m
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PD-DALI, IR-PD-DALI-Mini, IR-PD-DALI-E, IR-PD-DALI-LD
- Channel 1 (control the lighting)**
- max. 50 DALI/DSI EB's
- 1 - 30 min
- 2 - 2000 Lux



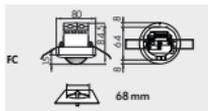
Walking across

Description	Colour	Part number
PD9-M-DALI/DSI-GH-FC	white	92938
Accessory (optional)		
IR-PD-DALI (necessary)	grey	92094
IR-PD-DALI-LD	grey	92652
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD2-M-DALI/DSI-1C-FC



FC



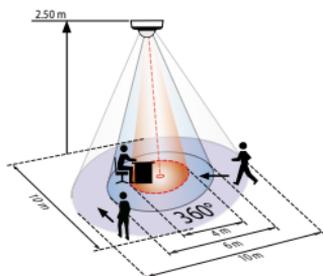
FC

PRODUCT INFORMATION

- Occupancy detector for daylight-dependent lighting control
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- One additional switching channel having innovative functions: totally switching off electronic ballasts when used for control of lighting or delay of the HVAC function when used for control of HVAC devices becomes possible
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching and dimming available
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (control the lighting)**
- max. 50 DALI/DSI EB's
- 1 - 30 min
- 10 - 2000 Lux
- Channel 2 (control the lighting) / (control HVAC)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- Alarm pulse, pulse or 5 - 120 min



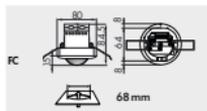
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-M-DALI/DSI-1C-FC	white	92486
Accessory (optional)		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD2-M-DALI/DSI-HVAC-FC



FC



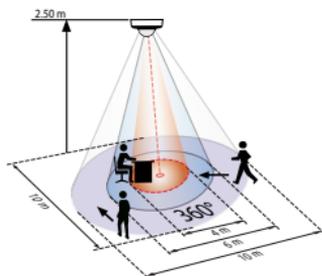
FC

PRODUCT INFORMATION

- Occupancy detector for daylight-dependent lighting control
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- One potential-free contact for HVAC
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching and dimming available
- Additional functions can be set via optional remote control

■ TECHNICAL DATA

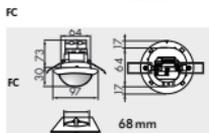
- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0,5$
- max. 50 DALI/DSI EB's
- 1 - 30 min
- 10 - 2000 Lux
- Channel 2 (control HVAC potential free)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0,5$
- Alarm pulse, pulse or 5 - 120 min



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-M-DALI/DSI-HVAC-FC	white	92698
Accessory (optional)		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-M-DALI/DSI-1C-FC

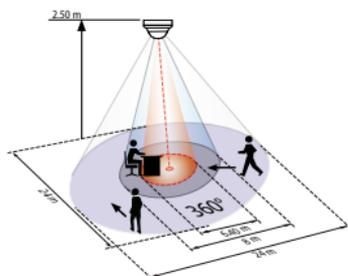


PRODUCT INFORMATION

- Occupancy detector with extended detection area, daylight-dependent lighting control
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- One additional switching channel having innovative functions: totally switching off electronic ballasts when used for control of lighting or delay of the HVAC function when used for control of HVAC devices becomes possible
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching and dimming available
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m seated
- IP FC = IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (control the lighting)**
- max. 50 DALI/DSI EB's
- 1 - 30 min
- 10 - 2000 Lux
- Channel 2 (control the lighting) / (control HVAC)**
- 2300 W, $\cos\phi = 1$
- 1150 VA, $\cos\phi = 0.5$
- Alarm pulse, pulse or 5 - 120 min



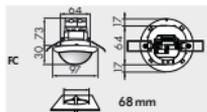
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-DALI/DSI-1C-FC	white	92488
Accessory (optional)		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-M-DALI/DSI-HVAC-FC



FC



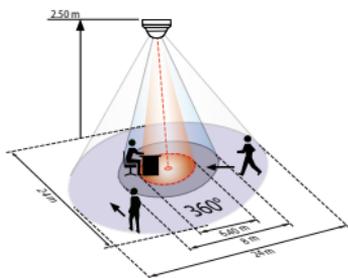
FC

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (control the lighting)**
- max. 50 DALI/DSI EB's
- 1 - 30 min
- 10 - 2000 Lux
- Channel 2 (control HVAC)**
- 2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0,5$
- Alarm pulse, pulse or 5 - 120 min

i PRODUCT INFORMATION

- Occupancy detector with extended detection area, daylight-dependent lighting control
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- One potential-free contact for HVAC
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching and dimming available
- Additional functions can be set via optional remote control



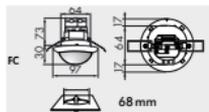
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-DALI/DSI-HVAC-FC	white	92699
Accessory (optional)		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-M-DUO-DALI/DSI-FC



FC



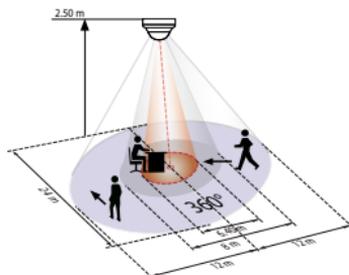
FC

PRODUCT INFORMATION

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- One common detection area
- Two independent, movable light sensors
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control
- Push button manual switching and dimming available

TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m seated
- IP20 / Class II
- FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-DALI, IR-PD-DALI-E
- Channel 1 and Channel 2 (control the lighting)**
- max. 25 DALI/DSI-EB each channel
- 1 - 30 min
- 10 - 2000 Lux



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-DUO-DALI/DSI-FC	white	92276
Accessory (optional)		
IR-PD-DALI	grey	92094
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-M-TRIO-DALI/DSI-SM/-FC

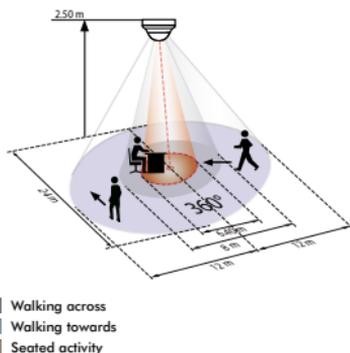


PRODUCT INFORMATION

- Two independent, movable light sensors
- Occupancy detector for two lighting groups, for daylight-dependent lighting control, with additional output
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- One common detection area
- 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
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Detection area can be extended with Slave units
- Push button manual switching and dimming available
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m seated
- IP SM= IP20 FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD4-TRIO-DALI, IR-PD-DALI-Mini
- Channel 1 and Channel 2 (control the lighting)**
- max. 25 DALI/DSI-EVG each channel
- 1 - 60 min
- 10 - 2000 Lux
- Channel 3 (control the lighting)**
- max. 10 DALI/DSI EB



Description	Colour	Part number
PD4-M-TRIO-DALI/DSI-FC	white	92755
PD4-M-TRIO-DALI/DSI-SM	white	92750
Accessory (optional)		
IR-PD4-TRIO-DALI	grey	92104
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199
Wire basket BSK (Ø 164 x 143)	white	92467
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD4-M-TRIO-2DALI/DSI-1C-SM/-FC

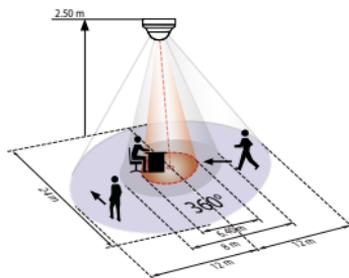


PRODUCT INFORMATION

- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- Two independent, movable light sensors
- One common detection area
- DALI/DSI interface for control of digital dimmable electronic ballasts as a group
- One additional switching channel for control of devices (HVAC) or lighting
- Can be switched between DALI and DSI modes with remote control and Dip switches.
- Installation as Master
- Push button manual switching and dimming available
- Detection area can be extended with Slave units
- Additional functions can be set via optional remote control

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m seated
- IP SM = IP20 FC = IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD4-TRIO-DALI, IR-PD-DALI-Mini
- Channel 1 and Channel 2 (control the lighting)**
- max. 25 DALI/DSI-EB each channel
- 1 - 60 min
- 10 - 2000 Lux
- Channel 3 (control the lighting and control HVAC potential free)**
- 3000 W, $\cos \varphi = 1$
- 1500 VA, $\cos \varphi = 0,5$
- 1 - 60 min
- 10 - 2000 Lux



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-M-TRIO-2DALI/DSI-1C-FC	white	92756
PD4-M-TRIO-2DALI/DSI-1C-SM	white	92751
Accessory (optional)		
IR-PD4-TRIO-DALI	grey	92104
IR-PD-DALI-Mini	grey	92112
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD1N-S-SM/-FC/-FM

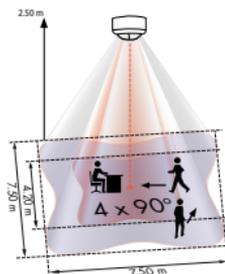


i PRODUCT INFORMATION

- Slave occupancy detector with approximately square detection area
- For extending the detection area of a Master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- nearly square size $4 \times 90^\circ$
 $\varnothing 7,5 \text{ m} \times 7,5 \text{ m}$ across
 $\varnothing 4,5 \text{ m} \times 4,5 \text{ m}$ towards
 $\varnothing 4,2 \text{ m} \times 4,2 \text{ m}$ seated
- SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Pulse interval of 2 s or 9 s
- Slave**
- 230V



- Walking across
- Walking towards and seated activity

Description	Colour	Part number
PD1N-S-FC	white	92875
PD1N-S-SM	white	92878
PD1N-S-FM	white	92872
Accessory (optional)		
Wire basket BSK (Ø 200 x 100)	white	92199
SM-Socket IP54 for PD1N-FM	white	92121

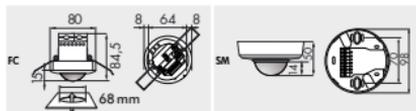
LUXOMAT® PD2-S-SM/-FC/-FM



FC

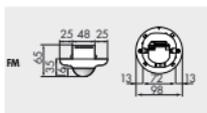
SM

FM



FC

SM



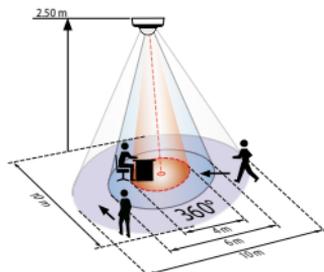
FM

PRODUCT INFORMATION

- Slave occupancy detector for extending detection area of master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- SM= IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Pulse interval of 2 s or 9 s
- Slave**
- 230V



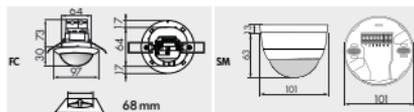
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-S-FC	white	92166
PD2-S-SM	white	92152
PD2-S-FM	white	92156
Accessory (optional)		
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-S-SM/-FC/-FM

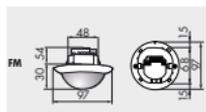


FC



FC

SM



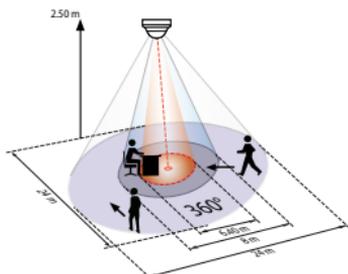
FM

PRODUCT INFORMATION

- Slave occupancy detector with extended detection area
- For extending the detection area of a Master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Pulse interval of 2 s or 9 s
- Slave**
- 230V



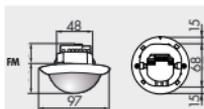
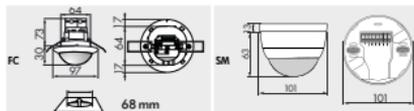
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-S-FC	white	92254
PD4-S-SM	white	92142
PD4-S-FM	white	92163
Accessory (optional)		
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
SM-Socket for SM-devices	white	92376

LUXOMAT® PD4-S-C-SM/-FC/-FM



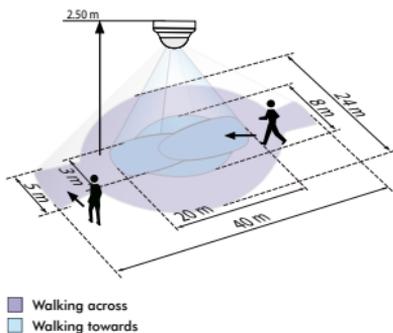
FC


PRODUCT INFORMATION

- Slave occupancy detector designed for corridors
- For extending the detection area of a Master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 40 m across
- Ø 20 m towards
- Mandatory mounting height 2,4 m - 2,6 m
- SM= IP54 FC= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Pulse interval of 2 s or 9 s
- Slave**
- 230V



- Walking across
- Walking towards

Description	Colour	Part number
PD4-S-C-FC	white	92444
PD4-S-C-SM	white	92442
PD4-S-C-FM	white	92445
Accessory (optional)		
Wire basket BSK (Ø 200 x 100)	white	92199
Wall bracket for PD4-SM	white	92441
Socket IP54 for PD2- and PD4-SM	white	92161
SM-Socket for SM-devices	white	92376

LUXOMAT® PD4-S-GH-SM



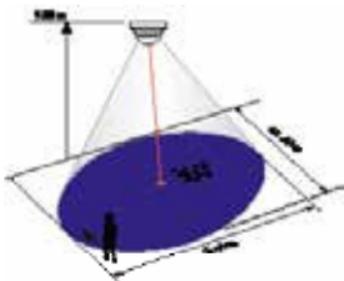
SM


 PRODUCT INFORMATION

- Slave occupancy detector for high-bay applications
- For extending the detection area of a Master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

■ TECHNICAL DATA

- ⚡ 110-240 V AC , 50 / 60 Hz
- ☂ 360°
- 📏 Ø 44 m across
- 📦 IP SM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 📦 Pulse interval of 2 s or 9 s
- Slave**
- 🔌 230V

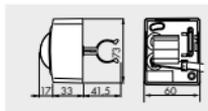

 Walking across

Description	Colour	Part number
PD4-S-GH-SM	white	92265
Accessory (optional)		
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-AP	white	92375

LUXOMAT® PD5-S-Clip



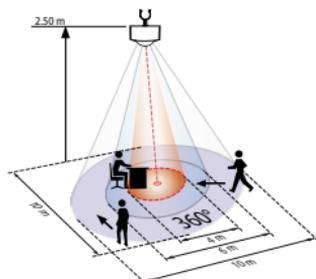
Clip


 PRODUCT INFORMATION

- Slave occupancy detector designed for use with T5 and T8 fluorescent tubes
- For extending the detection area of a Master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

 TECHNICAL DATA

-  230 V AC +/- 10 %
-  360°
-  Ø 10 m across
Ø 6 m towards
Ø 4 m seated
-  IP20 / Class II
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
- Slave**
-  230V



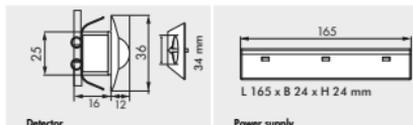
-  Walking across
-  Walking towards
-  Seated activity

Description	Colour	Part number
PD5-S-Clip	white	92316

LUXOMAT® PD9-S-FC



„Size comparison“



Detector

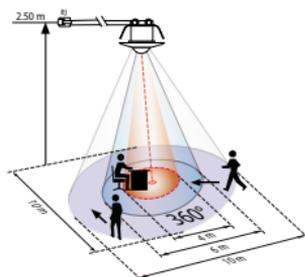
Power supply

PRODUCT INFORMATION

- Slave mini occupancy detector for extending detection area of master unit
- Power unit passes through hole in ceiling for sensor
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

■ TECHNICAL DATA

- ⚡ 110-240 V AC , 50 / 60 Hz
- 📡 360°
- 📏 Ø 10 m across
- 📏 Ø 6 m towards
- 📏 Ø 4 m seated
- 📏 IP FC= IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 📏 Housing UV- and shock resistant polycarbonate
- 📏 45 cm (screened)
- 🔌 **Slave**
- 🔌 230V



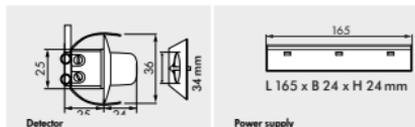
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-S-FC	white	92905
PD9-S-FC	silver	92906
Accessory (optional)		
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-S-GH-FC



„Size comparison“

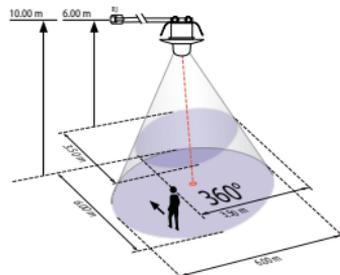


PRODUCT INFORMATION

- Slave mini occupancy detector for high-bay applications, for extending detection area of master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Power unit passes through hole in ceiling for sensor
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

TECHNICAL DATA

- ~ 110-240 V AC , 50 / 60 Hz
- 360°
- max. Ø 6 m
- IP FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- Slave**
- 230V



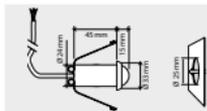
■ Walking across

Description	Colour	Part number
PD9-S-GH-FC	white	92928
PD9-S-GH-FC	silver	92929
Accessory (optional)		
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PICO-S-FC



„Size comparison“

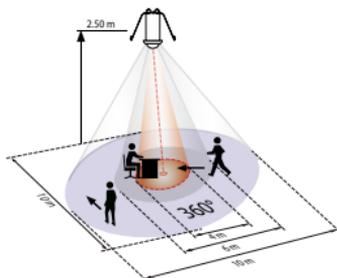


i PRODUCT INFORMATION

- Mini occupancy detector without additional power unit for connection to master unit
- Suitable for high-humidity locations
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Mounting with clip ring (included) for lights or with spring clips for suspended ceilings
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB

■ TECHNICAL DATA

- ⊖ 110-240 V AC , 50 / 60 Hz
- ☂ 360°
- ∅ 10 m across
- ∅ 6 m towards
- ∅ 4 m seated
- IP FC= IP65 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 📏 150 cm
- Slave**
- 🔌 230V



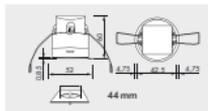
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PICO-S-FC	white	92700

LUXOMAT® PD11-S-FLAT-FC



FC

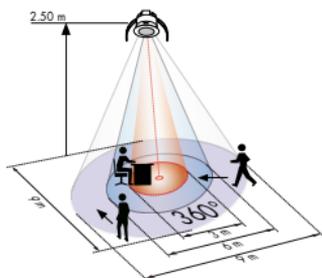


■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz
- 360°
- Ø 9 m across
- Ø 6 m towards
- Ø 3 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Slave**
- 230V

PRODUCT INFORMATION

- Super flat Slave occupancy detector for connection to Master unit
- For extending the detection area of a Master unit
- Trigger pulse to master when motion is detected is independent of ambient lighting
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD11-S-FLAT-FC	white	92593

LUXOMAT® PD2-M-2C-11-48V-SM/-FC

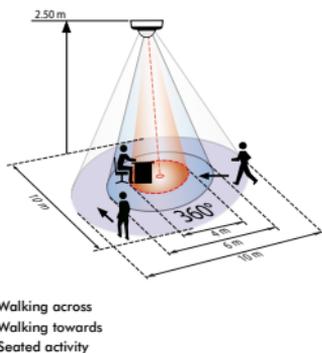


■ TECHNICAL DATA

- 11 - 48 V AC/DC
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- SM= IP20 FC= IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 to Channel 2 (control the lighting potential free)**
- 3A-Version:** 3 A $\cos \varphi = 1$
- RR-Version:** with Reed-Relais, 100 mA, $\cos \varphi = 1$
- Channel 1:** 15 s - 30 min or pulse
- Channel 2:** Alarm pulse, pulse or 5 - 120 min
- 10 - 2000 Lux

i PRODUCT INFORMATION

- Occupancy detector with operating voltage of 11-48 V
- Two potential-free channels
- For channel 1, output of brightness-dependent resistance value also available, for additional analogue connection
- Can be used as either Master or Slave
- Push button manual switching available
- Additional functions can be set via optional remote control



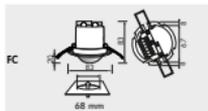
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-M-2C-11-48V-3A-FC	white	92164
PD2-M-2C-11-48V-3A-SM	white	92154
PD2-M-2C-11-48V-RR-SM	white	92305
PD2-M-2C-11-48V-RR-FC	white	92306
Accessory (optional)		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD2N-LTMS-FC



FC



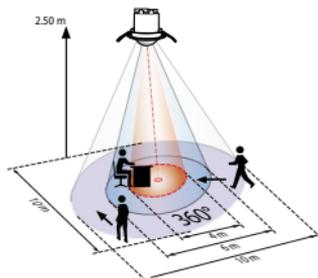
FC

PRODUCT INFORMATION

- Occupancy detector for connection to 16-48 V supply
- 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 dials on unit

TECHNICAL DATA

- 16 - 48 V DC
- 360°
- Ø 10 m across
Ø 6 m towards
- IP FC = IP20 / Class II
- 0 - 1000 Lux, 0-10 V, 10 mA
- 0°C -/+ 50°C, 0-10 V, 10 mA
- Housing UV- and shock resistant polycarbonate
- Channel 1**
- dry contact type NO, 3A,
16-48 V DC, $\cos \varphi = 1$
- 15 s - 30 min



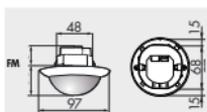
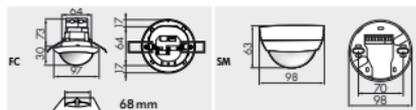
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-LTMS-FC	white	92113
Accessory (optional)		
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-KNX-SM/-FC/-FM



FC

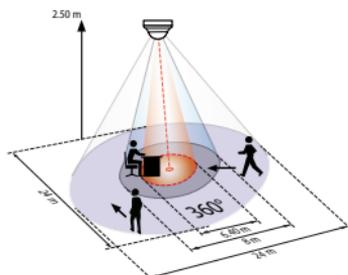


PRODUCT INFORMATION

- KNX occupancy detector with extended detection area and integrated KNX bus connector
- When using the application **B.E.G.-DIM-HKL-V5.0**, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-dependent constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control

TECHNICAL DATA

- 24 V DC from KNX-BUS network
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6,4 m seated
- IP IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +55 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-KNX
- For integration in KNX-BUS systems



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD4-KNX-FC	white	92884
PD4-KNX-SM	white	92883
PD4-KNX-FM	white	92885
Accessory (optional)		
IR-PD-KNX	grey	92123
Socket IP65 for PD4-AP	white	92375
Socket IP54 for PD2- and PD4-SM	white	92161
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD4-KNX-GH-SM



SM



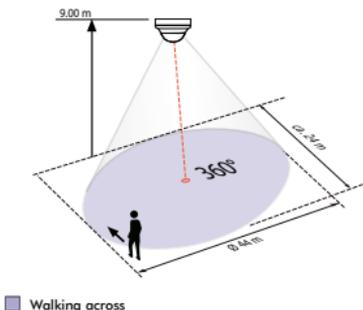
SM

PRODUCT INFORMATION

- KNX occupancy detector designed for high-bay warehouses, with integrated KNX bus connector
- When using the application **B.E.G.-DIM-HKL-V5.0**, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-depending constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-depending or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control

■ TECHNICAL DATA

-  24 V DC from KNX-BUS network
-  360°
-  Ø 44 m across
-  Light control feasible up to 5 m
-  SM= IP20 / Class II
-  -25 °C to +55 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD-KNX
-  **For integration in KNX-BUS systems**



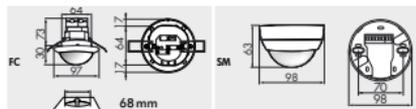
 Walking across

Description	Colour	Part number
PD4-KNX-GH-SM	white	92889
Accessory (optional)		
IR-PD-KNX	grey	92123
Socket IP65 for PD4-AP	white	92375
Socket IP54 for PD2- and PD4-SM	white	92161
Wire basket BSK (Ø 200 x 100)	white	92199

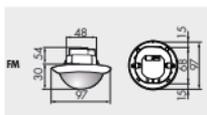
LUXOMAT® PD4-KNX-C-SM/-FC/-FM



FC



FC



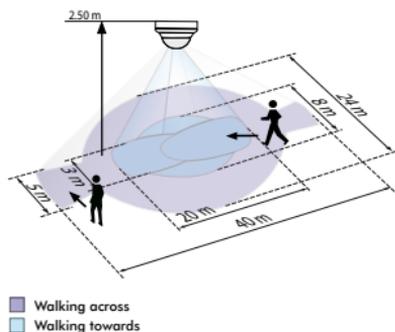
FM

PRODUCT INFORMATION

- KNX occupancy detector designed for corridors, with integrated KNX bus connector
- When using the application **B.E.G.-DIM-HKL-V5.0**, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-dependent constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control

TECHNICAL DATA

- 24 V DC from KNX-BUS network
- 360°
- Ø 40 m across
Ø 20 m towards
- Mandatory mounting height 2,4 m - 2,6 m
- SM= IP20 FC= IP20 FM= IP20 / Class II
- 25 °C to +55 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-KNX
- For integration in KNX-BUS systems**



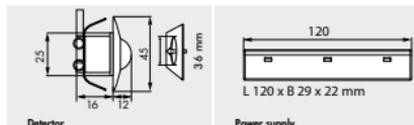
- Walking across
- Walking towards

Description	Colour	Part number
PD4-KNX-C-FC	white	92887
PD4-KNX-C-SM	white	92886
PD4-KNX-C-FM	white	92888
Accessory (optional)		
IR-PD-KNX	grey	92123
Wall bracket for PD4-SM	white	92441
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-SM	white	92375

LUXOMAT® PD9-KNX-FC



„Size comparison“

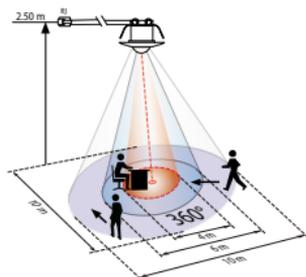


PRODUCT INFORMATION

- KNX mini occupancy detector with integrated bus connector
- When using the application **B.E.G.-DIM-HKL-V5.0**, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-depending constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-depending or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control

■ TECHNICAL DATA

- 24 V DC from KNX-BUS network
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- FC= IP20 / Class II
- 25 °C to +55 °C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- IR-PD-KNX
- For integration in KNX-BUS systems**



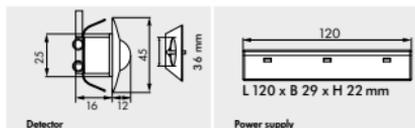
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-KNX-FC	white	92890
Accessory (optional)		
IR-PD-KNX	grey	92123
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-KNX-GH-FC



„Size comparison“



Detector

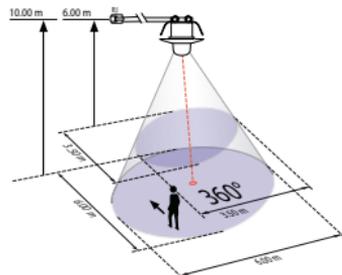
Power supply

i PRODUCT INFORMATION

- KNX mini occupancy detector with integrated bus connector, for high-bay applications
- When using the application **B.E.G.-DIM-HKL-V5.0**, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-dependent constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control

■ TECHNICAL DATA

- ⌚ 24 V DC from KNX-BUS network
- 📡 360°
- 📏 max. Ø 6 m
- ⚠ Light control feasible up to 5 m
- 📦 IP □ FC= IP20 / Class II
- 🌡 -25 °C to +55 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 📏 45 cm (screened)
- 📡 IR-PD-KNX
- 📦 **For integration in KNX-BUS systems**



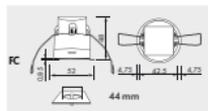
■ Walking across

Description	Colour	Part number
PD9-KNX-GH-FC	white	92891
Accessory (optional)		
IR-PD-KNX	grey	92123
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD11-KNX-FLAT-FC



FC



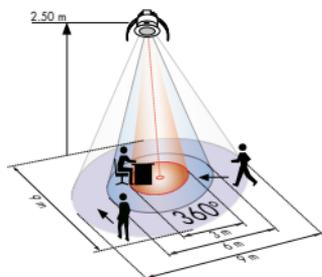
FC

PRODUCT INFORMATION

- Low profile KNX occupancy detector with integrated KNX bus connector
- When using the application **B.E.G.-DIM-HKL-V5.0**, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-dependent constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control

■ TECHNICAL DATA

- 24 V DC from KNX-BUS network
- 360°
- Ø 9 m across
- Ø 6 m towards
- Ø 3 m seated
- FC= IP20 / Class II
- 25 °C to +55 °C
- Housing UV- and shock resistant polycarbonate
- IR-PD-KNX
- For integration in KNX-BUS systems**



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD11-KNX-FLAT-FC	white	92893
Accessory (optional)		
IR-PD-KNX	grey	92123

LUXOMAT® PD2-LON-SM/-FC



FC

SM



FC

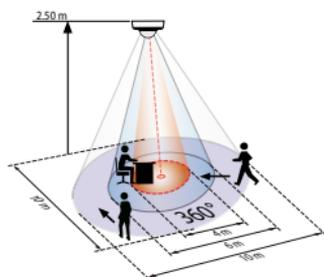
SM

PRODUCT INFORMATION

- LON occupancy detector
- The following device functions are provided as bus variables:
 - Light sensor/ 20100
 - Occupancy sensor/ 20106
 - Occupancy controller/ 21504
 - Constant light controller/ 21502
 - Space comfort controller/ 23200
 - Switch/ 21201
 - Scene panel/ 21205
- Push button manual switching available

TECHNICAL DATA

- ⌚ 24 V DC
- ⌚ 360°
- ⌚ Ø 10 m across
- ⌚ Ø 6 m towards
- ⌚ Ø 4 m seated
- IP □ AP= IP20 DE= IP20 / Class II
- ⌚ -25°C to +50°C
- Housing UV- and shock resistant polycarbonate
- ⌚ RC-LLW
- **For integration in LON-BUS systems**



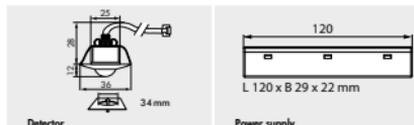
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD2-LON-FC	white	92301
PD2-LON-SM	white	92300
Accessory (optional)		
RC-LLW	grey	92332
Socket IP54 for PD2- and PD4-SM	white	92161
Wire basket BSK (Ø 200 x 100)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Wire basket BSK (Ø 200 x 100)	white	92199

LUXOMAT® PD9-LON-FC



DE



Detector

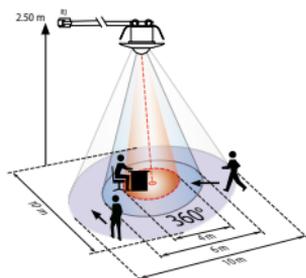
Power supply

PRODUCT INFORMATION

- LON occupancy detector
- The following device functions are provided as bus variables:
 - Light sensor/ 20100
 - Occupancy sensor/ 20106
 - Occupancy controller/ 21504
 - Constant light controller/ 21502
 - Space comfort controller/ 23200
 - Switch/ 21201
 - Scene panel/ 21205
- Push button manual switching available

■ TECHNICAL DATA

- 24 V DC
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- FC= IP20 / Class II
- 25°C to +50°C
- Housing UV- and shock resistant polycarbonate
- 45 cm (screened)
- RC-LLW
- For integration in LON-BUS systems**



- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-LON-FC	white	92930
Accessory (optional)		
RC-LLW	grey	92332
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

Cover for B.E.G. motion detector

- LUXOMAT® PD2-SM+FM – Part no. 92260**



The blinds have nominal breaks at regular distance. The detection area can therefore be accurately adapted to your needs.



PD2-SM

PD2-SM
with blinds

- LUXOMAT® PD2-FC – Part no. 36635**



The blinds have nominal breaks at regular distance. The detection area can therefore be accurately adapted to your needs.



PD2-FC

PD2-FC
with blinds

- LUXOMAT® PD3N-SM+FC+FM – Part no. 37367**



The blinds have nominal breaks at regular distance. The detection area can therefore be accurately adapted to your needs.



PD3N-SM

PD3N-SM
with blinds

- LUXOMAT® PD4-SM+FC+FM – Part no. 92313**



The blinds have nominal breaks at regular distance. The detection area can therefore be accurately adapted to your needs.



PD4-FM

PD4-FM
with blinds

- LUXOMAT® Mini motion detector PD9 – Part no. 32702**



PD9-FC

PD9-FC
with blinds

- LUXOMAT® Mini motion detector PD9-GH for great heights – Part no. 33207**



PD9-GH-FC

PD9-GH-FC
with blinds

- LUXOMAT® PICO-FC – Part no. 37731 / PD11-FC – Part no. 38522**



PICO-FC

PICO-FC
with blinds

PD11-FC

PD11
with 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.

Arc-extinction kit for B.E.G. motion detectors

- LUXOMAT® Arc extinction kit – Part no. 10880**



L 62 x W 39 x H 24 mm

- LUXOMAT® Mini-Arc extinction kit – Part no. 10882**



L 50 x W 22 x H 10 mm

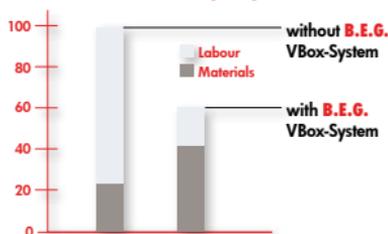
Installation instructions - RC suppressor:

- The RC suppressors supplied by **B.E.G.** provide any necessary suppression for your lighting installation. For technical reasons, voltage spikes when switching inductive loads (e.g. conventional ballasts), especially combined with long wiring runs, can lead to unexpected operation of ceiling or occupancy detectors.
- For large installations where many electronic ballasts are controlled in parallel, the use of RC suppressors is recommended. During installation, the proximity of sources of interference is important.
- The relevant circuit diagrams can be found from p. 139!

Modules for pre-wired ceiling-mounted motion detectors

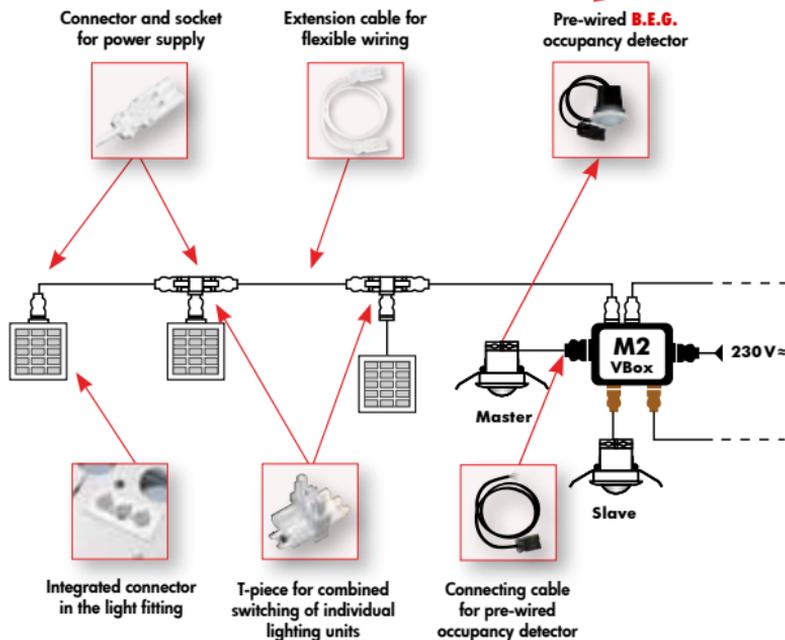


COST COMPARISON [in %]



- Fast, safe, error-free installation
- Easy connection
- Can be easily reconnected in the event of subsequent changes to the application – flexibility now and in the future
- Cost-efficient
 - » Up to 70% savings on labour costs
 - » Up to 30% savings on labour + materials

For additional information, please request our VBox catalogue



LUXOMAT® Motion and occupancy detectors for wall mounting



Unobtrusive and reliable

Automatic lighting operation in transit areas contributes significantly to safety, and offers greatly-increased convenience in homes. The **LUXOMAT®** Indoor 180 range of wall detectors blends in discreetly, and harmonises with your interior design. Their optimal size means that detectors can be combined with various switching arrangements. As well as the motion sensor, the range is equipped with acoustic sensors. Once activated by movement, every new movement and sound resets the individually-adjustable light-on time back to the beginning.

After the light-on time has run out and the light has switched off, there is an eight second delay during which it can be switched on again by sound or movement. Once this time has passed, only a new movement will switch it on again.

The ability to reactivate the light by sound is especially useful in rooms where not all areas are easily covered. An example is toilets, where dividing walls mean movement cannot be detected.

The IP54 version of the **LUXOMAT®** Indoor 180 can also be installed in high-humidity locations such as cellar stairs or garages.

The Indoor 180 range can be ordered either with a pre-fitted **B.E.G.** design surround or without a surround. For detector installations without a surround, we offer self-fit surrounds in 5 different colours. Please note that the pre-fitted surrounds have a different inside measurement to the self-fit ones.

INDOOR 140-L – Flush mount, IP20

The Indoor 140-L can be ordered as sensor insert without covering. For combination with the sensor insert, we offer coverings for self-mounting having various colours and surfaces. The inner dimensions of these coverings are 60x60 mm.

Sensor with coverage



Sensor without coverage



Sensor without coverage



Covering IP20



Indoor 140-L



traffic white, shining
similar RAL9016
94340



pure white, shining
similar RAL9010
94342



pure white,
similar RAL9010
94343



anthracite,
similar RAL7021
94341



cream white,
similar RAL1013
94344

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 50x50 mm.

Sensor with coverage



EU-Version



UK-Version

Sensor without coverage



EU-Version



50 mm



traffic white,
similar RAL9016
92641



pure white,
similar RAL9010
92630



cream white,
similar RAL1013
92632



anthracite,
similar RAL7021
92634



silver,
similar RAL9006
92633

INDOOR 180 – Flush mount, IP54



Combined with other operating systems, see table below

Sensor insert

Single or multiple part
of the switch program

Intermediate frames as an
adapter for standard
50 x 50 mm after DIN 49075

Covering for
Indoor 180,
differs
colours

Indoor 180



Switching with 1-channel motion detectors with simple light measurement

Motion detectors	Page				Clip	Simple light measurement	Motion detectors	Remote controllable	Range	Additional functions
Indoor 140-L	115	-	-	94325	-	■	■	-	max. r = 8 m	Switchfunction and downlight
Indoor 180-R	116	-	-	EU: 92623 UK: 92610	-	■	■	-	max. r = 10 m	Relay version with Acoustic
Indoor 180-T	117	-	-	EU: 92622 UK: 92611	-	■	■	-	max. r = 10 m	Triac version with Acoustic
Indoor 180-R2D	118	-	-	EU: 92616 UK: 92615	-	■	■	-	max. r = 10 m	Relay version with Acoustic
Indoor 180-SC	120	-	-	92650	-	■	■	-	max. r = 10 m	for staircase switches

11-48V Occupancy detector

Indoor 180-R11-48V-3A	119	-	-	92666	-	■	■	-	max. r = 10m	-
Indoor 180-R11-48V-RR	119	-	-	92667	-	■	■	-	max. r = 10m	with Reed relay

Occupancy detectors for KNX BUS for switching or dimming

Indoor 180-KNX	124	-	-	92892	-	■	■	-	max. r = 10m	for dimming
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Switching with 2-channel Master with Daylight appraisal

Indoor 180-M2C	122	-	-	92136	-	■	■	■	max. r = 10 m	-
----------------	-----	---	---	-------	---	---	---	---	---------------	---

Slave Occupancy detector

Indoor 180-S	123	-	-	92135	-	-	■	-	max. r = 10m	-
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Occupancy detector for LON-BUS

Indoor 180-LON	125	-	-	92663	-	■	■	■	max. r = 10m	-
----------------	-----	---	---	-------	---	---	---	---	--------------	---

Cover for B.E.G. motion detector

- LUXOMAT® Indoor 180 – Part no. 33233



- to mask recording below the mounting height (to prevent small animals being detected)

Indoor 180
with blind

- LUXOMAT® Indoor 180 – Part no. 92294



- for adapting the detector's detection area to the local circumstances

- LUXOMAT® Indoor 180 – Part no. 35126



- Centre plate for installing a sensor insert Indoor 180 in a modular push button
Dimensions 55 x 55 mm, angled corners

- LUXOMAT® Indoor 180 – Part no. 35127



- Centre plate for installing a sensor insert Indoor 180 in a modular push button
Dimensions: 55 x 55 mm, rounded corners

- 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.

Protection against vandalism for Indoor 180

- LUXOMAT® Protection against vandalism – Part no. 92018



- Protection of the potentiometer cap against unwanted removing

Arc-extinction kit for B.E.G. motion detectors

- LUXOMAT® Arc extinction kit – Part no. 10880



L 62 x W 39 x H 24 mm

- LUXOMAT® Mini-Arc extinction kit – Part no. 10882



L 50 x W 22 x H 10 mm

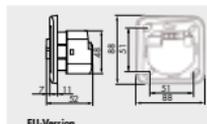
Installation instructions - RC suppressor:

- The RC suppressors supplied by **B.E.G.** provide any necessary suppression for your lighting installation.
For technical reasons, voltage spikes when switching inductive loads (e.g. conventional ballasts), especially combined with long wiring runs, can lead to unexpected operation of ceiling or occupancy detectors.
- For large installations where many electronic ballasts are controlled in parallel, the use of RC suppressors is recommended. During installation, the proximity of sources of interference is important.
- The relevant circuit diagrams can be found from p. 139!

LUXOMAT® Indoor 140-L



EU-Version



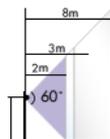
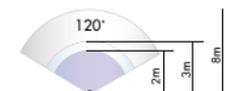
EU-Version

i PRODUCT INFORMATION

- Wall-mounted occupancy detector with integrated push-button
- One channel for switching light (selectively main light or night light)
- Integrated downlight with the function of an orientation or a night light
- Extension of the detection range possible by using another Indoor 140-L
- Master / Slave
- Please order coverings separately; available in various colours

■ TECHNICAL DATA

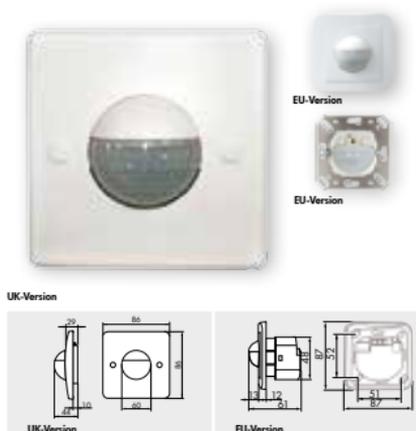
- ⊖ 110-240 V AC , 50 / 60 Hz
- 120°
- ∅ 10 m across
∅ 3 m towards
- ⚡ recommended mounting height
1 - 1.2m
- IP IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
2000 W, $\cos \varphi = 1$
1000 VA, $\cos \varphi = 0.5$
- 🕒 15 s - 30 min



- Walking across
- Walking towards
- Smaller movements

Description	Colour	Part number
Indoor 140-L covering not included (European version)	white	94325
Accessory (optional)		
Covering IP20	traffic white, RAL 9016	94340
Covering IP20	anthracite, RAL 7021	94341
Covering IP20	pure white, RAL 9010	94342
Covering IP20	pure white, mat RAL 9010	94343
Covering IP20	creme white, RAL 1013	94344

LUXOMAT® Indoor 180-R

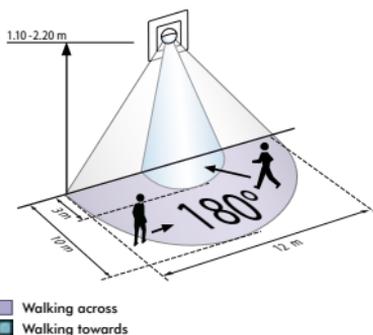


■ TECHNICAL DATA

- 110-240 V AC, 50 / 60 Hz
- 180°
- max. 10 m
- Mounting height max. 2.2m
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- 2300 W, $\cos \varphi = 1$
- 1150 VA, $\cos \varphi = 0.5$
- 15 s - 16 min or pulse
- 2 - 2000 Lux

❗ PRODUCT INFORMATION

- Wall occupancy detector with acoustic sensor
- Relay version with three-wire technology
- Noise automatically extends light-on time
- Available with surround (interior cover dimensions 60x60 mm) or without surround for use with faceplate (interior cover dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes
- Push button manual switching available

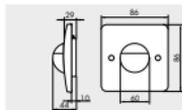


Description	Colour	Part number
Indoor 180-R, covering included (UK version)	pure white, RAL 9010	92610
Indoor 180-R, covering included (European version)	pure white, RAL 9010	92623
Indoor 180-R, covering not included (European version)	-	92665
Accessory (optional)		
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127

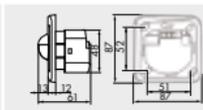
LUXOMAT® Indoor 180-T



UK-Version



UK-Version



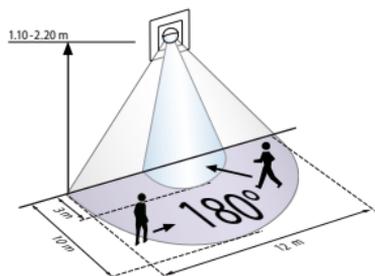
EU-Version

i PRODUCT INFORMATION

- Wall occupancy detector with acoustic sensor
- Triac version with 2-wire technology, no neutral
- Only for resistive loads
- Noise automatically extends light-on time
- Available with surround (interior cover dimensions 60x60 mm) or without surround for use with faceplate (interior cover dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes

■ TECHNICAL DATA

- ⚡ 110-240 V AC , 50 / 60 Hz
- ☞ 180°
- 📏 max. 10 m
- ⚠ Mounting height max. 2.2m
- 📦 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- Channel 1 (control the lighting)**
- ⚡ 300 W / min. 40 W, $\cos \varphi = 1$
- 🕒 15 s - 16 min or pulse
- ☀ 2 - 2000 Lux



- 👤 Walking across
- 👤 Walking towards

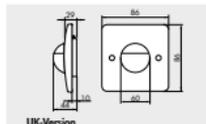
Description	Colour	Part number
Indoor 180-T covering included (UK version)	pure white, RAL 9010	92611
Indoor 180-T covering included (European version)	pure white, RAL 9010	92622
Indoor 180-T covering not included (European version)	-	92664
Accessory (optional)		
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127

LUXOMAT® Indoor 180 R-2D

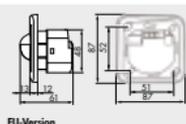


EU-Version

UK-Version



UK-Version



EU-Version

■ TECHNICAL DATA

110-240 V AC , 50 / 60 Hz 5 x
NiMH / 30 AAAA

1,2 V / 200 mAh

180°

max. 10 m

Mounting height max. 2.2m

IP20 / Class II

+5 °C to +45 °C

Housing UV- and shock resistant polycarbonate

Channel 1 (control the lighting)

180-R-2D 2300 W, $\cos \varphi = 1$

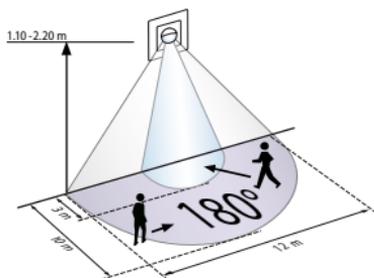
180-R/2W-UK 3000 W, $\cos \varphi = 1$

15 s - 16 min or pulse

2 - 2000 Lux

📄 **PRODUCT INFORMATION**

- Wall occupancy detector with acoustic sensor
- Relay version with 2-wire technology thanks to inbuilt battery
- Noise automatically extends light-on time
- Including surround (interior cover dimensions 60 x 60 mm)



- Walking across
- Walking towards

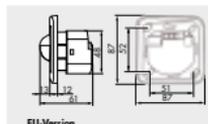
Description	Colour	Part number
Indoor 180-R/2W-UK, covering included (UK version)	pure white, RAL 9010	92615
Indoor 180-R-2D covering included (European version)	pure white, RAL 9010	92616
Accessory (optional)		
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127

LUXOMAT® Indoor 180-R-11-48V



EU-Version

EU-Version



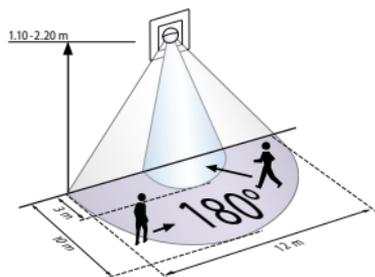
EU-Version

■ TECHNICAL DATA

- ⊖ 11 - 48 V AC/DC
- ☯ 180°
- 📏 max. 10 m
- ⚠ Mounting height max. 2.2m
- 📦 IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- Channel 1**
- ⚡ **3A-Version:** 3 A cos φ = 1
- ⚡ **RR-Version:** with Reed-Relay, 100 mA, cos φ = 1
- 🕒 15 s - 30 min or Test
- ☀ 2 - 2000 Lux

i PRODUCT INFORMATION

- Wall occupancy detector with acoustic sensor, operating voltage 11-48 V
- One potential-free switching channel
- Available with surround (interior cover dimensions 60x60mm) or without surround for use with faceplate (interior cover dimensions 50x50mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes
- Push button manual switching available



- Walking across
- Walking towards

Description	Colour	Part number
Indoor 180-R-11-48V-3A covering included	white	92621
Indoor 180-R-11-48V-3A covering not included	-	92666
Indoor 180-R-11-48V-RR covering not included	-	92667
Accessory (optional)		
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127

LUXOMAT® Indoor 180-SC

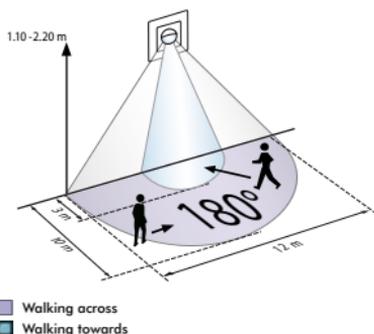


■ TECHNICAL DATA

- 110-240 V AC , 50 / 60 Hz Power supply via staircase switch (230 V)
- 180°
- max. 10 m
- Mounting height max. 2.2m
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- max. 200 mA / 230 V
- Impulse duration: 0,1 s**
Suppression of light level threshold
- 2 - 2000 Lux

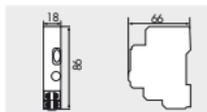
① PRODUCT INFORMATION

- Wall occupancy detector designed for stair light timer switches
- Triac version with 2-wire technology, no neutral
- Available with surround (interior cover dimensions 60x60 mm) or without surround for use with faceplate (interior cover dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes
- Guarantees correct operation with the **LUXOMAT® SCT1** (max. 10 sensors per unit)



Description	Colour	Part number
Indoor 180-SC covering included	pure white, RAL 9010	92650
Indoor 180-SC covering not included	-	92668
Accessory (optional)		
SM-Socket for Indoor 180	pure white	92141
SCT1	white	92655
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127

LUXOMAT® SCT1



i PRODUCT INFORMATION

- Stair light timer switch designed for use with Indoor 180-TR or for pushbuttons
- 1 slot when mounted on DIN rails
- Manual switch for timer or constant light operation
- Early switch-off warning with light-on times >2 min.
- Time of operation can be extended with additional button press

■ TECHNICAL DATA

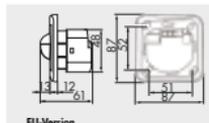
- ~ 230 V AC +/- 10 %
- IP □ □ IP20 / Class II
- 🌡️ -25 °C to +50 °C
- ☐ Housing UV- and shock resistant polycarbonate
- 2300 W/10 A, $\cos \varphi = 1, 3$ or 4-wire circuit, max. 100 mA in standby mode for illuminated switches with glow lamps
- 🕒 30 s - 10 min

Description	Colour	Part number
SCT1	white	92655
Accessory (optional)		
Indoor 180-SC covering included	pure white, RAL 9010	92650
Indoor 180-TR covering not included	-	92668

LUXOMAT® Indoor 180-M-2C



EU-Version



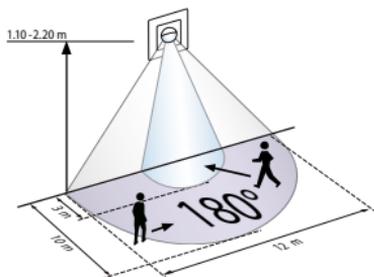
EU-Version

PRODUCT INFORMATION

- Wall occupancy detector with acoustic sensor, as master
- One switching channel for operating the light
- One potential-free contact for HVAC
- Detection area can be extended with Slave units
- Available with surround (interior cover dimensions 60x60 mm) or without surround for use with faceplate (interior cover dimensions 50x50 mm) in 5 different colours
- Noise automatically extends light-on time
- Suitable (with adapter) for all common flush-mounted switch makes

TECHNICAL DATA

- ⚡ 110 - 240 V AC 50 / 60 Hz
- 📐 180°
- 📏 max. 10 m
- ⚠️ Mounting height max. 2.2m
- 📦 IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Housing UV- and shock resistant polycarbonate
- 🔧 IR-PD-Mini, IR-PD-2C
- Channel 1 (control the lighting)**
- 💡 2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
- 🕒 15 s - 30 s or pulse
- ☀️ 2 - 2000 Lux
- Channel 2 (control HVAC potential free)**
- ⚡ Dry contact type NO 3A, 230V, $\cos \varphi = 1$
- 🕒 Alarm pulse, pulse or 5 - 120



- Walking across
- Walking towards

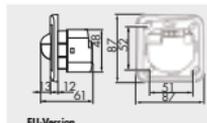
Description	Colour	Part number
Indoor 180-M-2C covering included	pure white	92136
Indoor 180-M-2C covering not included	-	92661
Accessory (optional)		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127

LUXOMAT® Indoor 180-S



EU-Version

EU-Version



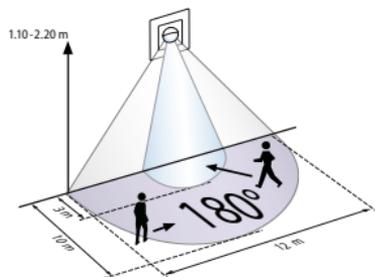
EU-Version

PRODUCT INFORMATION

- Slave wall occupancy detector
- For extending the detection area of a Master unit
- Compatible with all Master units except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB
- Available with surround (interior cover dimensions 60x60 mm) or without surround for use with faceplate (interior cover dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes

■ TECHNICAL DATA

-  110-240 V AC , 50 / 60 Hz
-  180°
-  max. 10 m
-  Mounting height max. 2.2m
-  IP20 / Class II
-  -25 °C to +50 °C
-  Housing UV- and shock resistant polycarbonate
- Slave**
-  230V



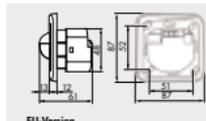
-  Walking across
-  Walking towards

Description	Colour	Part number
Indoor 180-S covering included	pure white	92135
Indoor 180-S covering not included	-	92660
Accessory (optional)		
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127

LUXOMAT® Indoor 180-KNX



EU-Version



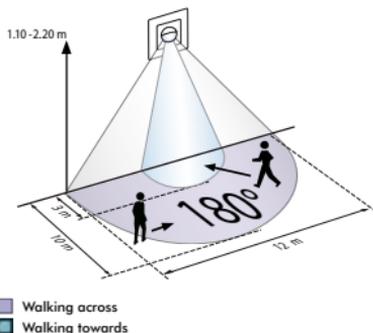
EU-Version

 **PRODUCT INFORMATION**

- KNX wall occupancy detector with integrated KNX bus connector
- When using the application **B.E.G.-DIM-HKL-V5.0**, several operation modes are available:
 1. Automatic or semi-automatic mode with daylight-dependent constant light control or switching output
 2. Slave mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Threshold values and follow-up times can be changed for all channels using communication objects
- Burn-in function with adjustable burn-in time from 1 to 100 hours
- With activatable motion LED, deactivatable via ETS parameter, communication object or remote control
- For use with faceplate (interior cover dimensions 50x50mm) in 5 different colours

■ **TECHNICAL DATA**

-  24V DC from KNX-BUS-network
-  180°
-  max. 10 m
-  Mounting height max. 2.2m
-  IP20 / Class II
-  -25 °C to +55 °C
-  Housing UV- and shock resistant polycarbonate
-  IR-PD-KNX
- KNX**
-  **For integration in KNX-BUS systems**

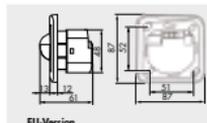


Description	Colour	Part number
Indoor 180-KNX-FM covering not included	-	92892
Accessory (optional)		
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127
Covering IP20	pure white, RAL 9010	92630
Covering IP20	creme white, RAL 1013	92632
Covering IP20	silver, RAL 9006	92633
Covering IP20	anthracite, RAL 7021	92634
Covering IP20	traffic white, RAL 9016	92641
Covering IP54	pure white, RAL 9010	92139

LUXOMAT® Indoor 180-LON



EU-Version



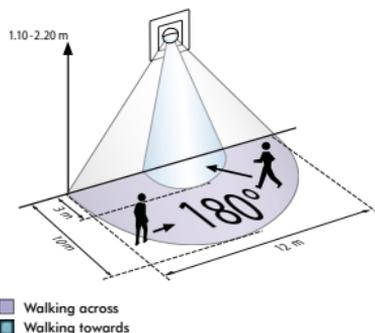
EU-Version

i PRODUCT INFORMATION

- LON wall occupancy detector
- The following device functions are provided as bus variables:
 - Light sensor/ 20100
 - Occupancy sensor/ 20106
 - Occupancy controller/ 21504
 - Constant light controller/ 21502
 - Space comfort controller/ 23200
 - Switch/ 21201
 - Scene panel/ 21205
- Push button manual switching available
- For use with faceplate (interior cover dimensions 50x50mm) in 5 different colours

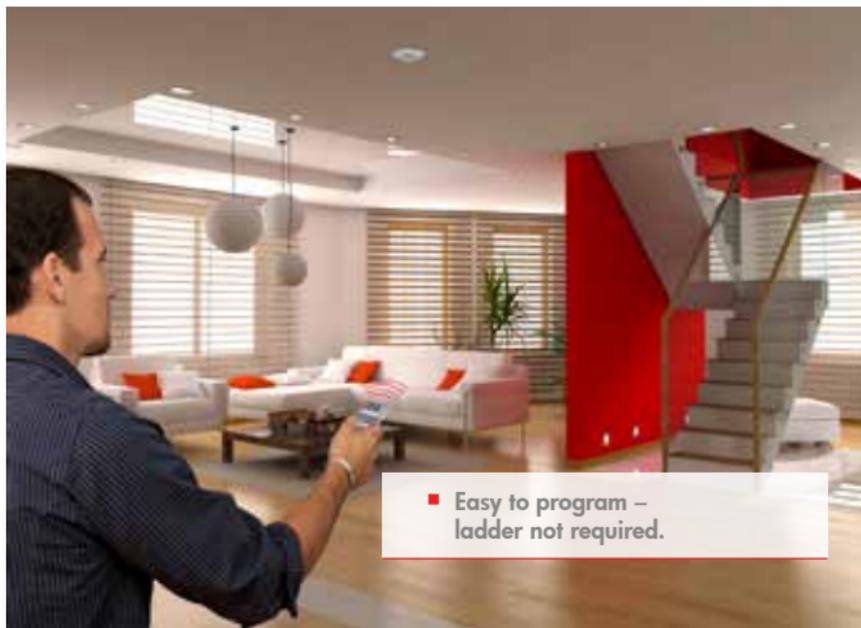
■ TECHNICAL DATA

- ⊖ 24 V DC
- ⦿ 180°
- max. 10 m
- Mounting height max. 2.2m
- IP20 / Class II
- 25 °C to +50 °C
- Housing UV- and shock resistant polycarbonate
- RC-LLW
- For integration in LON-BUS systems**



Description	Colour	Part number
Indoor 180-LON covering not included	-	92663
Accessory (optional)		
RC-LLW	grey	92332
SM-Socket for Indoor 180	pure white	92141
Protection against vandalism for Indoor 180	-	92018
Centre plate for modular push button (angled corners)	white	35126
Centre plate for modular push button (rounded corners)	white	35127
Covering IP20	pure white, RAL 9010	92630
Covering IP20	creme white, RAL 1013	92632
Covering IP20	silver, RAL 9006	92633
Covering IP20	anthracite, RAL 7021	92634
Covering IP20	traffic white, RAL 9016	92641
Covering IP54	pure white, RAL 9010	92139

LUXOMAT® Infrared remote control – for adjustment of motion and occupancy detectors



- Easy to program – ladder not required.

Quick and easy

The **B.E.G.** infrared remote controls make it simple to program and adjust **B.E.G.** motion and occupancy detectors from the ground. At the same time, the remote controllers offer a whole range of optional settings which are not available when using the dials.

So, for example, using the “eye” button, the light level currently in the room can be read in as the trigger value, or using the LED button, the detector function display can be switched

off. Each of our remotely controlled detectors has a compatible remote control unit with custom functions.

So, for example, using the “eye” button, the light level currently in the room can be read in as the trigger value, or using the LED button, the detector function display can be switched off. Each of our remotely controlled detectors has a compatible remote control unit with custom functions.

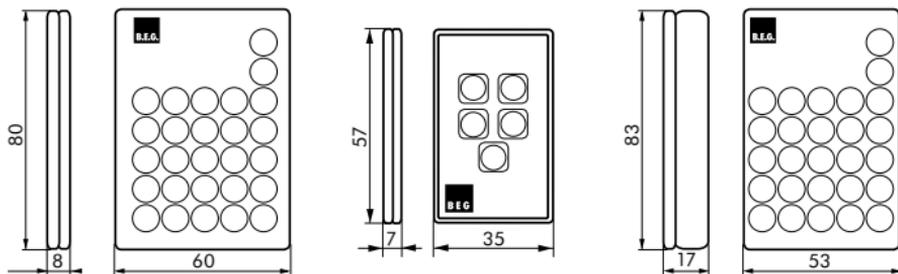
Overview of remote controls for motion and occupancy detectors

Remote control	Part number	Page	RC-plus next	LC-plus 280	PD1N	PD2	PD3N	PD4	PD5	PD9	PICO	PD11	Indoor 180
IR-RC	92000	130	*	-	-	-	-	-	-	-	-	-	-
IR-RC-LD	92649	130	*	-	-	-	-	-	-	-	-	-	-
IR-RC-Mini	92090	130	*	-	-	-	-	-	-	-	-	-	-
IR-LC-plus	92095	130	-	*	-	-	-	-	-	-	-	-	-
IR-LC-Mini	92093	131	-	*	-	-	-	-	-	-	-	-	-
IR-PD3N	92105	131	-	-	-	-	PD3N-1C (Micro)	PD4N-1C PD4N-1C-C	-	-	-	-	-
IR-PD3N-2C	92115	131	-	-	-	-	PD3N-2C	-	-	-	-	-	-
IR-SMARTHOME	90162	131	RC-plus next 230 ZW	-	-	-	PD3N-ZW	-	-	-	-	-	-
IR-PD (devices before 2011)	92160	132	-	-	-	-	-	-	PD5-M-1C	-	-	-	Indoor 180-M-2C
IR-PD-Mini	92159	132	-	-	PD1N-M-2C	PD2-M-1C PD2-M-2C	-	PD4-M-1C PD4-M-1C-GH PD4-M-2C PD4-M-2C-C	PD5-M-1C	PD9-M-1C-SDB-IP65(-GH) PD9-M-1C+HVAC	-	PD11-M-1C	Indoor 180-M-2C
IR-PD-1C	92520	132	-	-	-	PD2-M-1C	-	PD4-M-1C	-	PD9-M-1C (-GH)	PICO-M-1C	PD11-M-1C	-
IR-PD-2C	92475	132	-	-	PD1N-M-2C	PD2-M-2C	-	PD4-M-2C PD4-M-2C-C	-	PD9-M-1C+HVAC	-	-	-
IR-PD-LD	92479	133	-	-	-	-	-	-	-	-	-	-	-
IR-PD4-GH	92215	133	-	-	-	-	-	PD4-M-1C-GH	-	-	-	-	-
IR-PD4-SP (devices before 2011)	92040	133	-	-	-	-	-	PD4-M-1C-PS	-	-	-	-	-
IR-PD9	92201	133	-	-	-	-	-	-	-	PD9-M-1C (-GH) vor 2011 PD9-M-1C-SDB-IP65(-GH)	-	-	-
IR-PD4-TRIO SWI	92102	134	-	-	-	-	-	PD4-M-3C-TRIO	-	-	-	-	-
IR-PD-DUO	92092	134	-	-	-	-	-	PD4-M-2C-DUO	-	-	-	-	-
IR-PDim	92200	134	-	-	PD1N-M-DIM	PD2-M-DIM	-	PD4-M-DIM PD4-M-DIM-C PD4-M-DIM-HVAC PD4-M-DUO-DIM	PD5-M-DIM	PD9-M-DIM (-GH)	-	-	-
IR-PD-DIM-Mini	92098	134	-	-	PD1N-M-DIM	PD2-M-DIM	-	PD4-M-DIM PD4-M-DIM-C PD4-M-DIM-HVAC PD4-M-DUO-DIM	PD5-M-DIM	PD9-M-DIM (-GH)	-	-	-
IR-PD4-TRIO	92097	135	-	-	-	-	-	PD4-M-TRIO-DIM	-	-	-	-	-
IR-PD-DIM-HVAC	92114	135	-	-	-	-	-	PD4-M-DIM-HVAC	-	PD9-M-DIM-HVAC	-	-	-
IR-PD-DALI	92094	135	-	-	-	PD2-DALI/DSI	-	PD4-DALI/DSI PD4-DALI/DSI-C PD4-DUO-DALI	-	PD9-DALI/DSI	-	-	-
IR-PD-DALI-Mini	135	-	-	-	-	PD2-DALI/DSI	-	PD4-DALI/DSI PD4-DALI/DSI-C PD4-DUO-DALI	-	PD9-DALI/DSI	-	-	-
IR-PD-DALI-LD	92479	136	-	-	-	PD2-DALI/DSI	-	PD4-DALI/DSI PD4-DALI/DSI-C PD4-DUO-DALI PD4-M-TRIO-DALI/DSI	-	PD9-DALI/DSI	-	-	-
IR-PD4-TRIO-DALI	92104	136	-	-	-	-	-	PD4-M-TRIO-DALI	-	-	-	-	-
IR-PD-DALI-1C	92116	136	-	-	-	PD2-M-DALI/DSI-1C PD2-M-DALI/DSI-HVAC	-	PD4-M-DALI/DSI-1C PD2-M-DALI/DSI-HVAC	-	-	-	-	-
RC-LLW	92332	136	-	-	-	PD2-LON	-	-	-	PD9-LON	-	-	Indoor 180-LON
IR-PD-DALI-E	92122	137	-	-	-	PD2-DALI/DSI	-	PD4-DUO-DALI PD4-M-DALI/DSI-1C	-	PD9-DALI/DSI	-	-	-
IR-PD-KNX	92123	137	RC-plus next-KNX	-	-	PD2-KNX	-	PD4-KNX PD4-KNX-GH PD4-KNX-C	-	PD9-KNX	-	PD11-KNX	Indoor-KNX

General

The following applies to all **B.E.G.** infrared remote controls:

- Available functions differ by remote control model.
- Button colours may vary, the symbol is the key to each function
- Technical Data:
 - **Size:** L80 x W60 x D8 mm (27 or 32 button),
L57 x W35 x D7 mm (Mini),
L83 x W53 x D17 mm (IR-PD-LD, IR-RC-LD)
 - **Battery:** Lithium CR2032, 3 Volt (included)
 - **Range:** cloudy or dark: 5-6 m, direct sunlight: 2-3 m



Programming function overview

	Programming mode Open/Close blocks the functioning of the remaining buttons after successful setting (child and tamper protection)		Light-on time Adjustment for lighting (or, if installed, HVAC or orientation lighting) 15sec - 120 min (depending on model)
	Day mode Always triggered by movement		Pulse function For sending a short pulse when motion is detected for about 1 second
	Twilight mode 1 Triggered at about 100lux = starting to get dark		Orientation light Manual on and off for orientation lighting (predefined percentage or adjustable)
	Twilight mode 2 Triggered at about 25 lux = nearly dark		Orientation lighting ON/OFF
	Night mode Triggered only when dark		RESET Reset all functions

	Twilight level Adjustable from 10 to 1500 lux according to model. Recommendation: Rooms with daylight 300 lux, rooms with no daylight 1000 lux	
	Read-in function Storage of current light value as nominal value	
	Determine trigger value on room's ceiling by progressive increase in lux levels	
	Test mode For testing the detection area with a walk test	
	Holiday and convenience mode Automatic switching on/off of lighting when stored twilight value is reached	
	Convenience mode Automatically switches on constant light for 60 minutes when light falls below chosen twilight value (e.g. to simulate someone being present)	
	Party mode To switch lights on/off for 12 hours	
	Alarm mode Connected light blinks after movement detected 3 times	
	LED mode Switches function display on/off	
	Creep protection Switches 360° creep zone on/off	
	Detector range Set range by changing sensitivity	
	Detector function Change between motion detection and twilight switching	
	Sensitivity Change Between normal/high sensitivity	
	Permanent tamper protection Permanent locking of detector; only the remote control ON/OFF function is active	
	100 h function For burn-in of lamps, dimming not possible	
	DSI-/DALI mode Change between DSI and DALI: factory default is DALI (green LED)	
	Semi-automatic/fully automatic Change mode (see numbered illustration for specific channel)	
	Lighting off No movement sensing for 2 seconds afterwards: enables detection area to be vacated (see numbered illustration: additional function "choose channel" for light value setting)	
	Dimming Set nominal value for Dali or dimming units, store with "eye" button (if applicable, also for orientation light setting 10-30%)	
	ON/OFF Switching of 1st and 2nd or 3rd channel (= button) is possible even in tamper-protection mode	
	Detector function Change between motion and occupancy detection	
	ON/OFF Switching of 1st and 2nd or 3rd channel (= button) is possible even in tamper-protection mode	
	Detector function Change between motion and occupancy detectors	

LUXOMAT® IR-RC



SUITABLE FOR:

- RC-plus next 130
- RC-plus next 230
- RC-plus next 280

Description	Colour	Part number
IR-RC	grey	92000

LUXOMAT® IR-RC-LD



SUITABLE FOR:

- RC-plus next 130
- RC-plus next 230
- RC-plus next 280

Description	Colour	Part number
IR-RC-LD	grey	92649

LUXOMAT® IR-RC-MINI



SUITABLE FOR:

- RC-plus next 130
- RC-plus next 230
- RC-plus next 280

Description	Colour	Part number
IR-RC-Mini	grey	92090

LUXOMAT® IR-LC



SUITABLE FOR:

- LC-plus 280

Description	Colour	Part number
IR-LC-plus	grey	92095

LUXOMAT® IR-LC-MINI



i SUITABLE FOR:

- LC-plus 280

Description	Colour	Part number
IR-LC-Mini	grey	92093

LUXOMAT® IR-PD3N-2C



i SUITABLE FOR:

- PD3N-2C

Description	Colour	Part number
IR-PD3N-2C	grey	92115

LUXOMAT® IR-PD3N



i SUITABLE FOR:

- PD4N-1C
- PD4N-1C-C
- PD3N-1C
- PD3N-1C-NO-PF
- PD3N-1C Micro

Description	Colour	Part number
IR-PD3N	grey	92105

LUXOMAT® IR-SMARTHOME



i SUITABLE FOR:

- PD3N-ZW
- RC-plus next 230 ZW

Description	Colour	Part number
IR-SMARTHOME	grey	90162

LUXOMAT® IR-PD

i SUITABLE FOR:

- PD5-M-1C-Clip

Description	Colour	Part number
IR-PD	grey	92160

LUXOMAT® IR-PD-1C

i SUITABLE FOR:

- PD2-M-1C
- PD4-M-1C-C-SP
- PD4-M-1C
- PD4-M-1C-C

Description	Colour	Part number
IR-PD-1C	grey	92520

LUXOMAT® IR-PD-MINI

i SUITABLE FOR:

- PD1N-M-2C
- PD2-M-2C
- PD4-M-2C
- PD4-M-2C-C
- PD2-M-1C
- PD4-M-1C
- PD4-M-1C-C
- PD4-M-1C-GH
- PD5-M-1C-Clip
- PD9-M-1C-GH
- Indoor 180-M-2C

Description	Colour	Part number
IR-PD-Mini	grey	92159

LUXOMAT® IR-PD-2C

i SUITABLE FOR:

- PD1N-M-2C
- PD2-M-2C
- PD4-M-2C
- PD4-M-2C-C
- Indoor 180-M-2C

Description	Colour	Part number
IR-PD-2C	grey	92475

LUXOMAT® IR-PD-LD



i SUITABLE FOR:

- PD2-M-1C
- PD4-M-1C-GH
- PD5-M-1C-Clip
- PICO-M-1C

Description	Colour	Part number
IR-PD-LD	grey	92479

LUXOMAT® IR-PD4-SP



i SUITABLE FOR:

- PD4-M-1C-C-SP

Description	Colour	Part number
IR-PD4-SP	grey	92040

LUXOMAT® IR-PD4-GH



i SUITABLE FOR:

- PD4-M-1C-GH

Description	Colour	Part number
IR-PD4-GH	grey	92215

LUXOMAT® IR-PD9



i SUITABLE FOR:

- PD9-M-1C-SDB-IP65
- PD9-M-1C-SDB-IP65-GH

Description	Colour	Part number
IR-PD9	grey	92201

LUXOMAT® IR-PD4-TRIO SWI



SUITABLE FOR:

- PD4-M-3C-TRIO

Description	Colour	Part number
IR-PD4-TRIO SWI	grey	92102

LUXOMAT® IR-PDIM



SUITABLE FOR:

- PD1N-M-DIM
- PD2-M-DIM
- PD4-M-DIM
- PD4-M-DIM-C
- PD4-M-DUO-DIM
- PD5-M-DIM-Clip
- PD9-M-DIM
- PD9-M-DIM-GH

Description	Colour	Part number
IR-PDim	grey	92200

LUXOMAT® IR-PD-DUO



SUITABLE FOR:

- PD4-M-2C-DUO

Description	Colour	Part number
IR-PD-DUO	grey	92092

LUXOMAT® IR-PD-DIM-MINI



SUITABLE FOR:

- PD1N-M-DIM
- PD2-M-DIM
- PD4-M-DIM-HVAC
- PD4-M-DIM
- PD4-M-DUO-DIM
- PD5-M-DIM-Clip
- PD9-M-DIM-GH

Description	Colour	Part number
IR-PD-DIM-Mini	grey	92098

LUXOMAT® IR-PD4-TRIO



SUITABLE FOR:

- PD4-M-TRIO-DIM

Description	Colour	Part number
IR-PD4-TRIO	grey	92097

LUXOMAT® IR-PD-DALI



SUITABLE FOR:

- PD2-M-DALI/DSI
- PD4-M-DALI/DSI
- PD4-M-DALI/DSI-C
- PD4-M-DUO-DALI/DSI
- PD9-M-DALI/DSI
- PD9-M-DALI/DSI-GH

Description	Colour	Part number
IR-PD-DALI	grey	92094

LUXOMAT® IR-PD-DIM-HKL



SUITABLE FOR:

- PD4-M-DIM-HVAC
- PD9-M-DIM+HVAC

Description	Colour	Part number
IR-PD-DIM-HKL	grey	92114

LUXOMAT® IR-PD-DALI-MINI



SUITABLE FOR:

- PD2-M-DALI/DSI
- PD4-M-DALI/DSI
- PD4-M-DALI/DSI-C
- PD4-M-DUO-DALI/DSI
- PD9-M-DALI/DSI
- PD9-M-DALI/DSI-GH

Description	Colour	Part number
IR-PD-DALI-Mini	grey	92112

LUXOMAT® IR-PD-DALI-LD**i SUITABLE FOR:**

- PD2-M-DALI/DSI
- PD4-M-DUO-DALI/DSI
- PD4-M-DALI/DSI
- PD4-M-TRIO-DALI
- PD9-M-DALI/DSI

Description	Colour	Part number
IR-PD-DALI-LD	grey	92652

LUXOMAT® IR-PD-DALI-1C**i SUITABLE FOR:**

- PD2-M-DALI/DSI-1C
- PD4-M-DALI/DSI-1C
- PD2-M-DALI/DSI-HVAC
- PD4-M-DALI/DSI-HVAC

Description	Colour	Part number
IR-PD-DALI-1C	grey	92116

LUXOMAT® IR-PD4-TRIO-DALI**i SUITABLE FOR:**

- PD4-M-TRIO-DALI

Description	Colour	Part number
IR-PD4-TRIO-DALI	grey	92104

LUXOMAT® RC-LLW**i SUITABLE FOR:**

- PD2-LON
- PD4-LON
- PD9-LON
- Indoor 180-LON

Description	Colour	Part number
RC-LLW	grey	92332

LUXOMAT® IR-PD-DALI-E



i SUITABLE FOR:

- PD2-M-DALI/DSI
- PD4-M-DUO-DALI/DSI
- PD4-M-DALI/DSI
- PD9-M-DALI/DSI

Description	Colour	Part number
IR-PD-DALI-E	grey	92122

LUXOMAT® IR-PD-KNX



i SUITABLE FOR:

- PD2-KNX
- PD4-KNX
- PD4-KNX-GH
- PD4-KNX-C
- PD9-KNX
- PD9-KNX-GH
- PD11-KNX-FLAT
- RC-plus next 230 KNX
- Indoor 180-KNX

Description	Colour	Part number
IR-PD-KNX	grey	92123

Wall bracket for remote controls

- LUXOMAT® IR-PD Wall bracket Part no. 92100

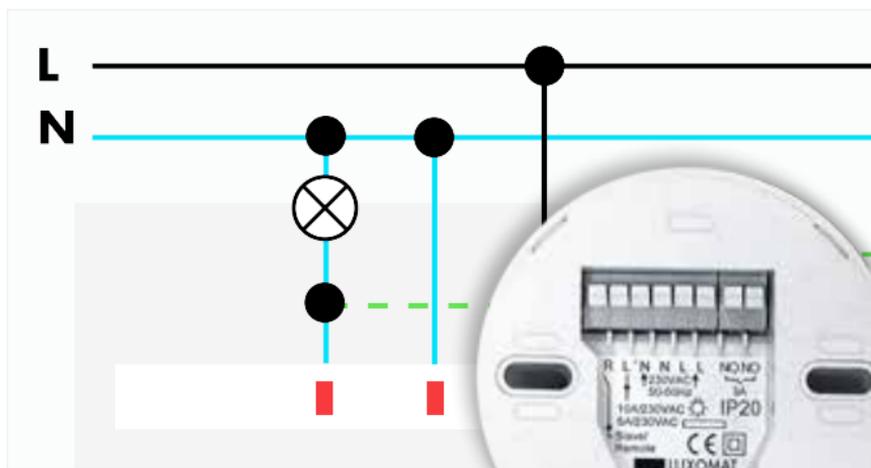


The IRPD comes complete with a practical wall bracket (dimensions 80 x 60 x 8 mm). Additional wall brackets can be ordered separately.



Remote control with wall bracket

LUXOMAT® Schematics for electricians and consultants



B.E.G. for top quality products – quick and simple to install

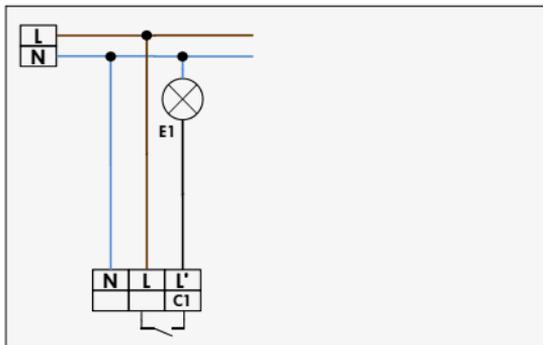
For over 35 years, we have stood for outstanding quality and reliable solutions. But **B.E.G.** quality goes far beyond perfect function and attractive design. It is based on the high standards demanded of our products, and begins right back at the development stage.

Here, no compromises are made: Developers at **B.E.G.** place great importance on high quality materials and innovative technology. They are constantly seeking the best solutions and researching new, user-friendly functions.

Even in the development stage we make sure our products can be installed quickly and with the minimum of effort. Various wiring options are possible with our motion and occupancy detectors. The following pages provide an overview, with circuit diagrams for the detectors in this catalogue.

If you need any advice, do not hesitate to contact us. Our field and office-based staff will be pleased to help you choose the right product and assist you with planning.

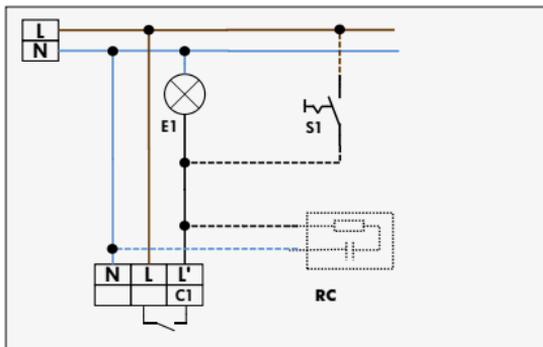
Standard mode with 1-channel motion detector



Wiring diagram for

- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C
- HF-MD1
- HF-H-MD1 Standard

Standard mode with 1-channel motion detector with permanent light function



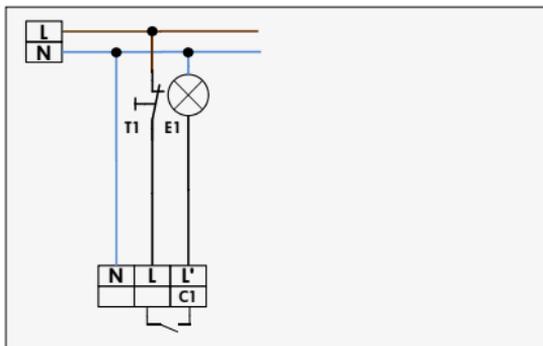
Wiring diagram for

- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C
- HF-MD1
- HF-H-MD1 Standard

optional:

- S1 = switch for permanent light
RC = RC-suppression kit if required

Standard mode with 1-channel motion detector with NC pushbutton



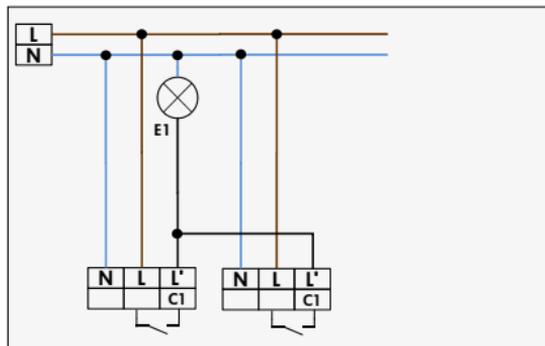
Wiring diagram for

- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C

T1 = NC button

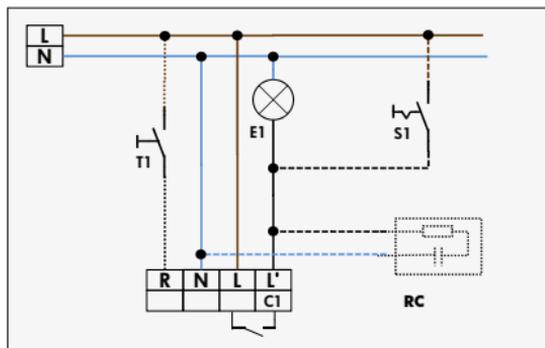
Manual switching additionally possible (press opener approx. 2sec.).
The position of the potentiometers should not be on "test" or "sun". If so, the pre-set time and safety values get lost.

Parallel connection with 1-channel motion detectors

**Wiring diagram for**

- RC-plus next max. 5 parallel
- LC-plus max. 5 parallel
- LC-Click-N max. 2 parallel
- LC-Mini max. 2 parallel
- PD3N-1C max. 8 parallel
- PD4N-1C max. 8 parallel
- PD9-1C max. 8 parallel
- HF-MD1 max. 5 parallel

Standard mode with 1-channel motion detector

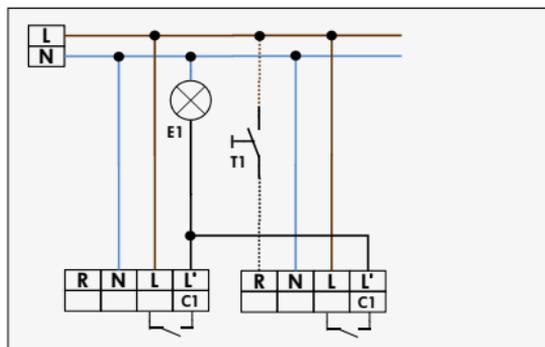
**Wiring diagram for**

- Indoor 180-R

optional:

- S1 = switch for permanent light
- T1 = NO button, manual switching additionally possible
- RC = RC-suppression kit if required

Parallel connection with 1-channel motion detectors

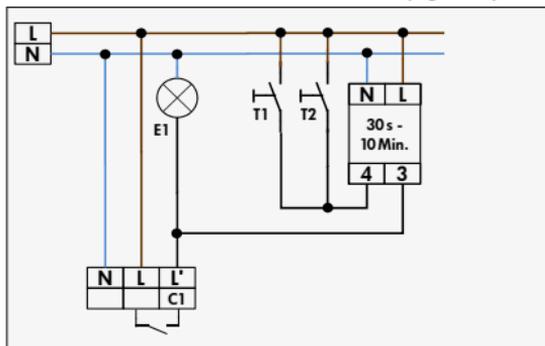
**Wiring diagram for**

- Indoor 180-R max. 8 parallel

optional

- T1 = NO button, manual switching additionally possible

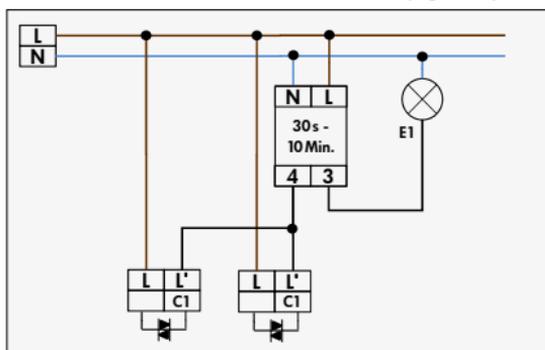
Standard mode with 1-channel motion detector (e.g. stairs)



Wiring diagram for

- RC-plus next
- LC-plus
- LC-Click-N
- LC-Mini
- PD3N-1C
- PD4N-1C
- PD9-1C

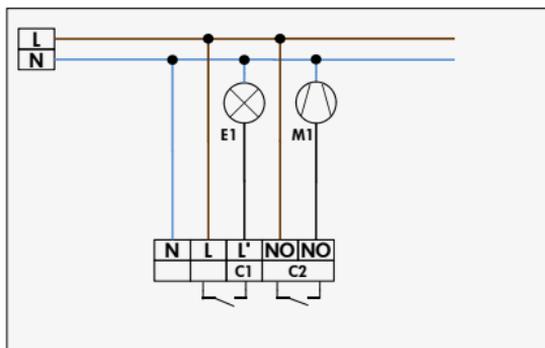
Standard mode with 1-channel motion detector (e.g. stairs)



Wiring diagram for

- Indoor 180-TR+SCT1
max. 10 Indoor 180-TR

Standard mode with 2-channel motion detector

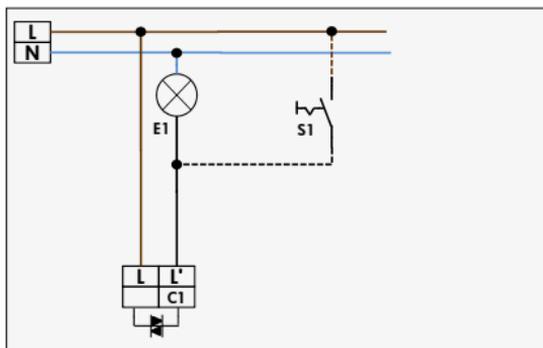


Wiring diagram for

- PD3N-2C

M1 = HVAC function

Standard mode with 2-wire technology, triac

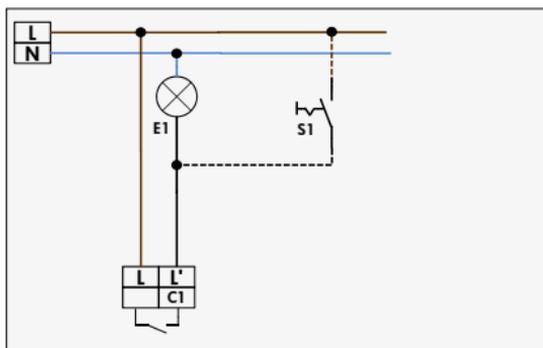
**Wiring diagram for**

- Indoor 180-T

optional

S1 = switch for permanent light

Standard mode with 2-wire technology, relay

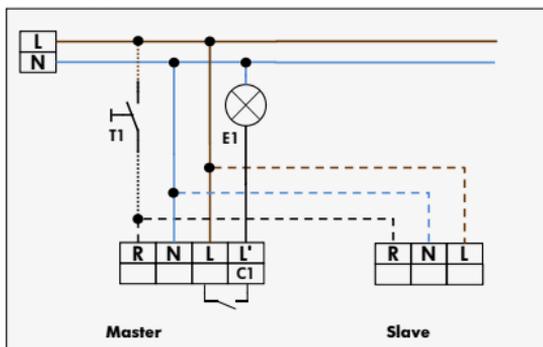
**Wiring diagram for**

- Indoor 180-R/2W-UK
- Indoor 180-R-2D

optional

S1 = switch for permanent light

Standard mode with Master 1-channel occupancy detectors with R terminal

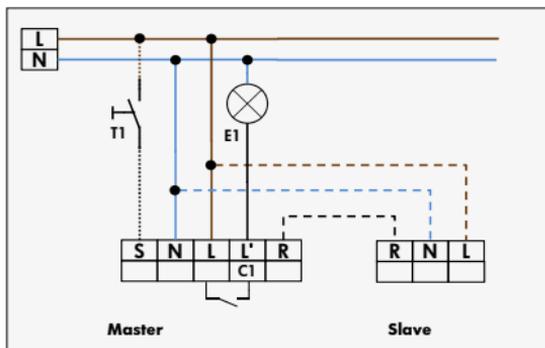
**Wiring diagram for**

- PD5-M-1C
- PICO-M-1C

optional

T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with Master 1-channel occupancy detectors with R and S terminal



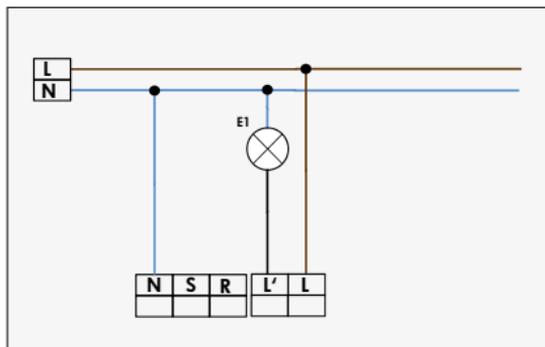
Wiring diagram for

- PD9-M-1C

optional

T1 = NO button for semi-automatic mode Slave for enlargement of detection area

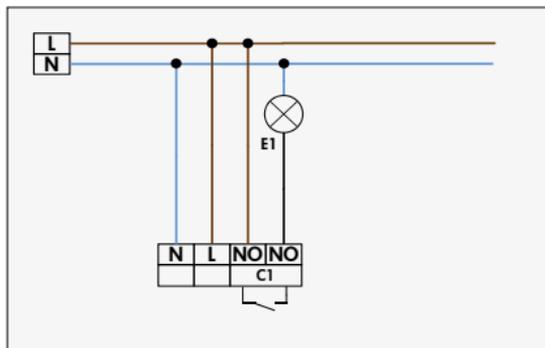
Standard mode with Master 1-channel occupancy detectors



Wiring diagram for

- PD11-M-1C-FLAT

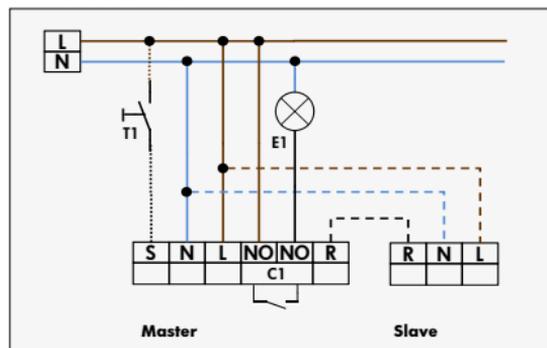
Standard mode with Master 1-channel occupancy detectors (NO)



Wiring diagram for

- PD9-M-1C-SDB
- PD9-DIGI
- PD3N-1C-NO-PF

Standard mode with Master 1-channel occupancy detectors (NO) with R and S terminal



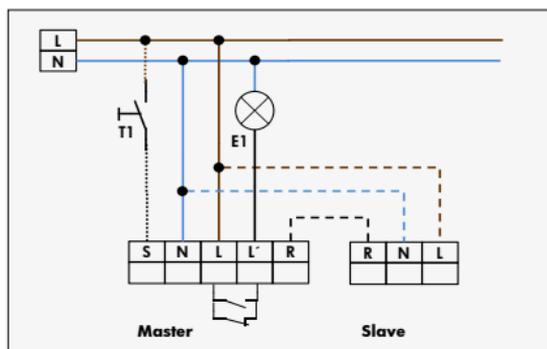
Wiring diagram for

- PD2-M-1C
- PD4-M-1C
- PD4-M-1C-C

optional

T1 = NO button for semi-automatic mode Slave for enlargement of detection area

Standard mode with Master 1-channel occupancy detectors PS with R and S terminal



Wiring diagram for

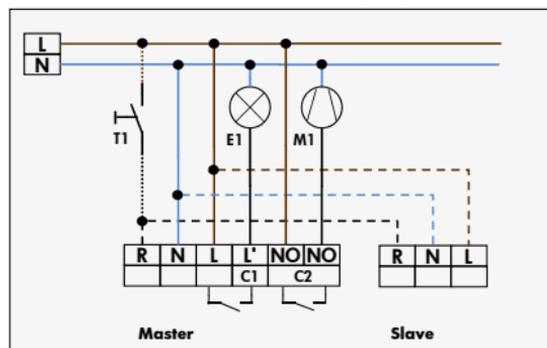
- PD4-M-1C-C-PS

optional

T1 = NO button for semi-automatic mode Slave for enlargement of detection area

PS = Positiv Security

Standard mode with Master 2-channel occupancy detectors



Wiring diagram for

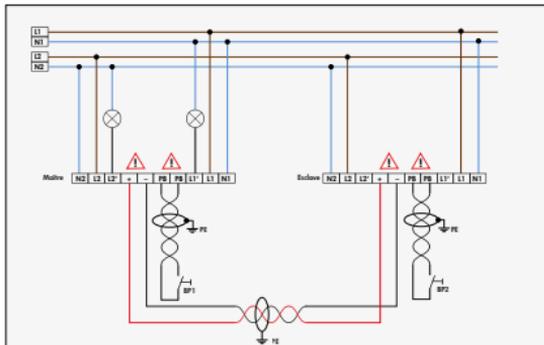
- PD1N-M-2C
- PD2-M-2C
- PD4-M-2C
- Indoor 180-M-2C

M1 = HVAC function

optional

T1 = NO button for semi-automatic mode Slave for enlargement of detection area

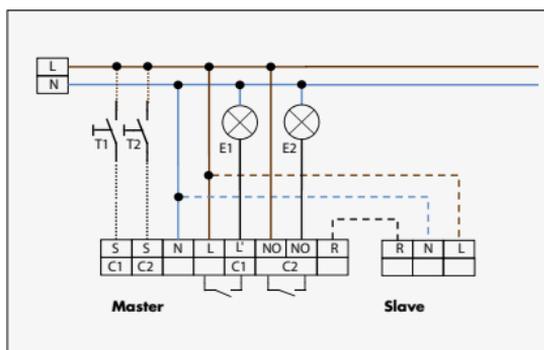
Standard mode with Master 2-channel occupancy detectors



Wiring diagram for

- PD4-M-2C-DS

Standard mode with Master 2-channel DUO occupancy detectors



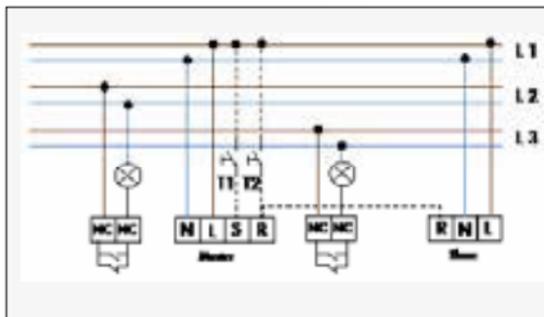
Wiring diagram for

- PD4-M-2C-DUO

optional

T1&2 = NO button for semi-automatic mode Slave for enlargement of detection area

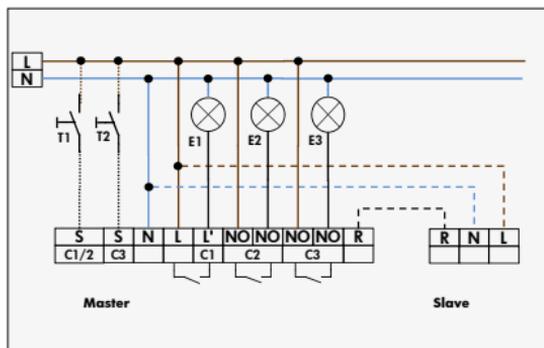
Standard mode with Master TRIO occupancy detectors



Wiring diagram for

- PD4-M-TRIO-3P
- PD4-M-TRIO-C-3P

Standard mode with Master 3-channel TRIO occupancy detectors



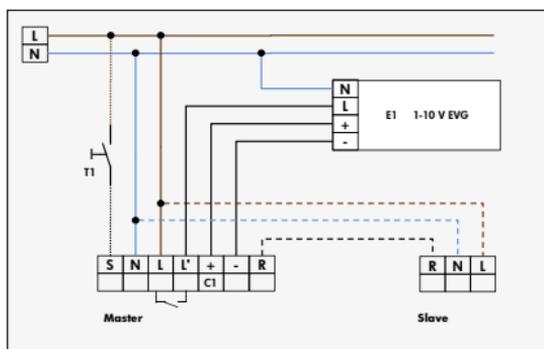
Wiring diagram for

- PD4-M-3C-TRIO

optional

T1&2 = NO button for semi-automatic mode Slave for enlargement of detection area

Standard mode with Master DIM occupancy detectors



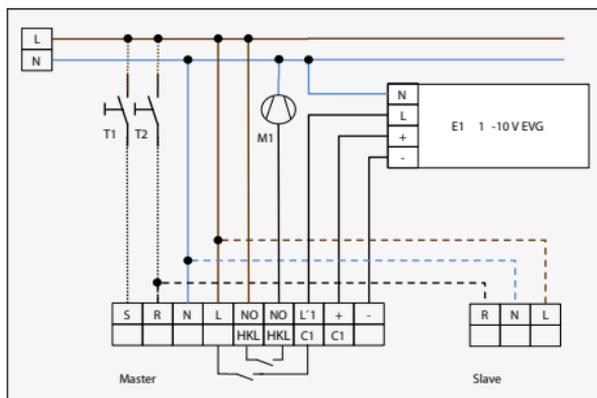
Wiring diagram for

- PD1N-M-DIM
- PD2-M-DIM
- PD4-M-DIM
- PD5-M-DIM
- PD9-M-DIM

optional

T1 = NO button for semi-automatic mode Slave for enlargement of detection area

Standard mode with Master DIM HVAC occupancy detectors



Wiring diagram for

- PD9-M-DIM - HKL
- PD4-M-DIM-HKL-3A
- PD4-M-DIM-HKL-16A

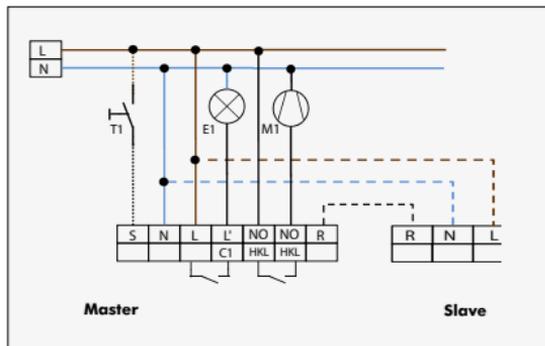
M1 = HVAC function

optional

T1 = NO button for light channel
T2 = NO button for HVAC channel

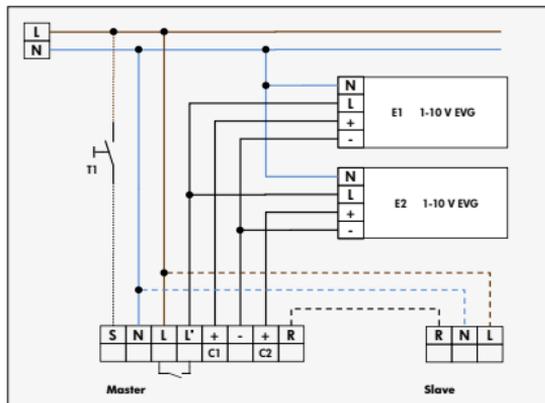
Slave for enlargement of detection area

Standard mode with Master 1-channel occupancy detectors HVAC



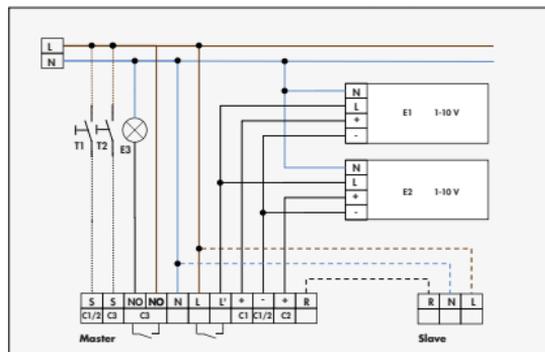
Wiring diagram for
 ▪ PD9-M-1C+HVAC

Standard mode with Master DUO DIM occupancy detectors



Wiring diagram for
 ▪ PD4-M-DUO-DIM

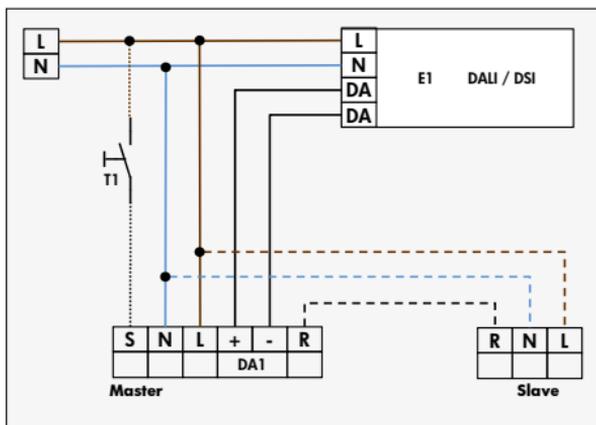
Standard mode with Master TRIO DIM occupancy detectors



Wiring diagram for
 ▪ PD4-M-TRIO-DIM

optional
 T1&2 = NO button for
 semi-automatic mode
 Slave for enlargement of
 detection area

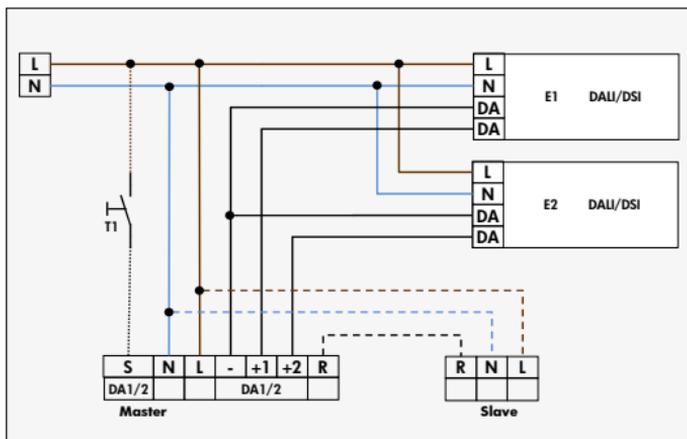
Standard mode with Master DALI occupancy detectors



Wiring diagram for

- PD2-M-DALI/DSI
- PD4-M-DALI/DSI
- PD9-M-DALI/DSI

Standard mode with Master DUO DALI occupancy detectors



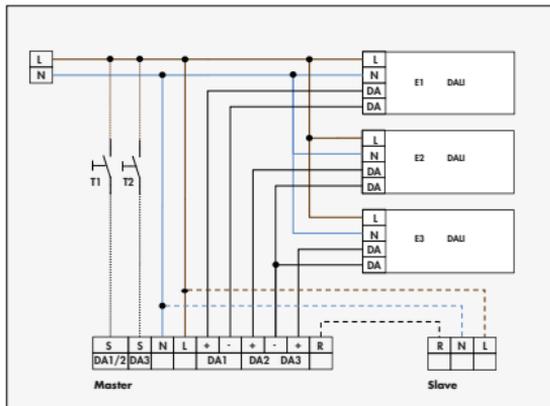
Wiring diagram for

- PD4-M-DUO-DALI

optional

T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with Master TRIO DALI occupancy detectors



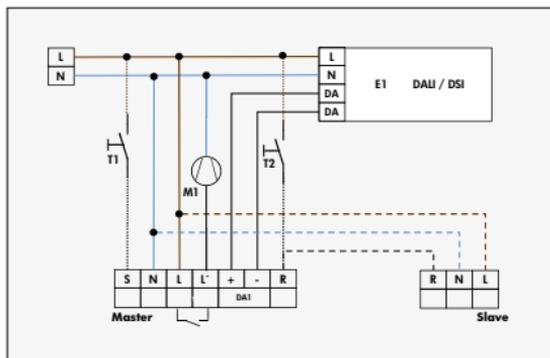
Wiring diagram for

- PD4-M-TRIO-DALI

optional

T1&2 = NO button for semi-automatic mode
Slave for enlargement of detection area

Standard mode with DALI/DSI-1C occupancy detectors



Wiring diagram for

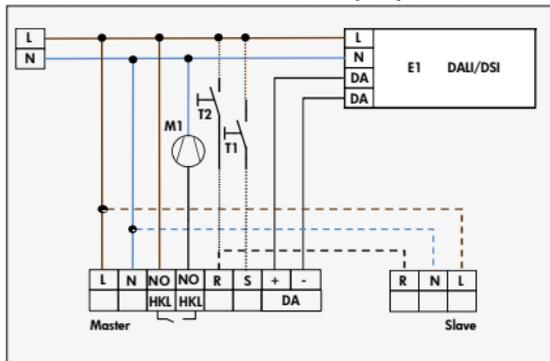
- PD2-M-DALI/DSI-1C
- PD4-M-DALI/DSI-1C

L' = HVAC function
M1 = HVAC function

optional

T1 = NO-button for Light channel
T2 = NO-button for HVAC channel;
Slave for enlargement of detection area

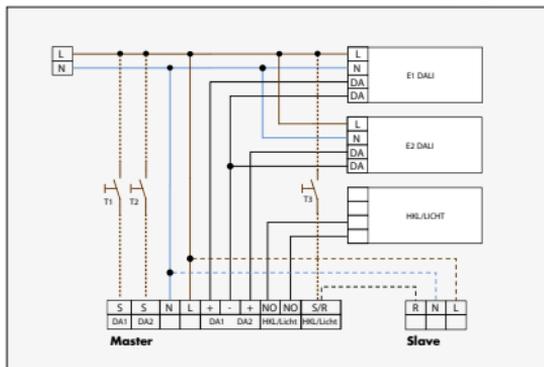
Standard mode with DALI/DSI-HVAC occupancy detectors



Wiring diagram for

- PD2-M-DALI/DSI-HVAC
- PD4-M-DALI/DSI-HVAC

Standard mode with Master-TRIO-2DALI/DSI-1C-occupancy detectors



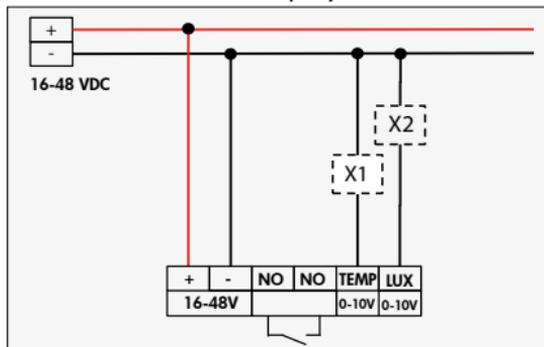
Wiring diagram for

- PD4-M-TRIO-2DALI/DSI-1C-SM/-FC

optional

T1&2 = NO button for semi-automatic mode Slave for enlargement of detection area

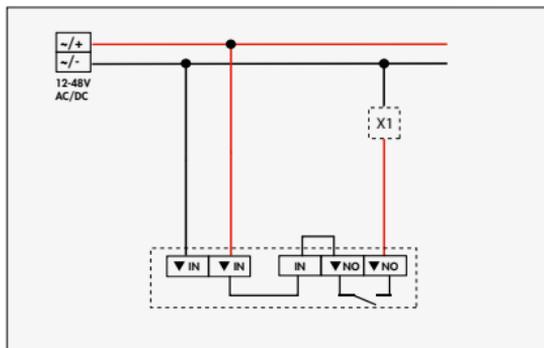
Standard mode with 16-48V occupancy detectors



Wiring diagram for

- PD2N-LTMS

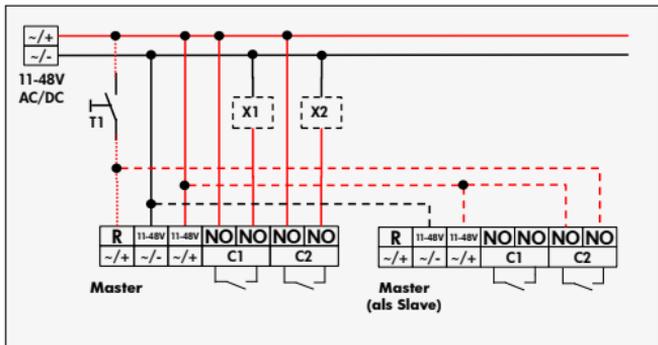
Standard mode with Master-2 Channel-12-48V-occupancy detectors



Wiring diagram for

- PD9-1C-12-48V

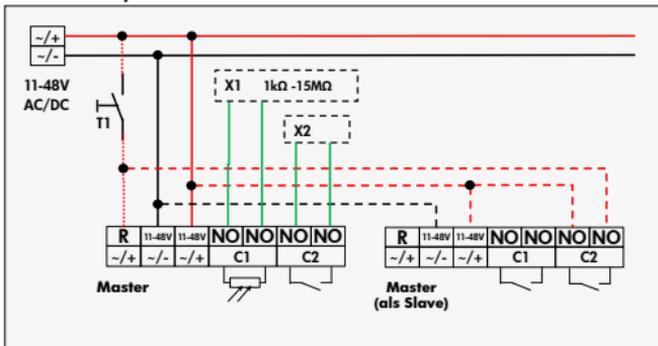
Standard mode with Master-2 Channel-11-48V-occupancy detectors



Wiring diagram for

- PD2-M-2C-11-48V-3A
- PD2-M-2C-11-48V-RR

Standard mode with Master-2 channel-11-48V-occupancy detectors with reed relay



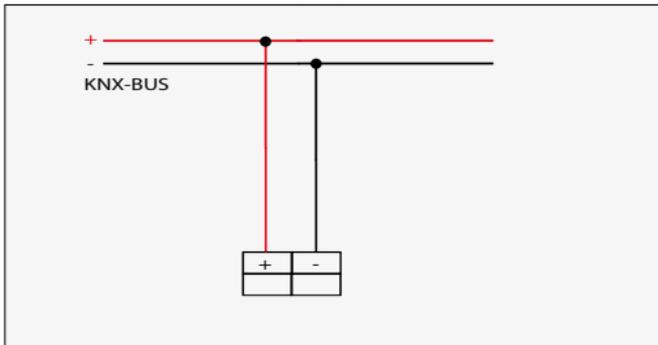
Wiring diagram for

- PD2-M-2C-11-48V-RR
- X1 = Light sensor

optional

T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

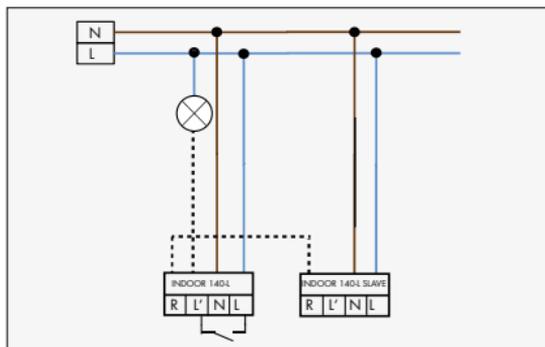
Standard mode with KNX-BUS occupancy detectors



Wiring diagram for

- PD2-KNX
- PD4-KNX
- PD4-KNX-GH
- PD4-KNX-C
- PD9-KNX
- PD9-KNX-GH
- PD11-FLAT-KNX

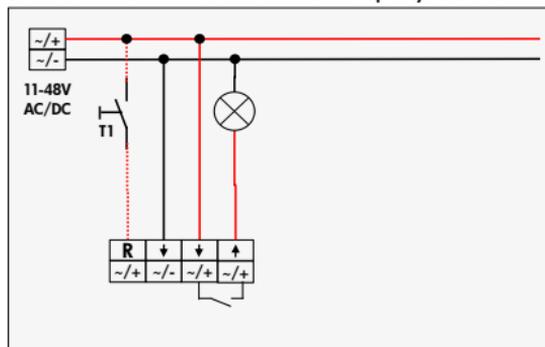
Standard mode with 1-channel occupancy detectors



Wiring diagram for

- Indoor 140-L

Standard mode with 1-channel 11-48V occupancy detectors



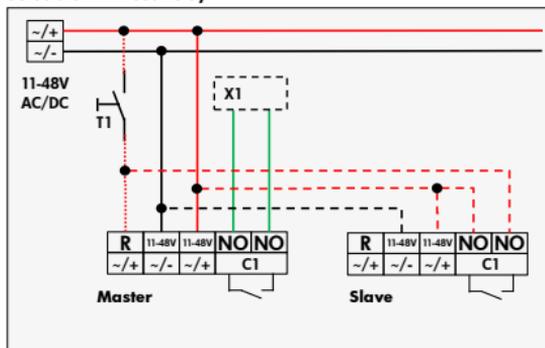
Wiring diagram for

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

optional

T1 = NO button for semi-automatic mode

Standard mode with 1-channel 11-48V occupancy detectors with reed relay



Wiring diagram for

- Indoor 180-R-11-48V-RR

optional

T1 = NO button for semi-automatic mode
Slave for enlargement of detection area

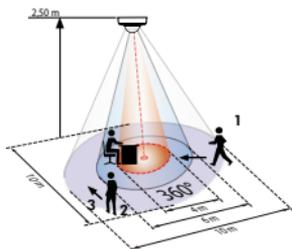
LUXOMAT® Application examples for electricians and planners



With **B.E.G.** you can plan conveniently and safely

In this section, you will find not only a series of handy real-world tips, but also troubleshooting instructions, and many examples of project plans for a wide range of installations of motion and occupancy detectors in offices, corridors, underground garages etc.

Use **B.E.G.**'s experience for successful planning and straightforward deployment of **LUXOMAT®** motion detectors. We can help you choose the right product and find the best positioning. Just send us your plans by fax or email. The rest is up to us – free of charge, naturally.



- 1 Walking towards
 2 Walking across
 3 Seated / Smaller motions

The best position

- The area to be monitored must be completely covered by the sensor detection area. There are different ranges to be considered for "sitting activities", "moving towards the sensor" and "moving across the sensor". If possible, the detector should always be mounted laterally to the direction of movement of people and vehicles.
- Ensure a clear view: glass, windows, room dividers, furniture, plants, hanging lights or installations limit the sensor detection area.
- Unwanted triggering of the sensor can be caused by sources of interference in the detection area, such as trees, bushes, heaters that switch on and off, fans and all equipment that causes heat flows (however, radiators, computers, sunlit surfaces and ventilation systems are not sources of interference).
- Minimum distance to the light being controlled is 1 metre.
- The light being controlled must not be in the sensor detection range (for example lights underneath the sensor), while indirect lights must not cast their light directly on the sensor.
- If possible, follow recommended mounting heights of 2.5-3.0 metres (flush-mount wall switches 1.1-2.2 metres, high-bay detectors (for installation at height) up to 10 metres).



Correct connection

- No more than five units must be connected in parallel. As more detectors are connected in parallel, the detection area becomes larger and harder to manage, and more difficult to troubleshoot. With four motion detectors connected in parallel, some connected loads may no longer switch off (this can normally be fixed by installing an RC suppressor).
- Master occupancy detectors must not be connected in parallel. To extend the detection area, cost-effective slave units are available (please see the corresponding wiring diagram).

Correct settings

Luminance

- Transit areas: 300 lux
- Working areas (offices, living rooms etc.): 600 lux
- Detailed or close-up activities: 1000 lux
- Luminance measurement should be deactivated for areas without daylight or for day/night mode ("sun" symbol)

Light-on time for lighting control

- Transit areas: about 5 min.
- Working areas: about 15 min.
- Pulse operation (1 second) for control of automatic stair lights or building control systems

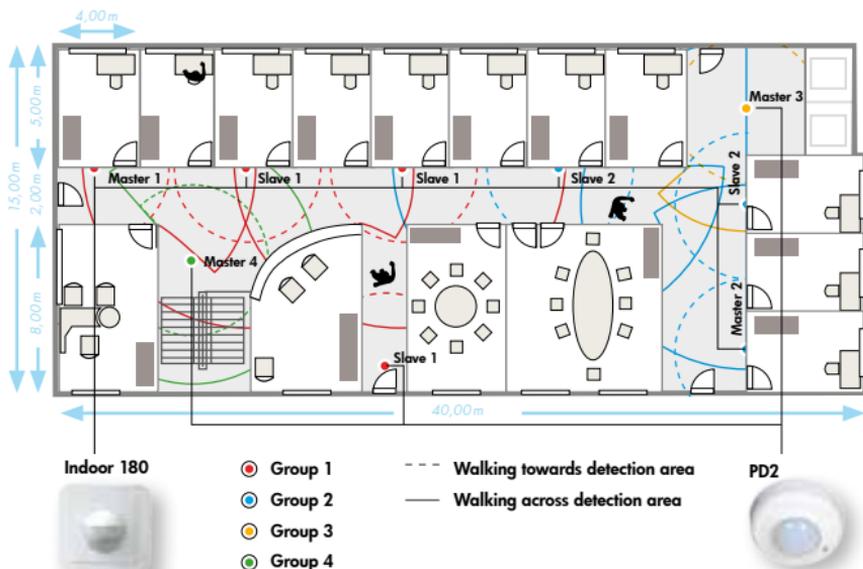
Light-on time for device control

- Depending on type of connected load 5 - 120 min.
- Pulse operation for control of building control systems
- Alarm pulse to avoid incorrect connection



APPLICATION EXAMPLE 1: CORRIDOR WITH INDOOR 180 AND PD2

B.E.G.



■ Application description:

An automatic lighting control with wall switches is to be implemented as an occupancy detector in an office-floor corridor. 4-lighting groups are to be formed and each is to be individually switched:

The lobby to the staff elevators, a reception area and two separate corridor sectors.

■ Note:

Pay special attention to the access areas. To ensure "dead zones" are prevented in the corridor, increase the switch-off delay time if necessary. When the detectors are being directly (radially) approached, it is critical that the range specifications specially indicated in the catalogue for "frontal approach (radial approach)" be taken into consideration.

Corridors can be ideally kept under surveillance with both the PD4 corridor detector as well as with the Indoor 180 wall switch.

■ Building information:

Type: corridor without daylight
Dimensions: L 40.00 x W 15.00m
Room height: 2.70m (in light)

■ Illumination:

Four separate lighting groups with electronic ballasts

■ Products shown:

4 each LUXOMAT® Indoor 180-Slave
2 each LUXOMAT® Indoor 180-Master
1 each LUXOMAT® PD2-Slave
2 each LUXOMAT® PD2-Master

■ Master settings PD2 / Indoor 180:

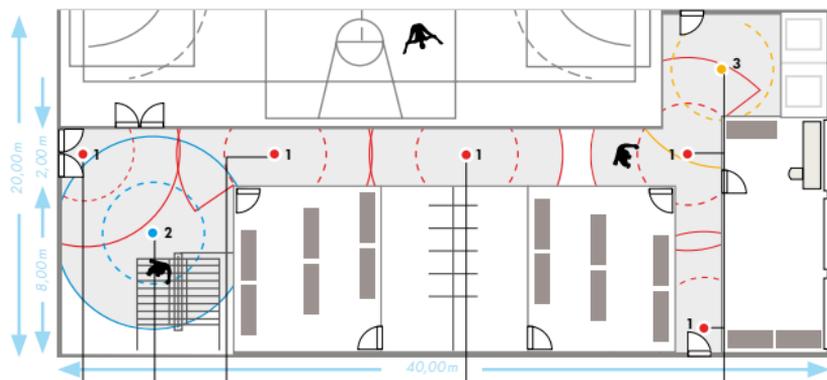
Switch-off delay time R1: > 5 min.
Brightness switching value R1: 500Lux or individual using remote control
Switch-off delay time R2: optional

■ Connected circuit:

- Master operation in the reception area and in the lift antechamber
- Master/Slave switching in transit area
- The Master unit must always be mounted at the point with the least proportion of daylight.

Description	Colour	Page	Part number
Sensor insert for Indoor 180-M-2C-FM	-	122	92661
Indoor 180-M-2C, fully fitted	pure white, RAL9010	122	92136
Sensor insert for Indoor 180-S-FM	-	123	92660
Indoor 180-S, fully fitted	pure white, RAL9010	123	92135
PD2-M-2C-SM	white	55	92150
PD2-M-2C-FC	white	55	92165
PD2-M-2C-FM	white	55	92155
PD2-S-SM	white	88	92152
PD2-S-FC	white	88	92166
PD2-S-FM	white	88	92156

APPLICATION EXAMPLE 2: CORRIDOR WITH PD3N OR PD3N MICRO



- Group 1
- Group 2
- Group 3

- Walking towards detection area
- Walking across detection area

PD3N



■ Application description:

Corridor in sports facilities with three lighting groups: staff-elevator lobby (yellow), corridor area (red), staircase area (blue)

■ Note:

Pay special attention to the access areas. To ensure "dead zones" are prevented in the corridor, increase the switch-off delay time if necessary. When being directly (radially) approached, it is critical to take the detector range specifications specially indicated in the catalogue into consideration for "frontal approach (radial approach)".

■ Building information:

Type: corridor without daylight
Dimensions: L 40.00 x W 15.00 m
Room height: 2.70 m (in light)

■ Illumination:

Three separate lighting groups with electronic ballasts

■ Products shown:

7 each LUXOMAT® PD3N-SM/FC/FM

■ PD3N device settings:

Switch-off delay time: > 5 min.
Brightness: day/night ("sun" symbol)

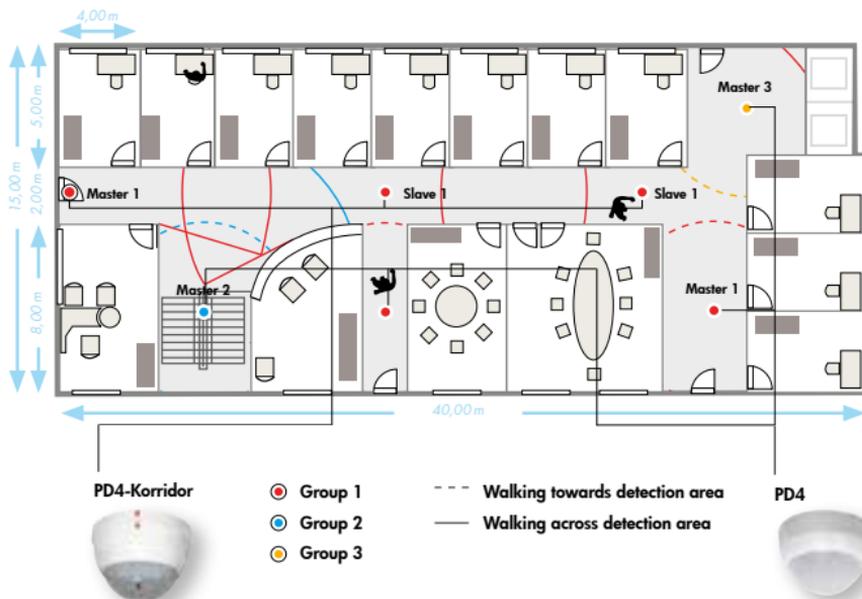
■ Connected circuit:

- Parallel operation in corridor area
- Standard operation in lift room and staircase area

Description	Colour	Page	Part number
PD3N-1C-SM	white	22	92190
PD3N-1C-FC	white	22	92196
PD3N-1C-FM	white	22	92186
PD3N-1C-SM Acoustic	white	24	92219
PD3N-1C-FC Acoustic	white	24	92184

APPLICATION EXAMPLE 3: CORRIDOR WITH PD4-MASTER-2C-C (CORRIDOR) AND PD4-MASTER-2C

B.E.G.

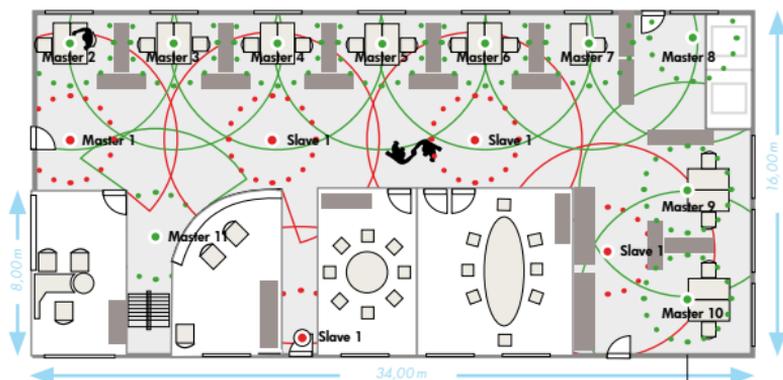


- **Application description:**
Corridor in an office level with three lighting groups: lobby to the passenger lifts (red), corridor area (yellow), staircase area (blue)
- **Note:**
Pay special attention to the access areas to ensure "Dead zones" are prevented in the corridor. Increase the switch-off delay time if necessary. When being directly (radially) approached, it is critical to take the detector range specifications specially indicated in the catalogue into consideration for "frontal approach (radial approach)", 10 m radius for the corridor occupancy detector. The large frontal sensitivity is available in the corridor axis only (180°). Across applies the sensitivity of the standard PD4.
- **Building information:**
Type: corridor without daylight
Room height: 2.70 m

- **Illumination:**
Three separate lighting groups with electronic ballasts
- **Products shown:**
1 each LUXOMAT® PD4-Master-C (corridor occupancy detector)
2 each LUXOMAT® PD4-Slave-C (corridor occupancy detector)
4 each LUXOMAT® PD4-Master-SM/FM/FC
- **PD4 device settings:**
Switch-off delay time: approx. 5 min.
Brightness: day/night ("sun" symbol)
- **Connected circuit:**
- Master/Slave operation in corridor area
- Standard operation in lift room and staircase area

Description	Colour	Page	Part number
PD4-M2C-C-SM	white	57	92440
PD4-M2C-C-FC	white	57	92143
PD4-M2C-C-FM	white	57	92443
PD4-S-C-SM	white	90	92442
PD4-S-C-FC	white	90	92444
PD4-S-C-FM	white	90	92445
PD4-M2C-CM	white	56	92140
PD4-M2C-CFC	white	56	92148
PD4-M2C-CFM	white	56	92255

APPLICATION EXAMPLE 4: OPEN-PLAN OFFICE WITH PD2



● Group 1

● Group 2 - 11

● ● ● Seated detection area

— Walking across detection area

PD2



■ Application description:

Automatic lighting control with occupancy detectors is to be implemented in an open-plan office. The multiple and single workstations, the reception area, and the lobby to the passenger lifts are each switched individually. The transit area is to be entirely surveilled.

■ Building information:

Type: open-plan office with daylight
Dimensions: L 34.00 x W 16.00 m
Room height: 2.70 m (in light)

■ Illumination:

Eleven separate lighting groups with electronic ballasts

■ Products shown:

4 each LUXOMAT® PD2-Slave
11 each LUXOMAT® PD2-Master

■ PD2-Master device settings:

Switch-off delay time R1: 5 min.
Brightness switching value R1: 300 Lux or individual using remote control
Switch-off delay time R2: optional

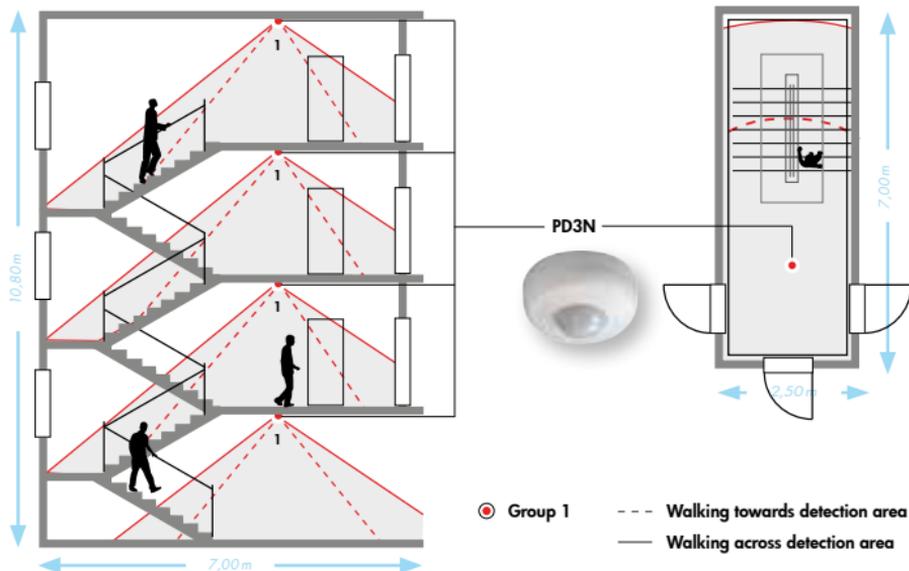
■ Connected circuit:

Master operation at workstations and in the reception area, Master/Slave switching in transit area. The Master unit must always be mounted at the point with the least proportion of daylight.

Description	Colour	Page	Part number
PD2-M-2C-SM	white	55	92150
PD2-M-2C-FC	white	55	92165
PD2-M-2C-FM	white	55	92155
PD2-S-SM	white	88	92152
PD2-S-FC	white	88	92166
PD2-S-FM	white	88	92156

APPLICATION EXAMPLE 5: STAIRCASE WITH PD3N

B.E.G.



■ Application description:

The lighting in the staircase of a multi-family dwelling is to be automatically controlled with occupancy detectors. The occupancy detector is to be mounted on the ceiling.

■ Building information:

Type: staircase with three residential floors and a basement level without daylight
Dimensions: L 7.00 x W 2.50 m
Floor height: 2.70 m (in light)

■ Illumination:

One lighting group with electronic ballast

■ Products shown:

4 each LUXOMAT® PD3N

■ Device settings:

Switch-off delay time: 5 min.
Brightness switching value: "sun" symbol

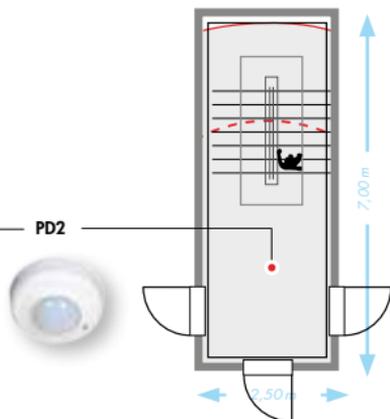
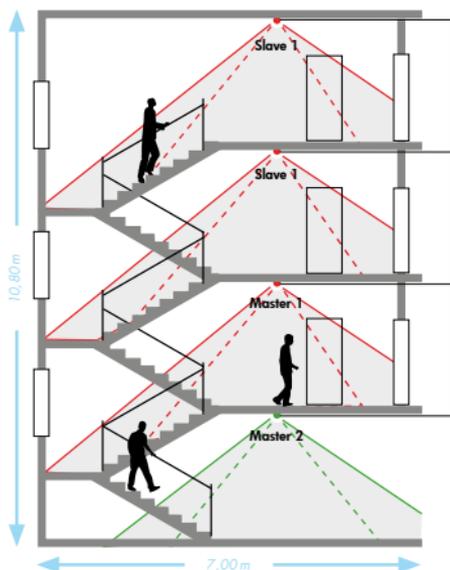
■ Connected circuit:

Parallel operation

■ Alternatives:

Typical example no. 6:
Staircase with LUXOMAT® PD2 occupancy detectors
Typical example no. 7:
Staircase with LUXOMAT® Indoor 180-R motion detectors using 3-conductor engineering
Typical example no. 8:
Staircase with LUXOMAT® Indoor 180-SC motion detectors using 2-conductor impulse engineering
Typical example no. 9:
Staircase with LUXOMAT® RC-plus next motion detectors

Description	Colour	Page	Part number
PD3N-1C-SM	white	22	92190
PD3N-1C-FC	white	22	92196
PD3N-1C-FM	white	22	92186



- Group 1 --- Walking towards detection area
- Group 2 — Walking across detection area

■ Application description:

In the stairwell of a multi-family dwelling, two lighting groups (residential floors/basement level) are to be automatically controlled with occupancy detectors. The motion detectors are to be mounted on the ceiling.

■ Building information:

Type: Staircase with three residential floors and a basement level without daylight

Dimensions: L 7,00 x W 2,50 m

Floor height: 2,70 m (in light)

■ Illumination:

Two lighting groups with electronic ballast (basement level without proportion of daylight, residential floors)

■ Products shown:

2 each LUXOMAT® PD2-Slave
2 each LUXOMAT® PD2-Master

■ PD2-Master device settings:

Switch-off delay time R1: 5 min.

Brightness switching value R1: 300Lux

Switch-off delay time R2: optional

■ Connected circuit:

Master/Slave switching with optional push button operation on the residential floors. The Master unit must always be mounted at the point with the least proportion of daylight. Master operation with optional push-button control at the basement level.

■ Alternatives:

Typical example no. 5:

Staircase with LUXOMAT® PD3N motion detectors

Typical example no. 7:

Staircase with LUXOMAT® Indoor 180-R motion detectors using 3-conductor engineering

Typical example no. 8:

Staircase with LUXOMAT® Indoor 180-SC motion detectors using 2-conductor impulse engineering

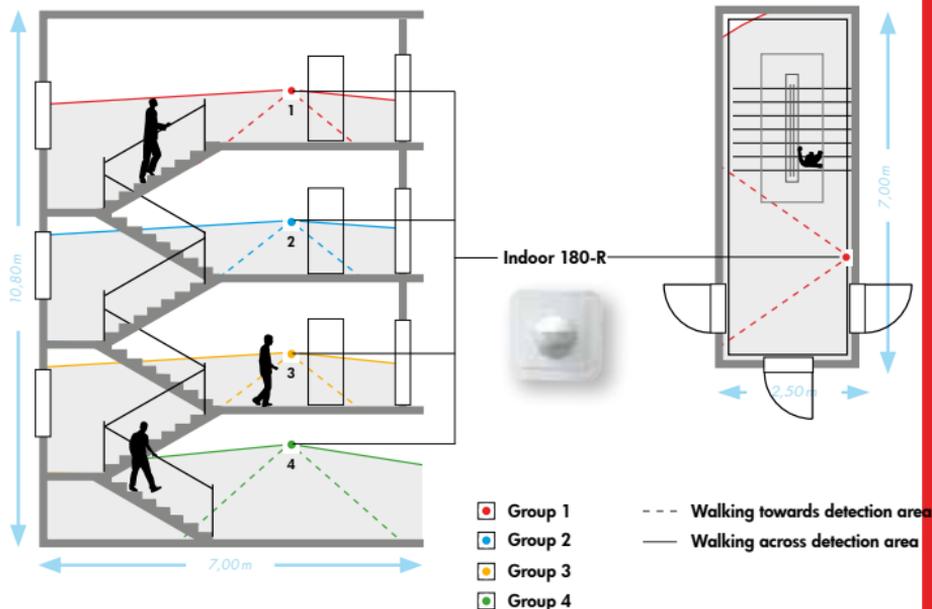
Typical example no. 9:

Staircase with LUXOMAT® RC-plus next motion detectors

Description	Colour	Page	Part number
PD2-M-2C-SM	white	55	92150
PD2-M-2C-FC	white	55	92165
PD2-M-2C-FM	white	55	92155
PD2-S-SM	white	88	92152
PD2-S-FC	white	88	92166
PD2-S-FM	white	88	92156

APPLICATION EXAMPLE 7: STAIRCASE WITH INDOOR 180-R USING 3-CONDUCTOR ENGINEERING

B.E.G.



■ Application description:

The lighting in the stairwell of a multi-family dwelling is to be automatically controlled with motion detectors, floor by floor. The motion detectors are to be formed as wall switches.

■ Building information:

Type: staircase with three residential floors and a basement level without daylight
Dimensions: L 7.00 x W 2.50 m
Floor height: 2.70 m (in light)

■ Illumination:

Four separate lighting groups

■ Products shown:

4 each LUXOMAT® Indoor 180-R

■ Device settings:

Switch-off delay time: 5 min.
Brightness switching value: day/night ("sun" symbol)

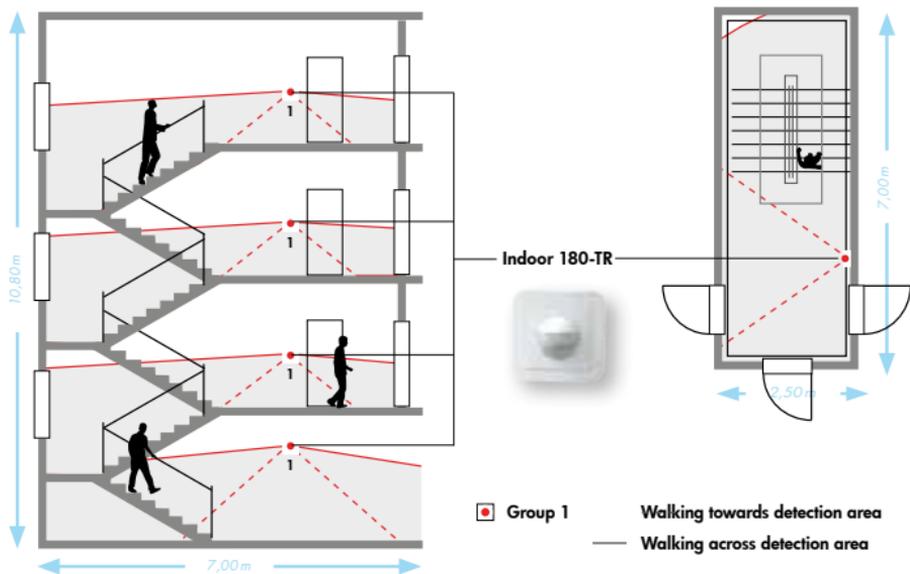
■ Connected circuit:

Standard operation (floor by floor, optional push-button operation with opener button)

■ Alternatives:

Typical example no. 5:
Staircase with LUXOMAT® PD3N motion detectors
Typical example no. 6:
Staircase with LUXOMAT® PD2 occupancy detectors
Typical example no. 8:
Staircase with LUXOMAT® Indoor 180-SC motion detectors using 2-conductor impulse engineering
Typical example no. 9:
Staircase with LUXOMAT® RC-plus next motion detectors

Description	Colour	Page	Part number
Sensor insert for Indoor 180-RFM	–	116	92665
Indoor 180-R, fully fitted	pure white, RAL9010	116	92623



- Group 1 Walking towards detection area
- Walking across detection area

■ Application description:

The lighting in the stairwell of a multi-family dwelling is to be automatically controlled with motion detectors, floor by floor. The motion detectors are to be formed as wall switches.

■ Building information:

Type: staircase with three residential floors and a basement level without daylight
Dimensions: L 7.00 x W 2.50 m
Floor height: 2.70 m (in light)

■ Illumination:

1 lighting group with staircase switch

■ Products shown:

4 each LUXOMAT® Indoor 180-SC

■ Device settings:

Switch-off delay time: as close as possible to the stairwell lighting-timer switch-off delay time
Brightness switching value: day/night ("sun" symbol)

■ Connected circuit:

Parallel operation

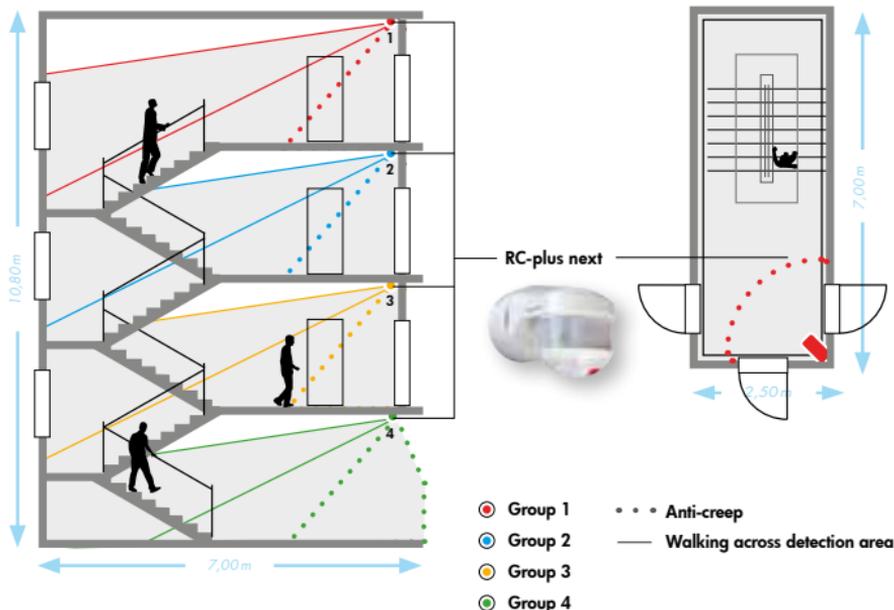
■ Alternatives:

Typical example no. 5:
Staircase with LUXOMAT® PD3N motion detectors
Typical example no. 6:
Staircase with LUXOMAT® PD2 occupancy detectors
Typical example no. 7:
Staircase with LUXOMAT® Indoor 180-R motion detectors using 3-conductor engineering
Typical example no. 9:
Staircase with LUXOMAT® RC-plus next motion detectors

Description	Colour	Page	Part number
Sensor insert for Indoor 180-SC-FM	—	120	92668
Indoor 180-TR, fully fitted	pure white, RAL9010	120	92650

APPLICATION EXAMPLE 9: STAIRCASE WITH RC-PLUS NEXT 130

B.E.G.



■ Application description:

In the stairwell of a multi-family dwelling, the lighting is (residential floors/basement level) to be automatically controlled with motion detectors. The motion detectors are to be mounted on the ceiling.

■ Building information:

Type: staircase with three residential floors and a basement level without daylight
Dimensions: L 7.20 x W 2.50 m
Floor height: 2.70 m (in light)

■ Illumination:

Four separate lighting groups

■ Products shown:

4 each LUXOMAT® RC-plus next 130

■ RC-plus next device settings:

Switch-off delay time: 4 min.
Brightness switching value: day/night ("sun" symbol)

■ Connected circuit:

Standard operation (floor by floor, optional push-button operation with opener button)

■ Alternatives:

Typical example no. 5:
Staircase with LUXOMAT® PD3N motion detectors
Typical example no. 6:
Staircase with LUXOMAT® PD2 occupancy detectors
Typical example no. 7:
Staircase with LUXOMAT® Indoor 180-R motion detectors using 3-conductor engineering
Typical example no. 8:
Staircase with LUXOMAT® Indoor 180-SC motion detectors using 2-conductor impulse engineering

Description	Colour	Page	Part number
RC-plus next 130	white	8	97001
RC-plus next 130	brown	8	97011
RC-plus next 130	black	8	97021

APPLICATION EXAMPLE 10: CONFERENCE ROOM A WITH PD2



- Group 1
- • • Seated detection area
- Walking across detection area

■ Application description:

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

■ Building information:

Type: conference room with daylight
Dimensions: L 7.80 x W 5.80 m
Room height: 2.70 m (in light)

■ Illumination:

One lighting group with electronic ballast

■ Products shown:

1 each LUXOMAT® PD2-Slave
1 each LUXOMAT® PD2-Master

■ Device settings:

Switch-off delay time R1: 5 min.
Brightness switching value R1: 300 Lux
Switch-off delay time R2: optional

■ Connected circuit:

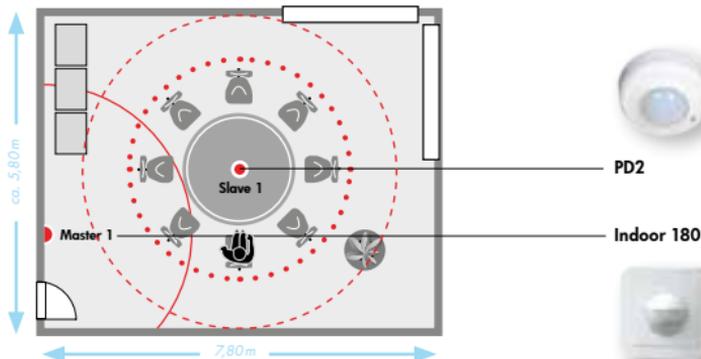
Master/Slave switching with optional push button operation.
The Master unit must always be mounted at the point with the least proportion of daylight.

■ Alternatives:

Typical example no. 11: Conference room B
Typical example no. 12: Conference room C

Description	Colour	Page	Part number
PD2-M-2C-SM	white	55	92150
PD2-M-2C-FC	white	55	92165
PD2-M-2C-FM	white	55	92155
PD2-S-SM	white	88	92152
PD2-S-FC	white	88	92166
PD2-S-FM	white	88	92156

APPLICATION EXAMPLE 11: CONFERENCE ROOM B WITH INDOOR 180 AND PD2-SLAVE



- Group 1
- • • Seated detection area
- - - Walking towards detection area
- Walking across detection area

■ Application description:

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

■ Building information:

Type: conference room with daylight
Dimensions: L 7.80 x W 5.80m
Room height: 2.70m (in light)

■ Illumination:

One lighting group with electronic ballast

■ Products shown:

1 each LUXOMAT® PD2-Slave
1 each LUXOMAT® Indoor 180-Master

■ Indoor 180-Master device settings:

Switch-off delay time R1: 5 min.
Brightness switching value R1: 300Lux
Switch-off delay time R2: optional

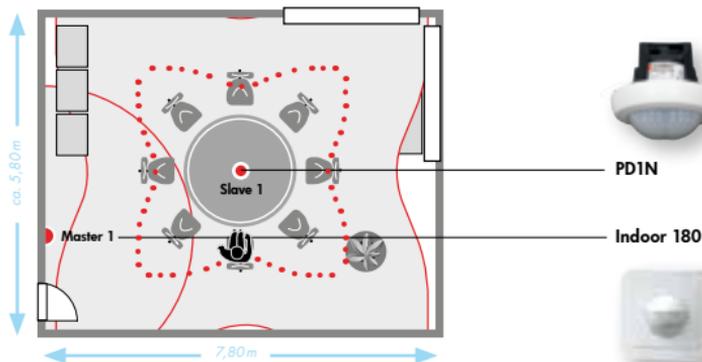
■ Connected circuit:

Master/Slave switching with optional push button operation.
The Master unit must always be mounted at the point with the least proportion of daylight.

■ Alternatives:

Typical example no. 10: Conference room A
Typical example no. 12: Conference room C

Description	Colour	Page	Part number
Sensor insert for Indoor 180-M2C-FM	–	122	92661
Indoor 180-M2C, fully fitted	pure white, RAL9010	122	92136
PD2-S-SM	white	88	92152
PD2-S-FC	white	88	92166
PD2-S-FM	white	88	92156



- Group 1
- ... Seated detection area
- Walking across detection area

■ Application description:

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

■ Building information:

Type: conference room with daylight
Dimensions: L 7.80 x W 5.80 m
Room height: 2.70 m (in light)

■ Illumination:

One lighting group with electronic ballast

■ Products shown:

1 each LUXOMAT® PD1N-Slave
1 each LUXOMAT® Indoor 180-Master

■ Indoor 180-Master device settings:

Switch-off delay time R1: 5 min.
Brightness switching value R1: 300 Lux
Switch-off delay time R2: optional

■ Connected circuit:

Master/Slave switching with optional push button operation.
The Master unit must always be mounted at the point with the least proportion of daylight.

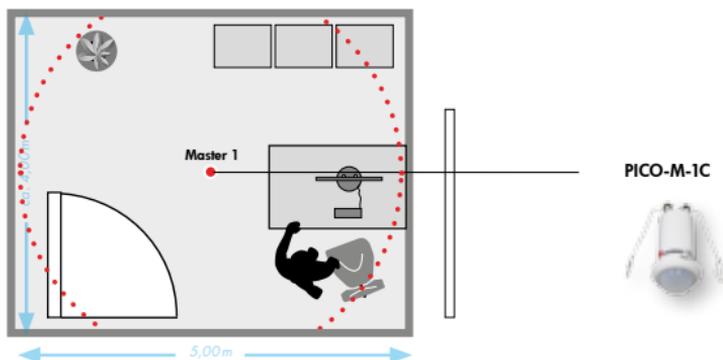
■ Alternatives:

Typical example no. 10: Conference room A
Typical example no. 11: Conference room B

Description	Colour	Page	Part number
Sensor insert for Indoor 180-M-2C-FM	–	122	92661
Indoor 180-M-2C, fully fitted	pure white, RAL9010	122	92136
PD1N-S-SM	white	87	92878
PD1N-S-FC	white	87	92875
PD1N-S-FM	white	87	92872

APPLICATION EXAMPLE 13: INDIVIDUAL OFFICE WITH PICO

B.E.G.

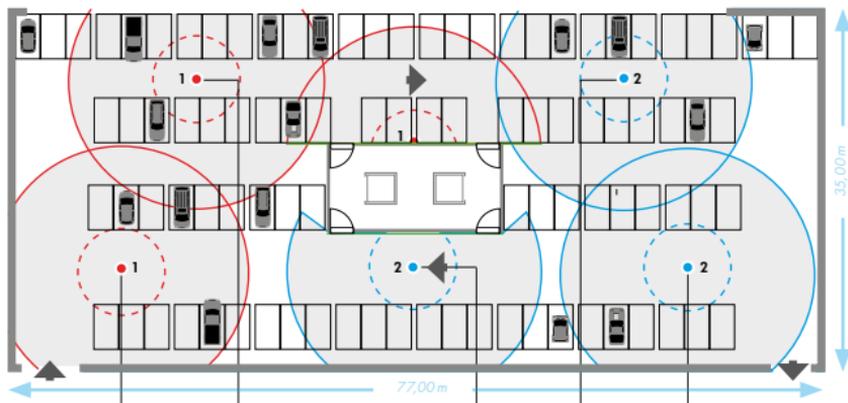


- Group 1
- • • Seated detection area

- **Application description:**
In an individual office, the lighting is to be controlled dependent on presence and daylight. Even with the automatic control, it should be possible to manually influence the current switching status via a button or remote control. The motion detectors are to be mounted on the ceiling.
- **Building information:**
Type: individual office with daylight
Dimensions: 4.00 x 5.00 m
- **Illumination:**
One lighting group with electronic ballast
- **Products shown:**
1 each LUXOMAT® PICO
- **Device settings:**
Switch-off delay time R1: 10 min.
Brightness switching value R1: 300Lux or individual using remote control.
- **Connected circuit:**
Master operation with optional button operated control

Description	Colour	Page	Part number
PICO-M-1C-FC	white	52	92712

APPLICATION EXAMPLE 14: UNDERGROUND CAR PARK WITH PD4N-1C



- Group 1
- Group 2

- Walking towards detection area
- Walking across detection area

PD4N-1C



■ Application description:

In the underground car park, the best possible surveillance of the entrance area to the garage and the main transit area should be achieved with as few motion detectors as possible.

Blind spots in certain partial areas of the garage are to be bridged with adapted switch-off delay timing. The lighting is to be divided into two separate lighting groups (gate and wall sides). The motion detectors are to be mounted exclusively on the ceiling.

■ Building information:

Type: underground car park without daylight
Dimensions: L 77,00 x W 35,00 m
Room height: 3,00 m

■ Illumination:

Two separate lighting groups with electronic ballasts
Variation A) directly switched by the motion detector
Variation B) switched via external timer

■ Products shown:

6 each LUXOMAT® PD4N-1C

■ Device settings:

Variation A) Switch-off delay time: 8 min.,
Brightness switching value: day/night ("sun" symbol)
Variation B) Switch-off delay time: impulse,
Brightness switching value: day/night ("sun" symbol)

■ Connected circuit:

Parallel circuit per lighting group

■ Note:

Please ensure that the motion detector installation is always made lateral to the pedestrian and vehicle driving direction. If one walks directly toward the detector, the range is significantly reduced.

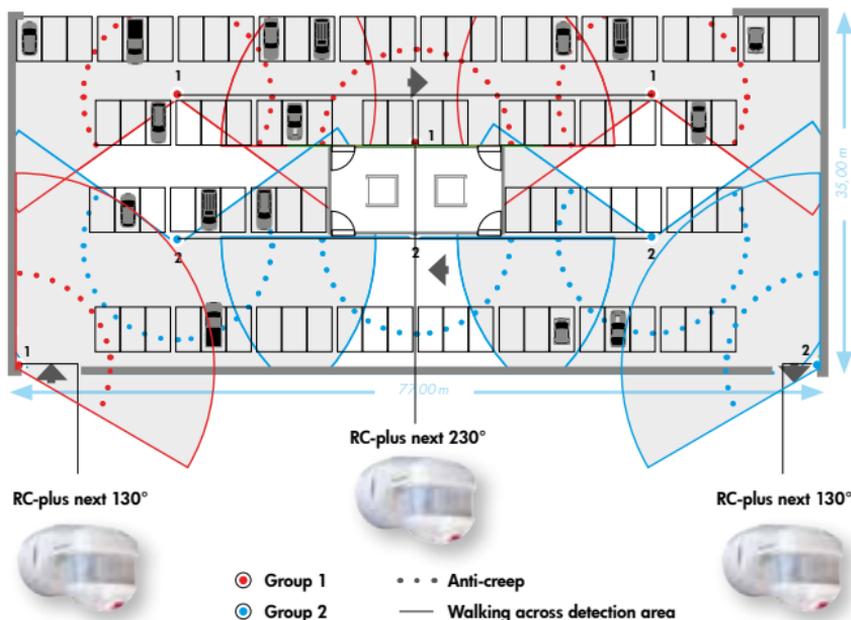
■ Alternatives:

Typical example no. 15:
Underground car park with LUXOMAT® RC-plus next motion detector

Description	Colour	Page	Part number
PD4N-1C-SM	white	27	92144
PD4N-1C-FC	white	27	92149
PD4N-1C-FM	white	27	92151

APPLICATION EXAMPLE 15: UNDERGROUND CAR PARK WITH RC-PLUS NEXT

B.E.G.



■ Application description:

In the underground car park, the best possible surveillance of the entrance area to the garage and the main transit area should be achieved with as few motion detectors as possible.

Blind spots in certain partial areas of the garage are to be bridged with adapted switch-off delay timing. The lighting is to be divided into two separate lighting groups (gate and wall sides). The motion detectors are to be mounted on the wall or on the ceiling.

■ Building information:

Type: underground car park without daylight
Dimensions: L 77.00 x W 35.00 m
Room height: 3.00 m

■ Illumination:

Two separate lighting groups with electronic ballasts
Variation A) directly switched by the motion detector
Variation B) switched via external timer

■ Products shown:

6 each LUXOMAT® RC-plus next 230
2 each LUXOMAT® RC-plus next 130

■ Device settings:

Variation A) Switch-off delay time: 8 min.,
Brightness switching value: day/night ("sun" symbol)
Variation B) Switch-off delay time: impulse,
Brightness switching value: day/night ("sun" symbol)

■ Connected circuit:

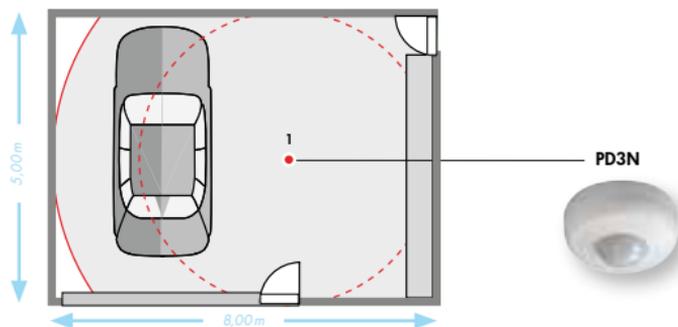
Parallel circuit per lighting group

■ Note:

Please ensure that the motion detector installation is always made lateral to the pedestrian and vehicle driving direction. If one walks directly toward the detector, the range is significantly reduced.

Description	Colour	Page	Part number
RC-plus next 130	white	8	97001
RC-plus next 130	brown	8	97011
RC-plus next 130	black	8	97021
RC-plus next 230	white	9	97002
RC-plus next 230	brown	9	97012
RC-plus next 230	black	9	97022
RC-plus next 230	silver	9	97042

APPLICATION EXAMPLE 16: PRIVATE GARAGE WITH PD3N



- **Group 1** - - - Walking towards detection area
 — Walking across detection area

■ Application description:

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

■ Building information:

Type: private garage without daylight
 Dimensions: L 5.00 x W 8.00 m
 Room height: 2.10 m

■ Illumination:

One lighting group with electronic ballast

■ Products shown:

1 each LUXOMAT® PD3N-SM/FC/FM

■ Device settings:

Switch-off delay time: 4 min.
 Brightness switching value: day/night ("sun" symbol)

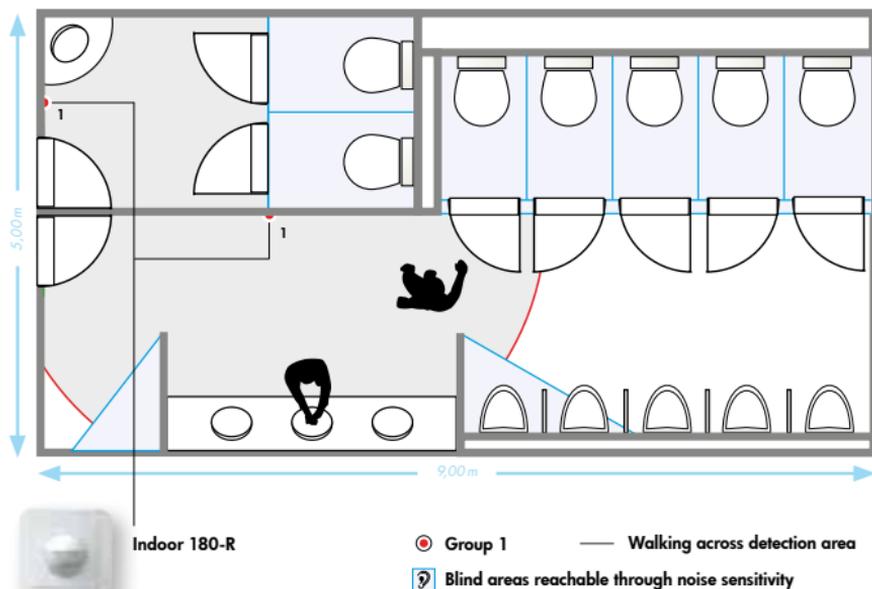
■ Connected circuit:

Standard operation

Description	Colour	Page	Part number
PD3N-1C-SM	white	23	92190
PD3N-1C-FC	white	23	92196
PD3N-1C-FM	white	23	92186

APPLICATION EXAMPLE 17: WASH ROOMS WITH INDOOR 180-R

B.E.G.



■ Application description:

Wash rooms with enclosed WC booths, wall installation of the motion/sound detector. Combined motion/sound sensors are used with which even blind spots, such as toilet booths, can be monitored dependent on noises.

■ Note:

The noise sensitivity should be pointed out to the toilet guests, f.ex. using a poster inside the booths.

■ Building information:

Type: public toilet without daylight
Room height: 2.70m

■ Illumination:

One lighting group with electronic ballast per room

■ Products shown:

2 each LUXOMAT® Indoor 180-R

■ Device settings:

Switch-off delay time: 10 min.
Brightness: day/night ("sun" symbol)
Noise sensitivity: the optimum sensitivity is to be determined through tests

■ Connected circuit:

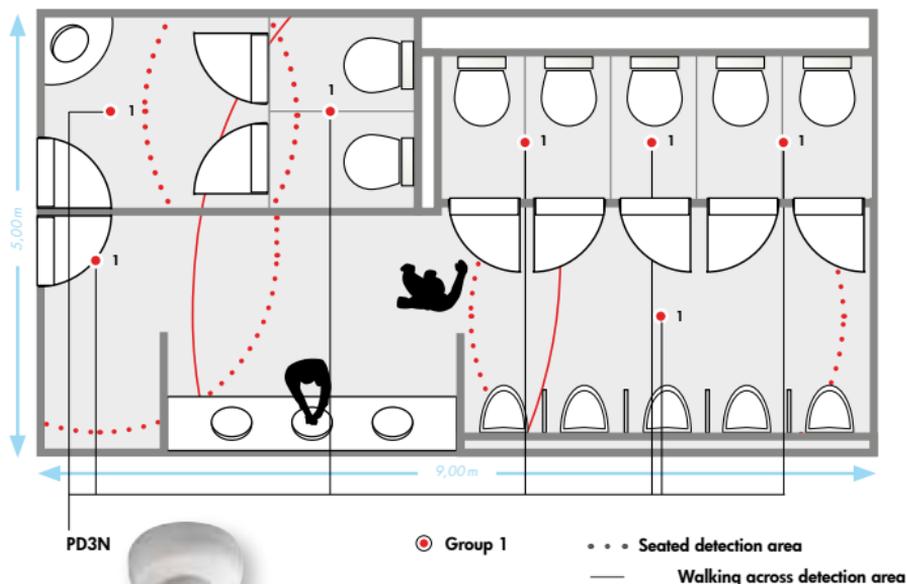
Standard operation with noise sensitivity

■ Alternatives:

Typical example no. 18: with LUXOMAT® PD3N or PD3N-Micro

Description	Colour	Page	Part number
Sensor insert for Indoor 180-R-FM	–	116	92665
Indoor 180-R, fully fitted	pure white, RAL9010	116	92623

APPLICATION EXAMPLE 18: WASH ROOMS WITH PD3N OR PD3N MICRO



Application description:

Wash rooms with closed WC booths.
Ceiling installation of the occupancy detectors.

Building information:

Type: public toilet without daylight
Room height: 2.70 m

Illumination:

One lighting group with electronic ballast per room

Products shown:

7 each LUXOMAT® PD3N-SM/FM/FC or PD3N-Acoustic

Device settings:

Switch-off delay time: 10 min.
Brightness: day/night ("sun" symbol)

Connected circuit:

Parallel operation per room

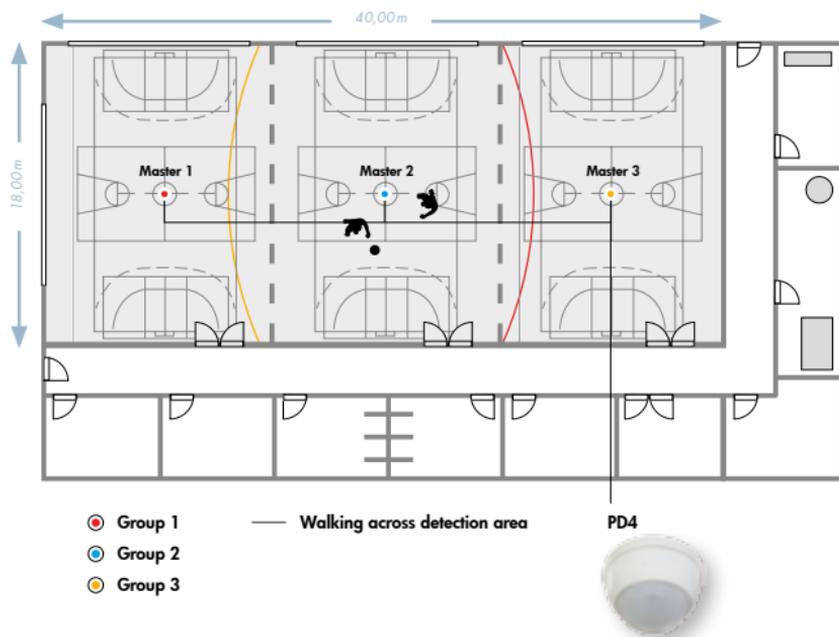
Alternatives:

Typical example no. 17, with LUXOMAT® Indoor 180-R

Description	Colour	Page	Part number
PD3N-1C-SM	white	22	92190
PD3N-1C-FC	white	22	92196
PD3N-1C-FM	white	22	92186
PD3N-1C-SM Acoustic	white	24	92219
PD3N-1C-FC Acoustic	white	24	92184

APPLICATION EXAMPLE 19: TRIPLE GYMNASIUM WITH PD4-MASTER

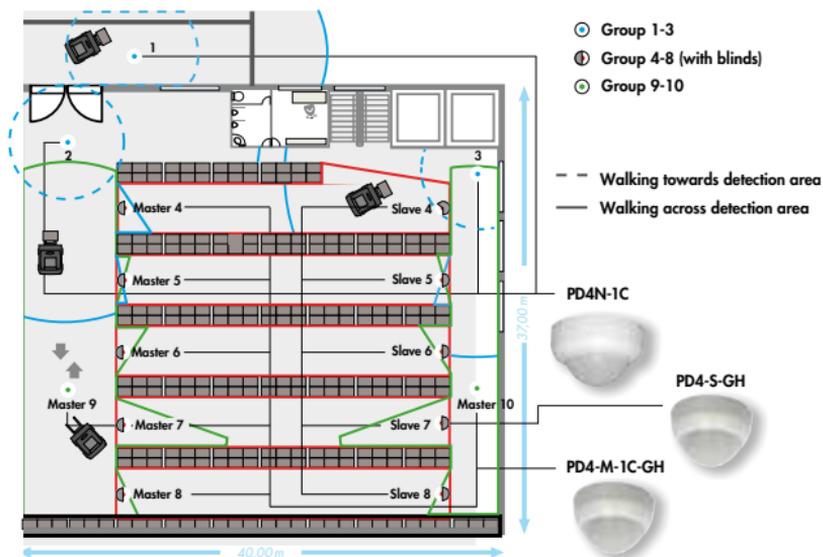
B.E.G.



- **Application description:**
Automatic lighting control with motion detectors is to be implemented in a triple gymnasium. One lighting group per hall area is to be formed and switched individually. Even with the automatic control, it should be possible to manually influence the current switching status via both a button and using a remote control.
- **Building information:**
Type: gymnasium with daylight
Dimensions: L 40.00 x W 18.00 m
Room height: 8.00 to 10.00 m (in light)
- **Illumination:**
One lighting group with electronic ballast per hall section
- **Products shown:**
3 each LUXOMAT® PD4-Master
- **Device settings:**
Switch-off delay time R1: > 5 min.
Brightness switching value: 500 Lux or individual using remote control
Switch-off delay time R2: optional
- **Connected circuit:**
Master operation for all three lighting groups; Master/Slave operation is likewise possible. The Master unit must always be mounted at the point with the least proportion of daylight.

Description	Colour	Page	Part number
PD4-M2C-SM	white	56	92140
PD4-M2C-FC	white	56	92148
PD4-M2C-FM	white	56	92255

APPLICATION EXAMPLE 20: HIGH-BAY WAREHOUSE WITH PD4N-1C AND PD4-M-1C-GH



Application description:

In a warehouse, the various sectors are to be monitored using motion detectors and the lighting automatically switched. The warehouse is divided into the following sectors: 5-corridors (red), start-of-corridor zone, end-of-corridor zone (green), warehouse entrance, elevator sector, ramps (blue). Each sub-section is to be individually monitored and switched. The motion detectors are to be mounted on the ceiling.

Building information:

Type: high-bay warehouse with daylight
 Dimensions: L 40.00 x W 37.00 m
 Room height: 10.00 m

Illumination:

Ten lighting groups with electronic ballast

Products shown:

3 each LUXOMAT® PD4-SM/FC/FM
 7 each LUXOMAT® PD4-M-GH-SM

Device settings:

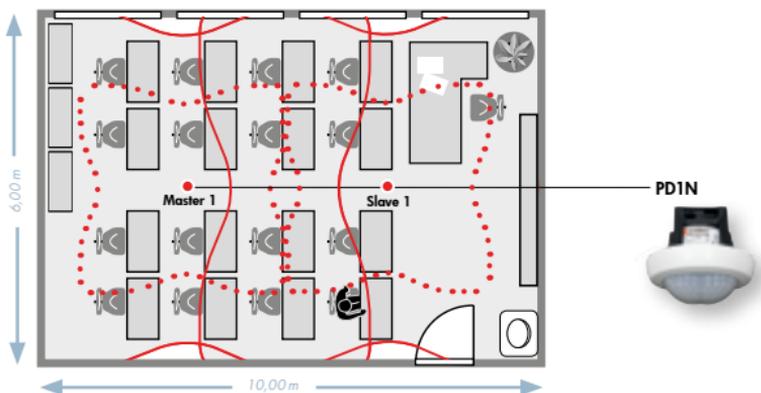
Switch-off delay time R1: > 5 min.
 Brightness switching value: 500Lux or individual using remote control
 Switch-off delay time R2: optional

Connected circuit:

Master operation for all lighting groups

Description	Colour	Page	Part number
PD4N-1C-SM	white	27	92144
PD4N-1C-FC	white	27	92149
PD4N-1C-FM	white	27	92151
PD4-M-1C-GH-SM	white	46	92245
PD4-S-GH-SM	white	91	92265

APPLICATION EXAMPLE 21: CLASSROOM WITH PD1N-MASTER-2C AND SLAVE



- Group 1
- • • Seated detection area
- Walking across detection area

■ Application description:

In a classroom, the lighting is to be separately controlled dependent on presence and daylight. Despite the automatic control, it should be made possible to manually influence the switching condition via buttons or remote control. The occupancy detector is to be mounted on the ceiling.

■ Building information:

Type: classroom with daylight
Dimensions: L 10.00 x W 6.00 m
Floor height: 2.70 m (in light)

■ Illumination:

One lighting group with electronic ballast

■ Products shown:

1 each LUXOMAT® PD1N-Slave
1 each LUXOMAT® PD1N-Master

■ PD1N-Master device settings:

Switch-off delay time R1: 5 min.
Brightness switching value R1: 300 Lux
Switch-off delay time R2: optional

■ Connected circuit:

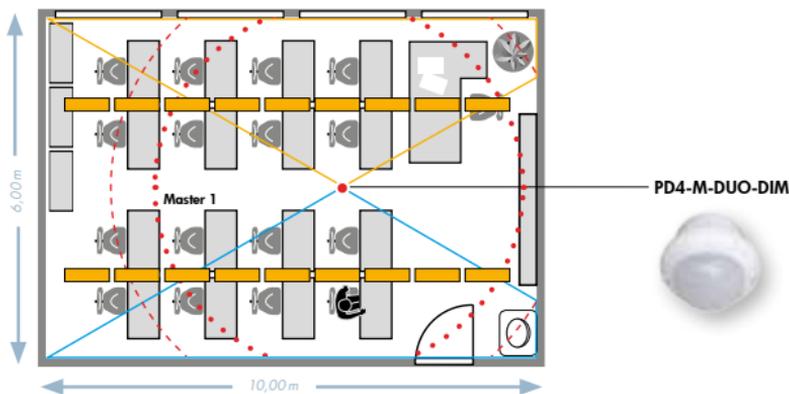
Master/Slave switching with optional push button operation.
The Master unit must always be mounted at the point with the least proportion of daylight.

■ Note:

The ideal monitoring is also possible with a single PD4-DUO motion detector.

Description	Colour	Page	Part number
PD1N-M2C-SM	white	54	92877
PD1N-M2C-FC	white	54	92874
PD1N-M2C-FM	white	54	92870
PD1N-S-SM	white	87	92878
PD1N-S-FC	white	87	92875
PD1N-S-FM	white	87	92872

APPLICATION EXAMPLE 22: CLASSROOM WITH PD4-M-2C-DUO OR PD4-M-DUO-DIM



● Group 1-2

— Zone 1: Area of light near window

— Zone 2: Area of light away from window

• • • Seated detection area

- - - Walking towards detection area

■ Application description:

In a classroom, the lighting is to be separately controlled dependent on presence and daylight in a perimeter near windows and a light perimeter away from the windows.

Despite the automatic control, it should be made possible to manually influence the switching condition via buttons or remote control. The motion detector is to be mounted on the ceiling.

■ Building information:

Type: classroom with daylight
Dimensions: L 10,00 x W 6,00 m
Room height: 2,70 m (in light)

■ Illumination:

Two lighting groups with electronic ballast

■ Products shown:

1 each LUXOMAT® PD4-DUO or
1 each LUXOMAT® PD4-DUO-DIM

■ Device settings:

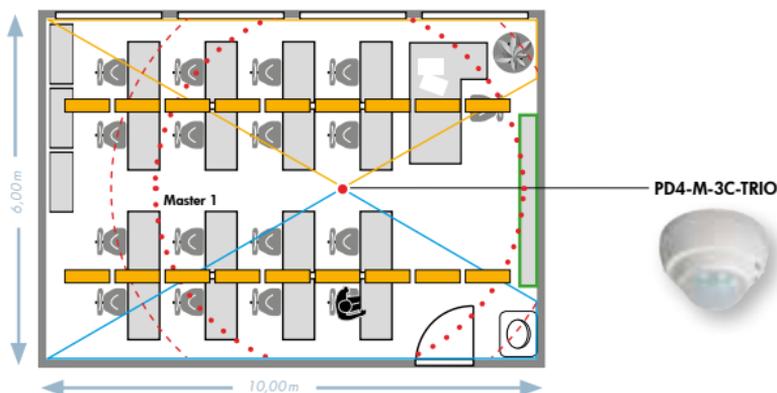
Switch-off delay time R1: > 5 min.
Brightness switching value R1: 300Lux or individual using remote control
Switch-off delay time R2: optional

■ Connected circuit:

Standard operation

Description	Colour	Page	Part number
PD4-M-2C-DUO-SM	white	59	92158
PD4-M-2C-DUO-FC	white	59	92251
PD4-M-2C-DUO-FM	white	59	92252
PD4-M-DUO-DIM-SM	white	73	92271
PD4-M-DUO-DIM-FC	white	73	92272
PD4-M-DUO-DIM-FM	white	73	92273

APPLICATION EXAMPLE 23: CLASSROOM WITH PD4-M-3C-TRIO OR PD4-M-TRIO-DIM



- Group 1-3
- Zone 1: Area of light near window
- Zone 2: Area of light away from window
- Zone 3: Control of board lighting
- • • Seated detection area
- - - Walking towards detection area

■ **Application description:**

In a classroom, the lighting is to be separately controlled dependent on presence and daylight in a perimeter near windows and a light perimeter away from the windows. The application of a separately switchable board lighting should be come along. Despite the automatic control, it should be made possible to manually influence the switching condition via buttons or remote control. The motion detector is to be mounted on the ceiling.

■ **Building information:**

Type: classroom with daylight
Dimensions: L 10.00 x W 6.00 m
Room height: 2.70 m (in light)

■ **illumination:**

Two lighting groups with electronic ballast
Board lighting

■ **Products shown:**

1 each LUXOMAT® PD4-TRIO or
1 each LUXOMAT® PD4-TRIO-DIM

■ **Device settings:**

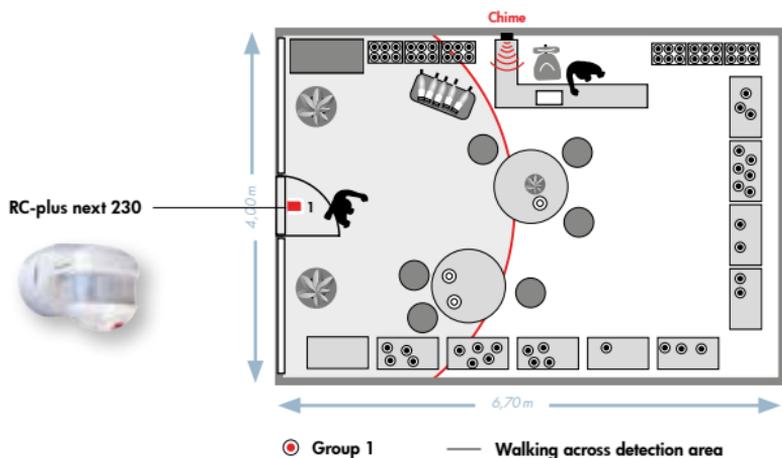
Switch-off delay time R1: > 5 min.
Brightness switching value R1: 300 Lux or individual using remote control
Switch-off delay time R2: optional

■ **Connected circuit:**

Standard operation

Description	Colour	Page	Part number
PD4-M-3C-TRIO-FC	white	63	92745
PD4-M-3C-TRIO-SM	white	63	92740
PD4-M-TRIO-DIM-FC	white	74	92735
PD4-M-TRIO-DIM-SM	white	74	92730

APPLICATION EXAMPLE 24: SHOP WITH RC-PLUS NEXT 230



Application description:

In a shop the customer presence has to be indicated by a chime.
The motion detector must be fixed above the entrance door.

Building information:

Type: shop with daylight
Room height: 2.70m

Products shown:

1 LUXOMAT® RC-plus next 230

Illumination:

In this case the chime only will be activated, no light.

Device settings:

Impulse mode
Brightness: day/night ("sun" symbol)

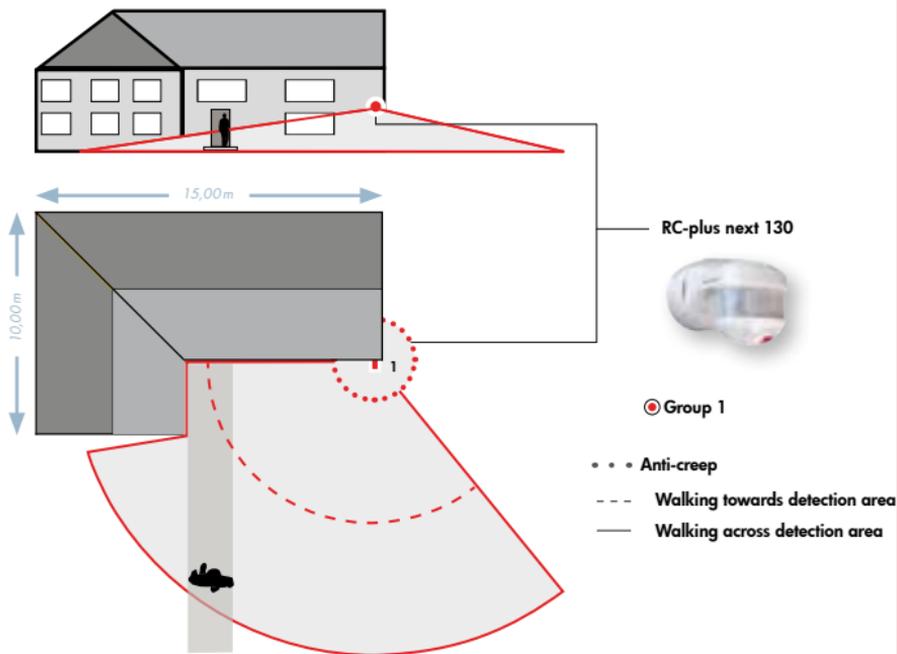
Connected circuit:

Standard operation with chime connected

Description	Colour	Page	Part number
RC-plus next 230	white	9	97002
RC-plus next 230	brown	9	97012
RC-plus next 230	black	9	97022
RC-plus next 230	Silver	9	97042

APPLICATION EXAMPLE 25: HOUSE ENTRANCE WITH RC-PLUS NEXT 130

B.E.G.



■ **Application description:**
House entrance, wall mounting of the LUXOMAT® motion detectors. The persons approach always on the small access way and must be detected as early as possible.

■ **Building information:**
Type: house entrance with daylight
Mounting height: 2.50 to 3.00 m

■ **Illumination:**
One light group

■ **Products shown:**
1 LUXOMAT® RC-plus next 130

■ **Device settings:**
Switch-off delay time: 4 min.
Brightness: dusk in progress (symbol "moon", dark)

■ **Connected circuit:**
Standard operation

■ **Note:**
Please ensure that the motion detector installation is always made lateral to the pedestrian and vehicle driving direction. If one walks directly toward the detector, the range is significantly reduced.

Description	Colour	Page	Part number
RC-plus next 130	white	8	97001
RC-plus next 130	brown	8	97011
RC-plus next 130	black	8	97021

Part number	Description	Prod./Gr.	Page
10880	RC-Arc extinction kit	06	18
10882	Mini-RC-Arc extinction kit	06	18
32697	Blinds for RC-plus next	06	18
32698	Blinds for LC-plus 280	06	18
32699	Blinds for LC-Click-N	06	18
32702	Blinds for PD9	06	35
33207	Blinds for PD9-GH	06	35
33232	Blinds for LC-Mini	06	18
33233	Blinds for 180	06	114
35126	Centre plate for modular push button (angled corners)	06	114
35127	Centre plate for modular push button (rounded corners)	06	114
36635	Blinds for PD2-FC	06	108
90162	IR.SMARTHOME	09	131
91001	LC-Click-N 140 white	13	14
91002	LC-Click-N 200 white	01	15
91008	LC-plus 280 white	01	13
91011	LC-Click-N 140 brown	13	14
91012	LC-Click-N 200 brown	01	15
91018	LC-plus 280 brown	13	13
91021	LC-Click-N 140 black	13	14
91022	LC-Click-N 200 black	01	15
91028	LC-plus 280 black	01	13
91048	LC-plus 280 silver	13	13
91051	LC-Mini 120 white	13	16
91052	LC-Mini 180 white	13	17
91071	LC-Mini 120 black	13	16
91072	LC-Mini 180 black	13	17
92000	IR-RC	09	130
92018	Protection against vandalism for Indoor 180	06	114
92040	IR.PD4-SP	09	133
92066	RC-plus next 230 ZW white	25	12
92067	PD3N-FM-ZW	25	26
92071	PD3N-FC-ZW	25	26
92072	PD3N-SM-ZW	25	26
92090	IR-RC-Mini	09	130
92092	IR-PD-DUO	09	134
92093	IR-LC-Mini	09	131
92094	IR-PD-DALI	09	135
92095	IR-LC-plus	09	130
92097	IR-PD4-TRIO	09	135
92098	IR-PD-DIM-Mini	09	134
92100	Wall bracket for remote control	06	137
92102	IR-PD4-TRIO SWI	09	134
92104	IR-PD4-TRIO-DALI	09	136
92105	IR-PD3N	09	131
92112	IR-PD-DALI-Mini	09	135
92113	PD2-LTMS-FC	13	98
92114	IR-PD-DIM-HKL	09	135
92115	IR-PD3N-2C	09	131
92116	IR-PD-DALI-1C	09	136
92121	SM-Socket IP54 for PD1N-FM	06	54
92122	IR-PD-DALI-E	09	137
92123	IR-PD-KNX	09	137
92135	Indoor 180-S covering included	13	132
92136	Indoor 180-M2C covering included	13	122

Part number	Description	Prod./Gr.	Page
92139	Covering IP54 pure white, RAL9010	06	124
92140	PD4-M-2C-SM	13	56
92141	SM-Socket for Indoor 180	06	116
92142	PD4-S-5M	13	89
92143	PD4-M-2C-FC	13	57
92144	PD4N-1C-SM	13	27
92147	PD4-M-DIM-SM	13	66
92148	PD4-M-2C-FC	13	56
92149	PD4N-1C-FC	13	27
92150	PD2-M-2C-SM	13	55
92151	PD4N-1C-FM	13	27
92152	PD2-S-5M	13	88
92153	PD2-M-DIM-SM	13	65
92154	PD2-M-2C-11-48V-3A-SM	13	97
92155	PD2-M-2C-FM	13	55
92156	PD2-S-5M	13	88
92157	PD2-M-DIM-FM	13	65
92158	PD4-M-2C-DUO-SM	13	59
92159	IR-PD-Mini	09	132
92160	IR-PD	09	132
92161	Socket IP54 for PD2- and PD4-SM	06	42
92163	PD4-S-5M	13	89
92164	PD2-M-2C-11-48V-3A-FC	13	
92165	PD2-M-2C-FC	13	55
92166	PD2-S-5C	13	88
92167	PD2-M-DIM-FC	13	65
92184	PD3N-1C-FC Acoustic	13	24
92186	PD3N-1C-FM	01	22
92188	PD3N-2C-FM	13	25
92190	PD3N-1C-SM	01	22
92196	PD3N-1C-FC	01	22
92198	PD3N-2C-FC	13	25
92199	Wire basket BSK (Ø 200 x 100)	06	18
92200	IR-PDim	09	134
92201	IR-PD9	09	133
92215	IR-PD4-GH	09	133
92217	PD4-M-DIM-C-FC	13	67
92218	PD4-M-DIM-C-SM	13	67
92219	PD3N-1C-SM Acoustic	13	24
92238/ 92237/ 92235	Cover ring for PD9 (Ø 36 mm)	06	30
92245	PD4-M-1C-GH-SM	13	46
92247	PD4-M-DIM-FC	13	66
92248	PD4-M-DIM-FM	13	66
92251	PD4-M-2C-DUO-FC	13	59
92252	PD4-M-2C-DUO-FM	13	59
92254	PD4-S-FC	13	89
92255	PD4-M-2C-FM	13	56
92258	PD2-M-DALI/DSI-FC	13	75
92260	Blinds for PD2- and PD4 SM	06	108
92265	PD4-S-GH-SM	13	91
92270	PD4N-1C-C-SM	13	28
92271	PD4-M-DUO-DIM-SM	13	73
92272	PD4-M-DUO-DIM-FC	13	73
92273	PD4-M-DUO-DIM-FM	13	73
92274	PD4N-1C-C-FC	13	28

PRODUCT LISTING

B.E.G.

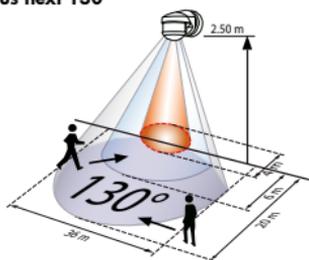
Part number	Description	Prod./Gr.	Page
92275	PD4-M-DALI/DSI-FC	13	76
92276	PD4-M-DUO-DALI/DSI-FC	13	84
92279	PD4-M-DALI/DSI-SM	13	76
92280	PD2-M-DALI/DSI-SM	13	75
92300	PD2LON-SM	13	106
92301	PD2LON-FC	13	106
92305	PD2-M-2C-11-48V-RR-SM	13	97
92306	PD2-M-2C-11-48V-RR-FC	13	97
92310	PD5-M-DIM-Clip	13	68
92313	Blinds for PD4-FC / -FM	06	35
92315	PD5-M-1C-Clip	13	47
92316	PD5-S-Clip	13	92
92327	Cover ring for PD9 (Ø 45 mm)	06	30
92328	PD4-M-DALI/DSI-C-FC	13	77
92332	RC-LTW	09	136
92346	Cover ring for PD9 (Ø 45 mm)	06	30
92375	Socket IP65 for PD4-AP	06	43
92376	SM-Socket for SM-devices	06	44
92386	Socket IP54 for PD4-TRIO-SM	06	63
92440	PD4-M-2CC-SM	13	57
92441	Wall bracket for PD4-SM	06	57
92442	PD4-S-C-SM	13	90
92443	PD4-M-2CC-FM	13	57
92444	PD4-S-C-FC	13	90
92445	PD4-S-C-FM	13	90
92467	Wire basket BSK (Ø 164 x 143)	06	8
92475	IR-PD-2C	09	132
92479	IR-PD-LD	09	133
92480	PD4-M-1C-C-PS-FC	13	45
92485	PD4-M-1C-C-PS-SM	13	45
92486	PD2-M-DALI/DSI-1C-FC	13	80
92488	PD4-M-DALI/DSI-1C-FC	13	82
92507	PD4-M-DIM-HVAC-3A-FC	13	71
92520	IR-PD-1C	09	132
92530	PD4-M-DALI/DSI-C-SM	13	77
92547	PD4-M-DIM-HVAC-16A-FC	13	71
92550	PD2-M-1C-SM	13	42
92555	PD2-M-1C-FM	13	42
92565	PD2-M-1C-FC	13	42
92575	PD4-M-1C-FM	13	43
92576	PD3N-1C-NO-PF-FC	01	23
92580	PD4-M-1C-SM	13	43
92583	PD11-M-1C-FLAT-FC	13	53
92585	PD4-M-1C-FC	13	43
92586	PD4-M-1C-C-FC	13	44
92587	PD4-M-1C-C-SM	13	44
92593	PD11-S-FLAT-FC	13	96
92610	Indoor 180-R, covering included (UK version)	13	116
92611	Indoor 180-T covering included (UK version)	13	117
92615	Indoor 180-R/2W-UK, covering included (UK version)	13	118
92616	Indoor 180-R-2D covering included (European version)	13	118
92621	Indoor 180-R-11-48V-3A covering included	13	119
92622	Indoor 180-T covering included (European version)	13	117

Part number	Description	Prod./Gr.	Page
92623	Indoor 180-R, covering included (European version)	13	116
92630	Covering IP20 pure white, RAL9010	06	112
92632	Covering IP20 cream white, RAL1013	06	112
92633	Covering IP20 silver, RAL9006	06	112
92634	Covering IP20 anthracite, RAL7021	06	112
92641	Covering IP20 traffic white, RAL9016	06	112
92649	IR-RC-LD	09	130
92650	Indoor 180-SC covering included	13	120
92652	IR-PD-DALI-LD	09	136
92655	SCT1	36	121
92660	Indoor 180-S covering not included	13	123
92661	Indoor 180-M-2C covering not included	13	122
92663	Indoor 180-LON covering not included	13	125
92664	Indoor 180-T covering not included (European version)	13	117
92665	Indoor 180-R, covering not included (European version)	13	116
92666	Indoor 180-R-11-48V-3A covering not included	13	119
92667	Indoor 180-R-11-48V-RR covering not included	13	119
92668	Indoor 180-TR covering not included	13	120
92698	PD2-M-DALI/DSI-HVAC-FC	13	81
92699	PD4-M-DALI/DSI-HVAC-FC	13	81
92700	PICO-S-FC	13	95
92712	PICO-M-1C-FC	13	52
92730	PD4-M-TRIO-DIM-SM	13	74
92735	PD4-M-TRIO-DIM-FC	13	74
92740	PD4-M-3C-TRIO-SM	13	63
92745	PD4-M-3C-TRIO-FC	13	63
92746	PD4-M-TRIO-C-3P-FC	13	62
92749	PD4-M-TRIO-3P-FC	13	61
92750	PD4-M-TRIO-DALI/DSI-SM	13	85
92751	PD4-M-TRIO-2DALI/DSI-1C-SM	13	86
92755	PD4-M-TRIO-DALI/DSI-FC	13	85
92756	PD4-M-TRIO-2DALI/DSI-1C-FC	13	86
92760	PD4-M-2C-DS-FC	13	60
92805	Flush-mounted Powerline actuator	25	12
92807	Surface-mounted wireless actuator	25	12
92808	Plug-socket wireless repeater	25	12
92870	PD1N-M-2C-FM	13	54
92872	PD1N-S-FM	13	87
92873	PD1N-M-DIM-FM	13	64
92874	PD1N-M-2C-FC	13	54
92875	PD1N-S-FC	13	87
92876	PD1N-M-DIM-FC	13	64
92877	PD1N-M-2C-SM	13	54
92878	PD1N-S-SM	13	87
92879	PD1N-M-DIM-SM	13	64
92880	PD2-KNX-SM	18	99
92881	PD2-KNX-FC	18	99
92882	PD2-KNX-FM	18	99
92883	PD4-KNX-SM	18	100
92884	PD4-KNX-FC	18	100

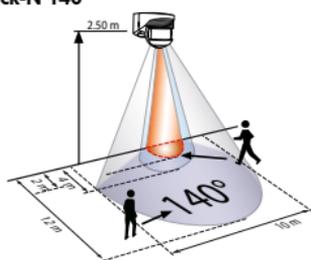
Part number	Description	Prod./Gr.	Page
92885	PD4-KNX-FM	18	100
92886	PD4-KNX-C5M	18	102
92887	PD4-KNX-CFC	18	102
92888	PD4-KNX-CFM	18	102
92889	PD4-KNX-GH5M	18	101
92890	PD9-KNX-FC	18	103
92891	PD9-KNX-GH-FC	18	104
92892	Indoor 180-KNX-FM	18	124
92893	PD11-KNX-FLAT-FC	18	105
92894	RC-plus next 230 KNX white	18	11
92895	RC-plus next 230 KNX black	18	11
92900	PD9-M-1C-FC white	13	48
92901	PD9-M-1C-FC silver	13	48
92902	PD9-1C-FC white	13	30
92903	PD9-1C-FC silver	13	30
92905	PD9-S-FC white	13	93
92906	PD9-S-FC silver	13	93
92910	PD9-M-DIM-FC white	13	69
92911	PD9-M-DIM-FC silver	13	69
92912	PD9-M-1C-SDB-IP65-FC white	13	50
92913	PD9-M-1C-SDB-IP65-FC silver	13	50
92915	PD9-S-SDB-FC	13	50
92917	PD9-DIG-FC	13	29
92920	PD9-M-DALI/DSI-FC	13	78
92923	PD9-M-1C-GH-FC white	13	49
92924	PD9-M-DIM-GH-FC white	13	70
92925	PD9-M-1C-GH-FC silver	13	49
92927	PD9-M-DIM-GH-FC silver	13	70
92928	PD9-S-GH-FC white	13	94
92929	PD9-S-GH-FC silver	13	94
92930	PD9-LON-FC	13	107
92931	PD9-M-1C-SDB-IP65-GH-FC white	13	51
92932	PD9-M-1C-SDB-IP65-GH-FC silver	13	51

Part number	Description	Prod./Gr.	Page
92933	PD9-S-SDB-GH-FC (Slave)	13	51
92934	PD9-1C-GH-FC white	13	31
92935	PD9-1C-GH-FC silver	13	31
92938	PD9-M-DALI/DSI-GH-FC	13	79
92973	PD9-M-DIM+HVAC-FC	13	72
92976	PD9-M-1C+HVAC-FC	13	58
92985	PD9-1C-12-48V-FC	13	32
94325	Indoor 140-L covering not included (European version)	13	115
94340	Covering IP20 traffic white, RAL9016	06	111
94341	Covering IP20 anthracitet, RAL7021	06	111
94342	Covering IP20 pure white, RAL9010	06	111
94343	Covering IP20 pure white, RAL9010	06	111
94344	Covering IP20 cream white, RAL1013	06	111
94401	HF-MD1	27	33
94402	HF-MD25M	27	34
94417	HF-MD1 ESL	27	33
97001	RC-plus next 130 white	01	8
97002	RC-plus next 230 white	01	9
97003	RC-plus next 280 white	01	10
97004/ 97014/ 97024	Outside corner socket for RC-plus next	06	8
97005	Inside corner socket for RC-plus next white	06	8
97011	RC-plus next 130 brown	01	8
97012	RC-plus next 230 brown	01	9
97013	RC-plus next 280 brown	01	10
97021	RC-plus next 130 black	01	8
97022	RC-plus next 230 black	01	9
97023	RC-plus next 280 black	01	10
97042	RC-plus next 230 silver	01	9

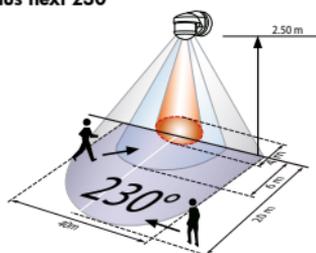
RC-plus next 130



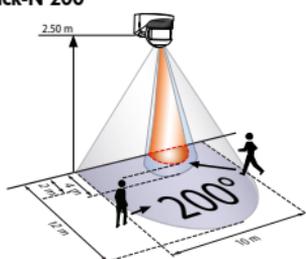
LC-Click-N 140



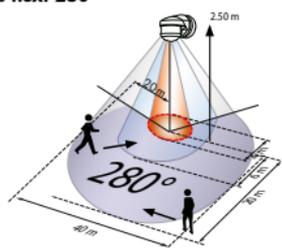
RC-plus next 230



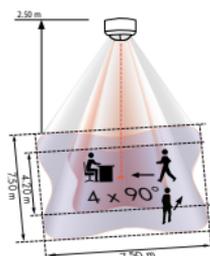
LC-Click-N 200



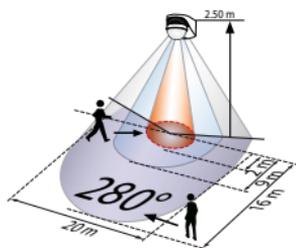
RC-plus next 280



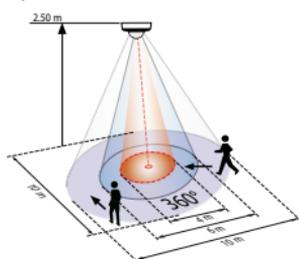
PD1N



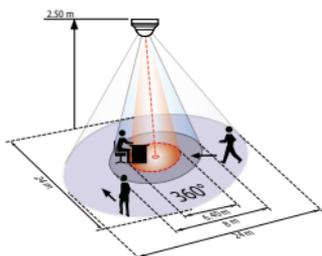
LC-plus 280



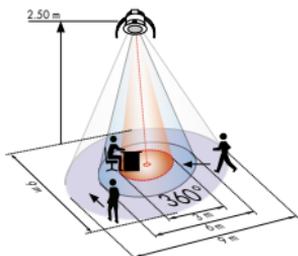
PD2/PD3N



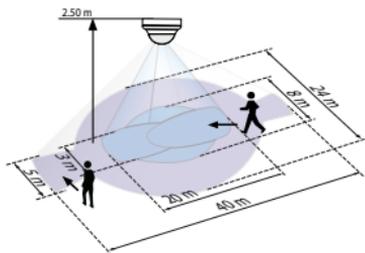
PD4



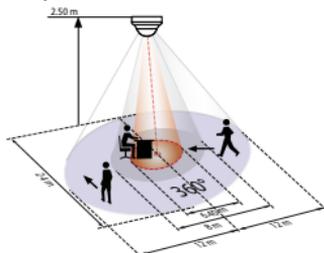
PD11



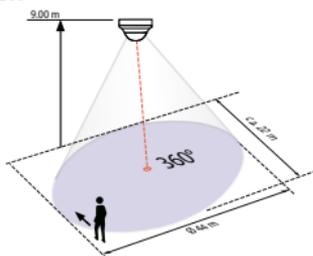
PD4-C



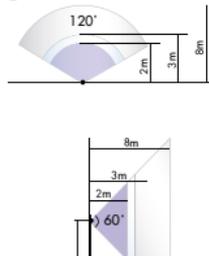
PD4-DUO/PD4-TRIO



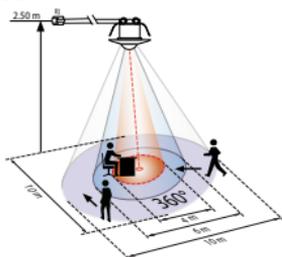
PD4-GH



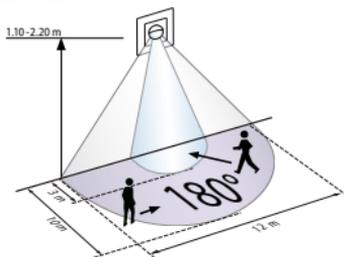
Indoor 140-L



PD9/PICO



Indoor 180



B.E.G.

B.E.G. (UK) Ltd.

Q West, Great West Road
Brentford, Middlesex, TW8 0GP
Tel: +44 (0) 870.850 54 12
Fax: +44 (0) 870.850 54 13
E-Mail: info@beguk.co.uk
Internet: www.beg-luxomat.com

B.E.G. Ireland

Marlin Electrical
10 Vesey Place • Monkstown
Dun Laoghaire, Dublin
Tel: +353(0)12807205
Fax: +353(0)12807776
Internet: www.beg-luxomat.com

B.E.G. Brück Electronic GmbH

Schlosserstr. 30 • D-51789 Lindlar
Tel: +49 (0) 2266.90 121-0
Fax: +49 (0) 2266.90 121-50
E-Mail: info@beg.de
Internet: www.beg-luxomat.com



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