



**Occupancy and
motion detectors**

Catalogue



Three steps to the right device

1. Application

Page tabs sorted by use or application

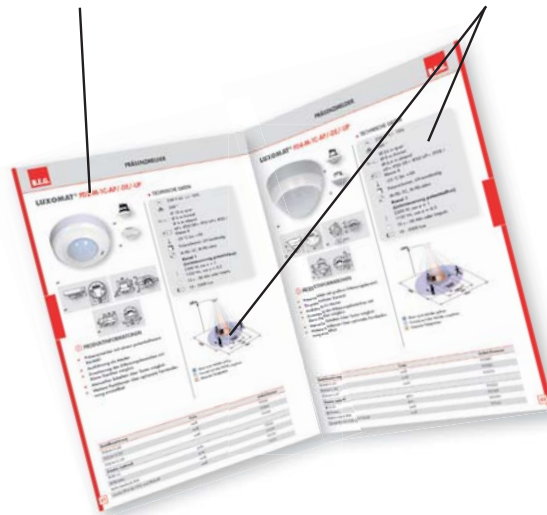













2. Function











Product sequence by type description and functionality

3. Technical Data

Specification by technical data and detection area



-  Power supply
-  typ. power input
-  Detection area
-  Range (approx.) in m
-  Degree of protection
-  Ambient temperature
-  Housing
-  Switching power
-  Lux value
-  Remote control-capable
-  Time settings

-  Cable length
-  Frequency
-  Mandatory mounting height
-  1-10 V dim output with Master function
-  DALI connection with Master function
-  Slave device
-  Pulse function
-  Analog output of temperature change
-  KNX BUS connection
-  LON BUS connection



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

Since 40 years, the family company founded in 1975 with its headquarters in Lindlar (near Cologne) stands for quality and innovation with customer satisfaction at its heart.

The foundation stone of the products within the comprehensive range was the development and production of emergency lights. Shortly thereafter the production of emergency lighting systems followed.

B.E.G. was one of the first companies in Germany to commence the production of motion detectors and automatic lights in 1986. Since then, **B.E.G.** has produced several generations of motion detectors mainly for outdoor use on buildings that help increase security. The growth in automated systems for buildings and the resulting increase in the demand for intelligent control led to an expansion in our range of daylight- and presence-dependent occupancy detection. The cost reduction through energy saving and the protection of the environment plus the additional comfort factor are strong arguments for the use of occupancy detectors.

The new purpose-built distribution and logistics centre with an attached production and development unit in Lindlar was commissioned in 2007.









In 2014, the new administration building has been built next to the distribution and production centre. Naturally, the new centre's building services are equipped with devices from the **B.E.G.** range: all rooms and passages are fitted with KNX occupancy detectors. For controlling DALI lights, occupancy detectors, blinds and light switches, the newly-developed KNX Room Controller RCT is used. The market for energy-efficient products, such as **B.E.G.**'s occupancy detectors, has been growing strongly for years. The new administration centre and its location next to the logistics centre offer the possibility to continue **B.E.G.**'s expansion.

In order to offer the customers a clear product structure, the product range has been divided into six product lines: **LUXOMAT®**, **LUXOMATIC®**, **B.E.G. KNX**, **B.E.G. SMARTHOMES®**, **SAFETYLUX®** and **CHRONOLUX**. They emphasise **B.E.G.**'s strengths: a broad product range, individual solutions, outstanding quality, and personal service. **B.E.G.** – The lighting control professionals.

Today, **B.E.G.** has an excellent reputation all over Germany and internationally with a steadily increasing number of offices and representatives in many countries around the world.

Page numbers for occupancy and motion detectors according to their designation

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	ITMS	KNX	ION	HF
RC-plus next 130		8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RC-plus next 230		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-
RC-plus next 280		10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IC-plus 280		12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IC-ClickN 140		13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IC-ClickN 200		14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IC-Mini 120		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IC-Mini 180		16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD1N		-	-	53	-	-	-	62	-	-	-	-	-	-	-	86	-	-	-	-	-
PD2		-	-	41	54	-	-	63	-	-	73	78, 79	-	-	-	87	97	98, 99	101	108	-
PD3N		21, 22	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD3N-Acoustic		23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4		25	-	42	55	58	61	64	69	71	72	74	80, 81	82	83	88	-	100	102	109	-
PD4-PS-C		-	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-DS		-	-	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-C		26	-	43	56	-	-	65	-	-	76	-	-	-	-	89	-	-	103	-	-
PD4-GH		-	-	45	-	-	-	-	-	-	-	-	-	-	-	90	-	-	104	-	-
PD4-TRIO-C-3P		-	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD4-TRIO-2DALI-1C		-	-	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-	-	-	-
PD4-DAA4G		-	-	-	-	-	-	-	-	-	85	-	-	-	-	91	-	-	-	-	-
PD5		-	-	46	-	-	-	66	-	-	-	-	-	-	-	92	-	-	-	-	-
PD9-DIGI		27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PD9		28	-	47	57	-	-	67	70	-	76	-	-	-	-	93	29	-	105	110	-
PD9-GH		29	-	48	-	-	-	68	-	-	77	-	-	-	-	94	-	-	106	-	-
PD9-SDB		-	-	59	-	-	-	-	-	-	-	-	-	-	-	49	-	-	-	-	-
PD9-SDB-GH		-	-	50	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-
PICO		-	-	51	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	-	-
PD11		-	-	52	-	-	-	-	-	-	-	-	-	-	-	96	-	-	107	-	-
Indoor 140-L		118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180		-	-	-	125	-	-	-	-	-	-	-	-	-	-	126	-	-	127	-	-
Indoor 180-R		119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122	-	-	-	-
Indoor 180-T		120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180-R2D		121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indoor 180-TR		123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HF-MD1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-
HF-MD2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-
Cd5T		130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CdS		133 - 135	-	-	-	-	-	132	-	-	-	131	-	-	-	-	-	-	-	-	-
TS-DD		136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MiniClip LR1		137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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OUTDOOR
MOTION DETECTORS



INDOOR
MOTION DETECTORS



CEILING-MOUNTED
OCCUPANCY DETECTORS



WALL SWITCHES



DÄMMERUNGSSCHALTER



REMOTE CONTROLS

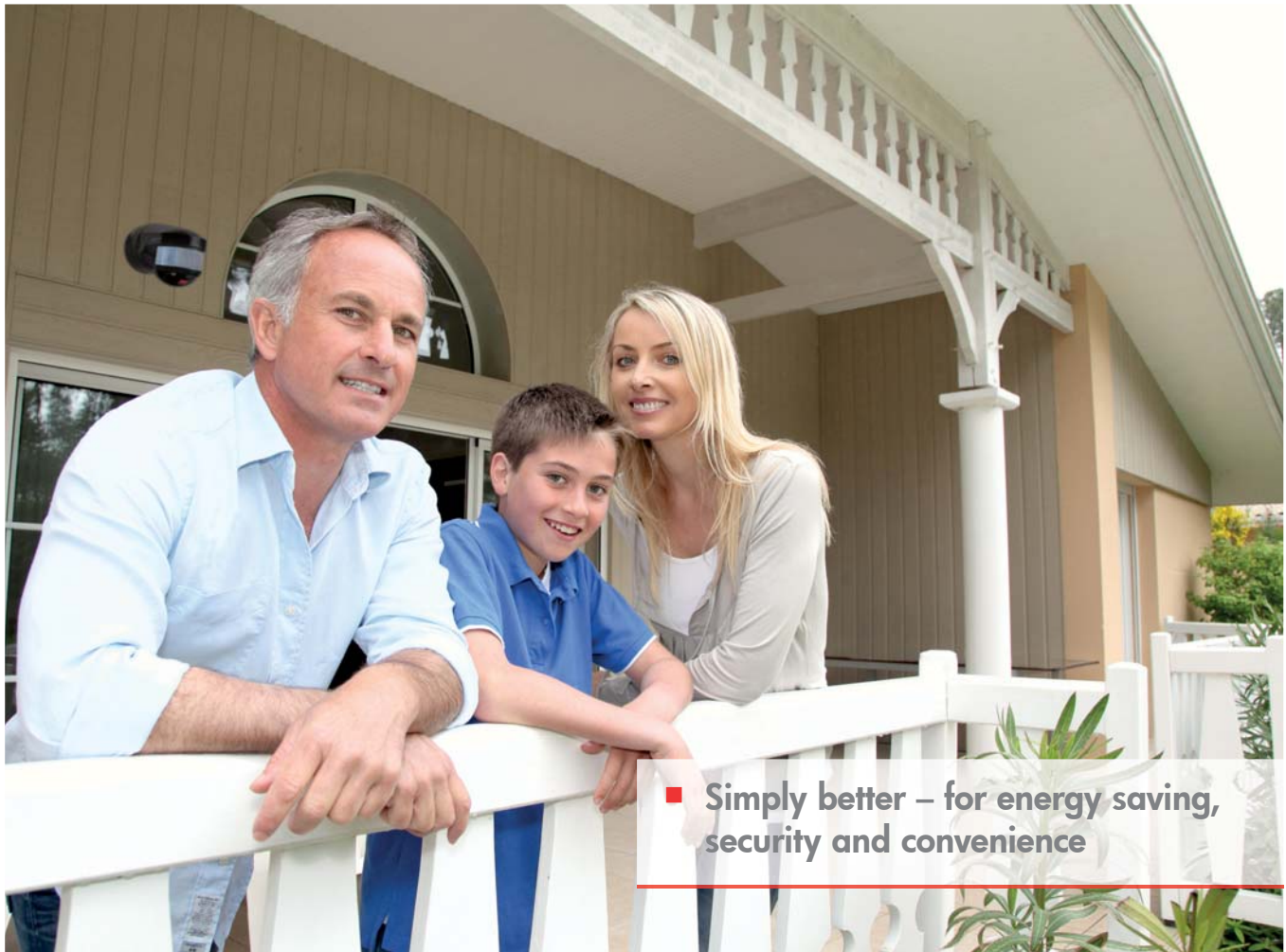


WIRING DIAGRAMS



APPLICATION EXAMPLES

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 elements for mechanical range adaption and potentiometers for lux value (switch-on threshold) and time adjustment are located underneath the sensor head.

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

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

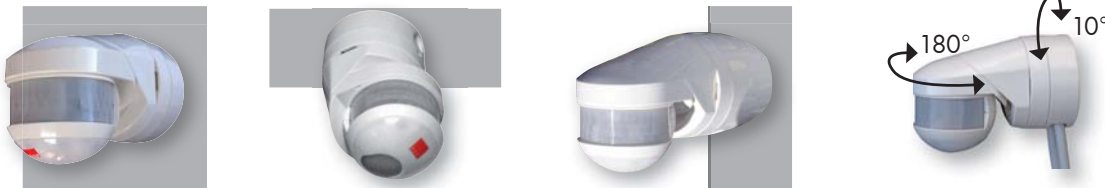
Overview motion detectors for outdoor use

Motion detector	Part number	Page	Wall mounting	Ceiling mounting	Outdoor corner mounting	Motion detection	Remote control-capable	Range	Detection angle
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°
LC-plus 280	91008 – white 91018 – brown 91028 – black 91048 – silver	12	■	–	■	■	■	16 m	280°
LC-Click-N 140	91001 – white 91011 – brown 91021 – black	13	■	–	–	■	–	12 m	140°
LC-Click-N 200	91002 – white 91012 – brown 91022 – black	14	■	–	–	■	–	12 m	200°
LC-Mini 120	91051 – white 91071 – black	15	■	–	–	■	–	10 m	120°
LC-Mini 180	91052 – white 91072 – black	16	■	–	–	■	–	10 m	180°

□ Accessory required

RC-plus next – The premium class

Mounting types



Special features

Cover clips and cover



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



Cable entry from above, below or behind

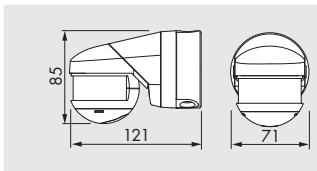


LUXOMAT® RC-plus next 130

OUTDOOR
MOTION DETECTORS



white

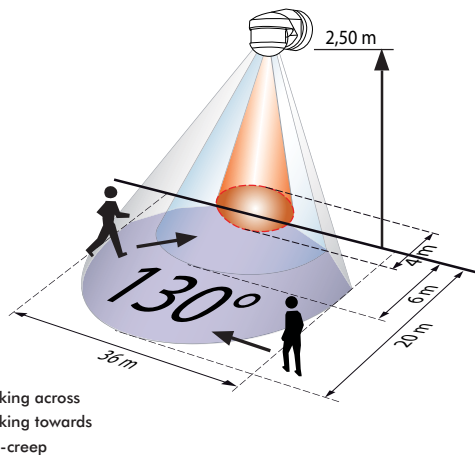


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
(can also be supplied with other operating voltages on request)
- approx 0.5 W
- 130°
- max. 20 m when walking across (tangential)
- IP54 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-RC, IR-RC-LD, IR-RC-Mini
- Channel 1 (lighting control)**
- 3000 W, cos φ = 1
1500 VA, cos φ = 0.5
NO contact with tungsten pre-make contact
- 15 sec - 16 min, pulse
- 2 - 2000 Lux

i PRODUCT INFORMATION

- Motion detector with 130° detection area and anti-creep zone
- Mechanical range adjustment
- Different follow-up time depending on direction of movement
- Adjustable ball head
- Simple mounting thanks to plug base
- Wall, ceiling and corner mounting
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Factory settings 3 min and 20 lux



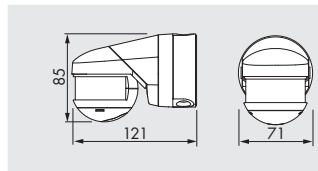
▶ Wiring diagrams on page 152!

Description	Colour	Part number
RC-plus next 130	white	97001
RC-plus next 130	brown	97011
RC-plus next 130	black	97021
Accessory		
IR-RC	white	92000
IR-RC-Mini	white	92090
IR-RC-LD	grey	92649
IR-Adapter for Smartphones	black	92726
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 mm)	white	92467

LUXOMAT® RC-plus next 230



white

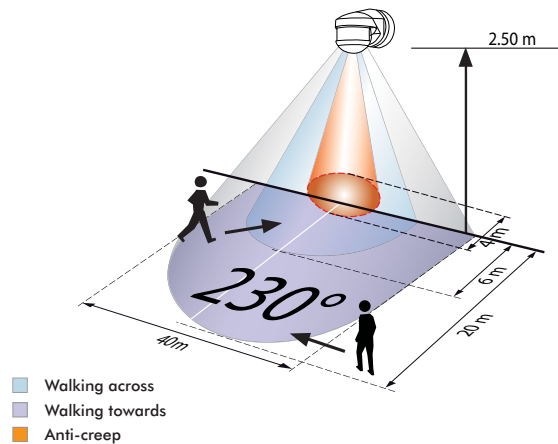


TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
(can also be supplied with other operating voltages on request)
- approx 0.6 W
- 230°
- max. 20 m when walking across (tangential)
- IP54 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-RC, IR-RC-LD, IR-RC-Mini
- Channel 1 (lighting control)**
- 3000 W, cos φ = 1
1500 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 16 min, pulse
- 2 - 2000 Lux

PRODUCT INFORMATION

- Motion detector with 230° detection area and anti-creep zone
- Mechanical range adjustment
- Two independent sensors with independent range adjustment
- Different follow-up time depending on direction of movement
- Adjustable ball head
- Simple mounting thanks to plug base
- Wall, ceiling and corner mounting
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Factory settings 3 min and 20 lux



▶ Wiring diagrams on page 152!

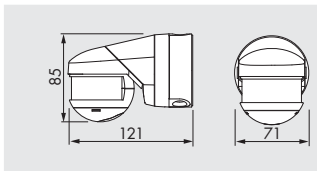
Description	Colour	Part number
RC-plus next 230	white	97002
RC-plus next 230	brown	97012
RC-plus next 230	black	97022
RC-plus next 230	silver	97042
Accessory		
IR-RC	white	92000
IR-RC-Mini	white	92090
IR-RC-LD	grey	92649
IR-Adapter for Smartphones	black	92726
Outside corner socket for RC-plus next	white/ brown/ black/ silver	97004/ 97014/ 97024/ 97043
Inside corner socket for RC-plus next	white	97005
Wire basket BSK (Ø 164 x 143 mm)	white	92467

LUXOMAT® RC-plus next 280

OUTDOOR MOTION DETECTORS



white

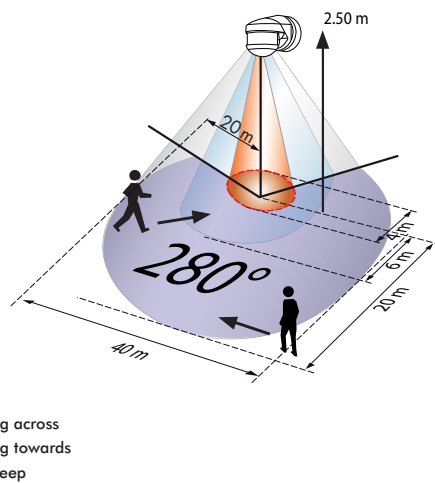


i PRODUCT INFORMATION

- Motion detector with 280° detection area and anti-creep zone
- Simple mounting thanks to plug base
- Three independent sensors with independent range adjustment
- Different follow-up time depending on direction of movement
- Adjustable ball head
- Mechanical range adjustment
- Special socket included for external corner mounting
- Wall, ceiling and corner mounting
- Immediate operation using factory settings
- Additional functions can be set up using the optional remote control.
- Factory settings 3 min and 20 lux

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
(can also be supplied with other operating voltages on request)
- approx 0.6 W
- 280°
- max. 20 m when walking across (tangential)
- IP54 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-RC, IR-RC-LD, IR-RC-Mini
- Channel 1 (lighting control)**
- 3000 W, cos φ = 1
1500 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 16 min, pulse
- 2 - 2000 Lux



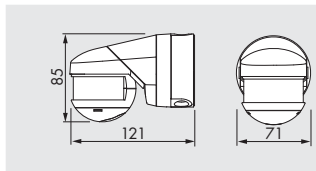
▶ Wiring diagrams on page 152!

Description	Colour	Part number
RC-plus next 280	white	97003
RC-plus next 280	brown	97013
RC-plus next 280	black	97023
Accessory		
IR-RC	white	92000
IR-RC-Mini	white	92090
IR-RC-LD	grey	92649
IR-Adapter for Smartphones	black	92726
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 mm)	white	92467

LUXOMAT® RC-plus next 230 KNX



white



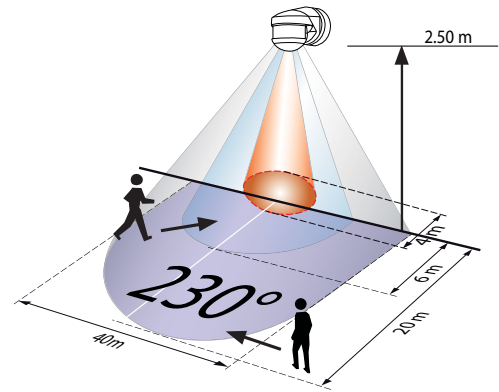
black

■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 7 mA
- 230°
- max. 20 m when walking across (tangential)
- IP54 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS systems**
- 5 - 1200 Lux

PRODUCT INFORMATION

- KNX motion detector with integrated KNX bus connector
- Switching mode, control mode, slave mode, occupancy-independent regulating mode
- When using the product database B.E.G._Praesenzmelder_928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Set values and follow-up times can be changed for all channels using communication objects
- Up to three additional switching channels – selectively either daylight-dependent or not
- 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
- Additional functions can be set up using the optional remote control.
- Wall, ceiling and corner mounting
- Factory settings 3 min and 20 lux



- Walking across
- Walking towards
- Anti-creep

▶ Wiring diagrams on page 152!

Description	Colour	Part number
RC-plus next 230 KNX	white	92894
RC-plus next 230 KNX	black	92895
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726
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 mm)	white	92467

LUXOMAT® LC-plus 280

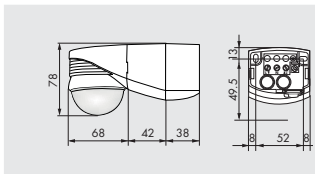


white

brown

black

silver

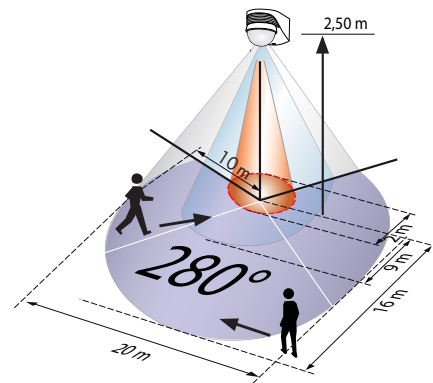


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.4 W
- 280°
- max. 16 m when walking across (tangential)
- IP44 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-LC-Mini, IR-LC-plus
- Channel 1 (lighting control)**
- 2000 W, cos φ = 1
1000 VA, cos φ = 0.5
- 15 sec - 16 min, pulse
- 2 - 2000 Lux

i PRODUCT INFORMATION

- Motion detector for seamless surveillance (with downward detection)
- Adjustable ball head
- Simple mounting thanks to plug base
- Detection area can be restricted with blinds
- Special socket for external corner mounting included
- Additional functions can be set up using the optional remote control.



- Walking across
- Walking towards
- Anti-creep

► Wiring diagrams on page 152!

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		
IR-LC-Mini	white	92093
IR-LC-plus	white	92095
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 164 x 143 mm)	white	92467

LUXOMAT® LC-Click-N 140



white

brown

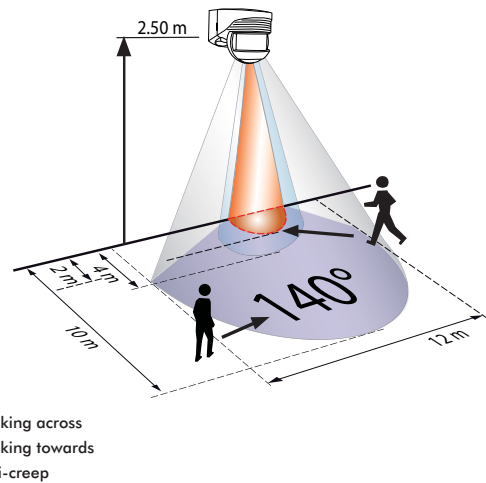
black

i **PRODUCT INFORMATION**

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

■ **TECHNICAL DATA**

- ⊜ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx 0.4 W
- 📐 140°
- 📏 max. 12 m when walking across (tangential)
- 📦 IP54 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 💡 2000 W, cos φ = 1
- ⚡ 1000 VA, cos φ = 0.5
- 🕒 4 sec - 20 min
- ☀️ 2 - 2000 Lux



- Walking across
- Walking towards
- Anti-creep

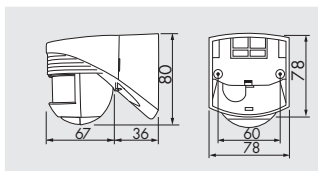
▶ Wiring diagrams on page 152!

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

LUXOMAT® LC-Click-N 200



white

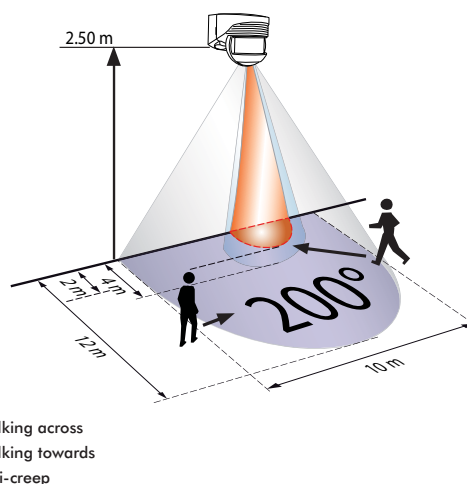


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.4 W
- 200°
- max. 12 m when walking across (tangential)
- IP54 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2000 W, cos φ = 1
1000 VA, cos φ = 0,5
- 4 sec - 20 min
- 2 - 2000 Lux

i PRODUCT INFORMATION

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



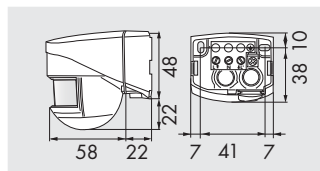
► Wiring diagrams on page 152!

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

LUXOMAT® LC-Mini 120



white



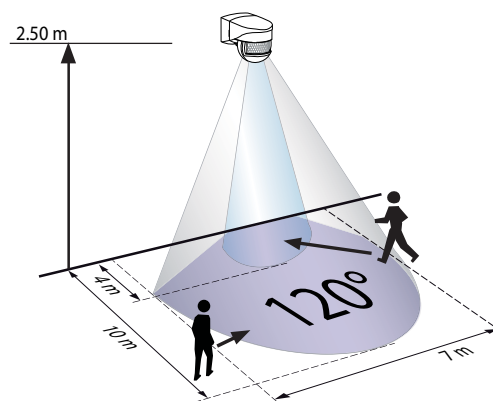
black

TECHNICAL DATA

- 230 V AC +/- 10 % 50 / 60 Hz
- approx 1.2 W
- 120°
- max. 10 m when walking across (tangential)
- IP44 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 1000 W, cos φ = 1
500 VA, cos φ = 0.5
- 4 sec - 10 min
- 2 - 2000 Lux

PRODUCT INFORMATION

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



- Walking across
- Walking towards

▶ Wiring diagrams on page 152!

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

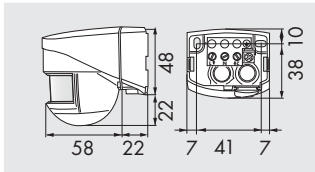
LUXOMAT® LC-Mini 180

OUTDOOR
MOTION DETECTORS



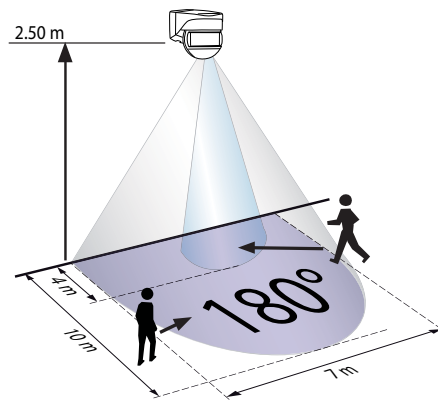
black

white



■ TECHNICAL DATA

- 230 V AC +/- 10 % 50 / 60 Hz
- approx 1.2 W
- 180°
- max. 10 m when walking across (tangential)
- IP44 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 1000 W, cos φ = 1
500 VA, cos φ = 0.5
- 4 sec - 10 min
- 2 - 2000 Lux



- Walking across
- Walking towards

i PRODUCT INFORMATION

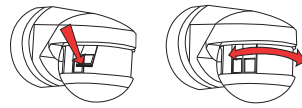
- User-friendly mini motion detector with 180° detection area
- Adjustable ball head
- Detection area can be restricted with blinds

▶ Wiring diagrams on page 152!

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

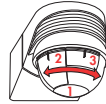
Blinds for B.E.G. motion detectors

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



RC-plus next with blinds

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

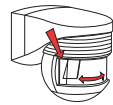


- 1 Anti-creep cover
- 2 Cover for near and remote zones
- 3 Remote zone cover



LC-plus 280 with blinds

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



LC-Click-N with blinds



LC-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 of interferences for your lighting installation. For technical reasons, voltage peaks when switching inductive loads (e.g. conventional ballasts), especially in combination with long cables, 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. An efficient suppression of interferences is achieved when the RC suppressor is installed near the source of interference.

Wire basket B.E.G.

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

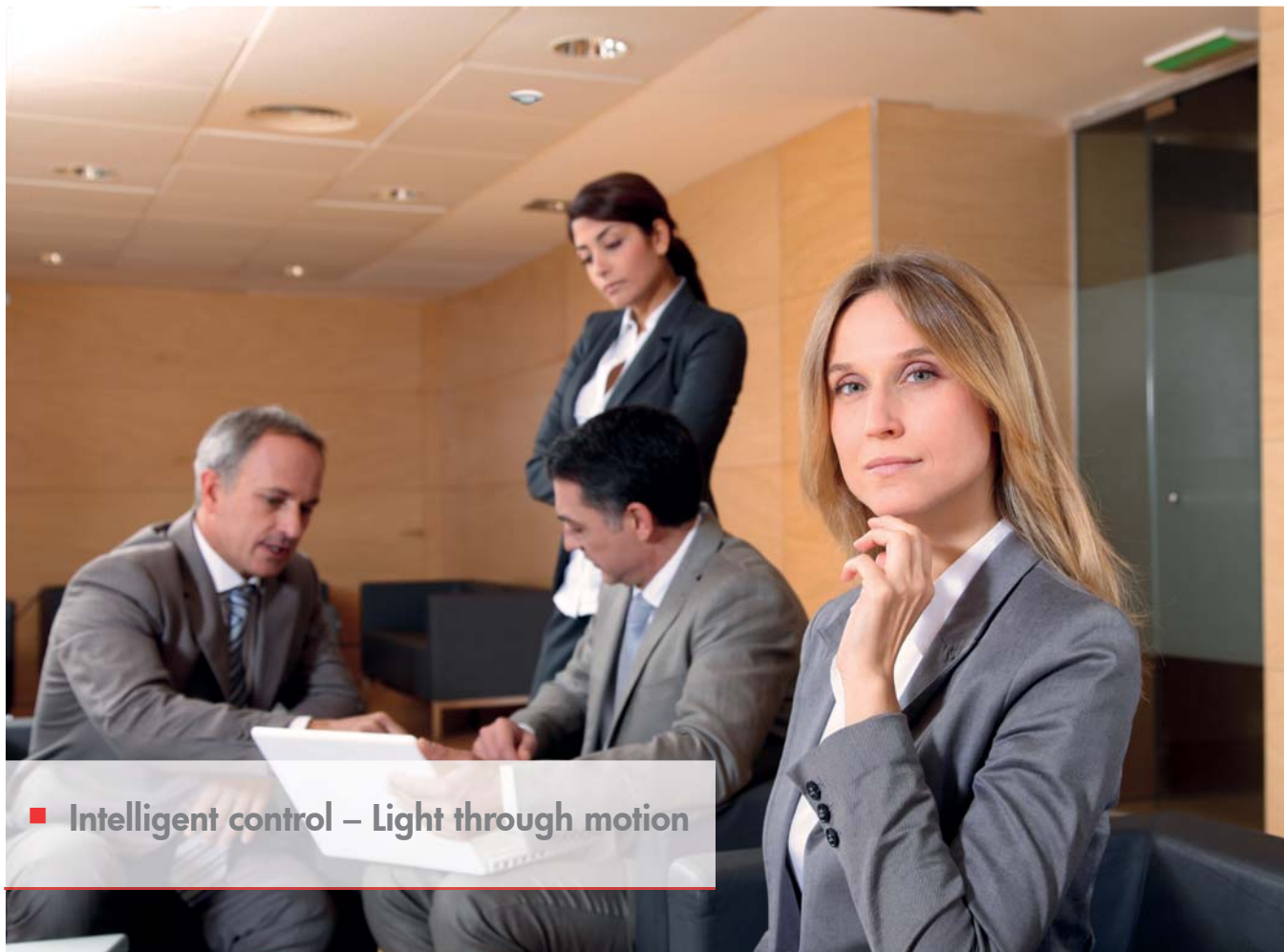


Ø 164 x 143 mm

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 follow-up time has expired.

This is achieved by means of passive infrared technology (PIR): the detection area of the motion detector is divided into many smaller subsections. Within these subsections, the detector measures any heat radiation resulting, for example, from a creature. If there are temperature differences in several subsections caused

by movement, these are detected by a sensor integrated in the detector. The sensor itself does not emit any radiation and is therefore called "passive".

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

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

Motion detector	Page				Simple light measurement	Motion detection	Remote control-capable	Range	Additional function
PD3N-1C	21	92190	92196	92186	▪	▪	▪	Ø 10 m	–
PD3N-1C-NO	22	–	92576	–	▪	▪	▪	Ø 10 m	–
PD3N-1C Acoustic	23	92219	92184	–	▪	▪	▪	Ø 10 m	with sensor
PD3N-2C	24	–	92198	92188	▪	▪	▪	Ø 10 m	–
PD4N-1C	25	92144	92149	92151	▪	▪	▪	Ø 24 m	–
PD4N-1C-C	26	92270	92274	–	▪	▪	▪	max. Ø 40 m	Corridor detectors
PD9-DIGI	27	–	92917	–	–	▪	–	Ø 3 m	Installation in light fittings
PD9-1C	28	–	92902 – white	–	▪	▪	–	Ø 10 m	Mini detector
PD9-1C-GH	29	–	92934 – white	–	▪	▪	–	Ø 6 m	large mounting heights
PD9-1C-12-48 V-FC	30	–	92985	–	▪	▪	–	Ø 10 m	12-48 V
HF-MD1	31	94401	–	–	▪	▪	–	max. Ø 16 m	HF detector
HF-MD1 ESL	31	94417	–	–	▪	▪	–	max. Ø 16 m	HF detector
HF-MD2	32	94402	–	–	▪	▪	–	max. Ø 16 m	HF detector

Overview of range in relation to 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

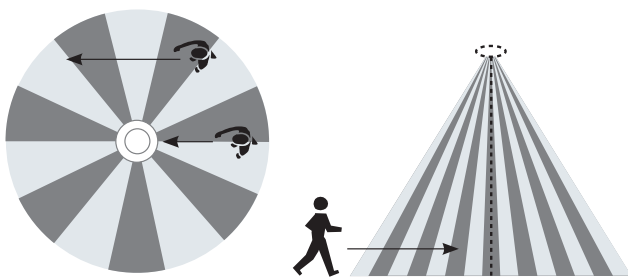
Range (circular detection) T=18°C			
Mounting height	Smaller movements	Walking across	Walking towards
2.00 m	r=2.60 m	r=8.50 m	r=3.20 m
2.50 m	r=3.20 m	r=12.00 m	r=4.00 m
3.00 m	r=3.80 m	r=14.50 m	r=4.80 m
3.50 m	r=4.50 m	r=17.00 m	r=5.50 m
4.00 m	–	r=19.50 m	r=6.80 m
4.50 m	–	r=22.00 m	r=7.20 m
5.00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

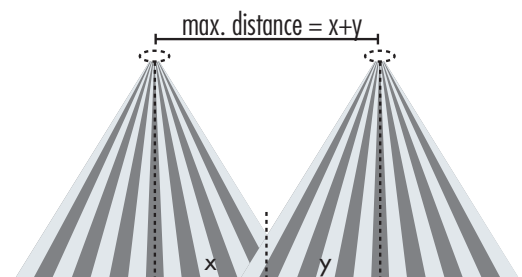
Ø=diameter
r=radius

Detector positioning



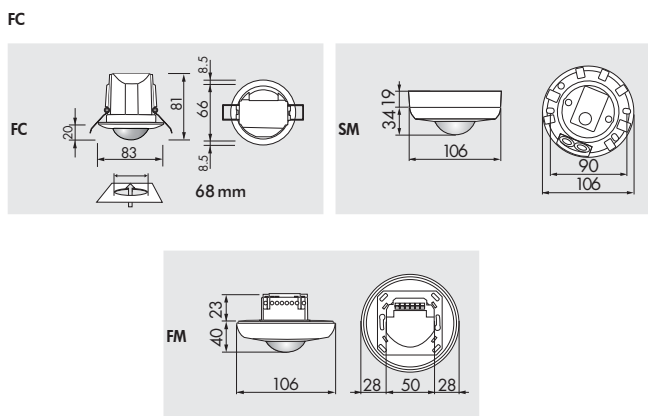
Maximum motion detection is achieved by walking across the detection area, not by walking towards it. This should be borne in mind when it comes to corridors.

Detector distance



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

LUXOMAT® PD3N-1C-SM/-FM/-FC

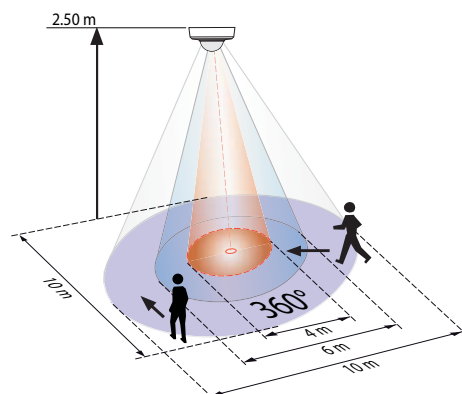


i PRODUCT INFORMATION

- Remote control-capable ceiling motion detector
- One channel for light switching
- Special optical system for detection of even the smallest movements

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- IP FC= IP23 SM= IP44 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD3N, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux



- Walking across
- Walking towards
- Smaller movements

► Wiring diagrams on page 152!

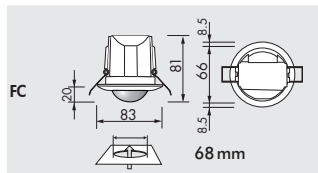
Description	Colour	Part number
PD3N-1C-FC	white	92196
PD3N-1C-SM	white	92190
PD3N-1C-FM	white	92186
Accessory		
IR-PD-Mini	grey	92159
IR-PD3N	grey	92105
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

INDOOR MOTION DETECTORS

LUXOMAT® PD3N-1C-NO-PF-FC



FC



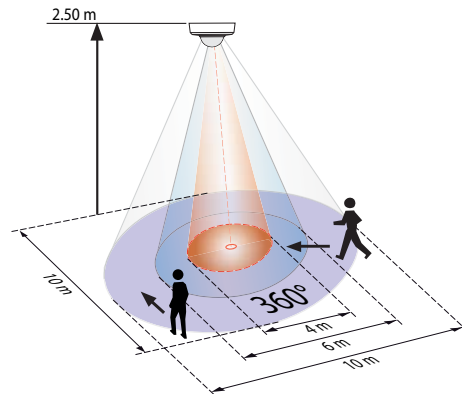
FC

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- < 0.4 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- IP23 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD3N, IR-PD-Mini
- Channel 1 (lighting control, potential-free (dry))**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD3N-1C-NO-PF-FC	white	92576
Accessory		
IR-PD-Mini	grey	92159
IR-PD3N	grey	92105
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD3N-1C-SM/-FC Acoustic

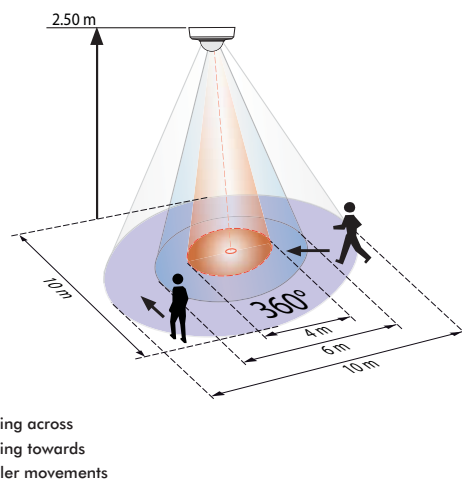


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- IP FC= IP23 SM= IP44 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD3N, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

- Remote control-capable ceiling motion detector with integrated acoustic sensor
- One channel for light switching
- Special optical system for detection of even the smallest movements

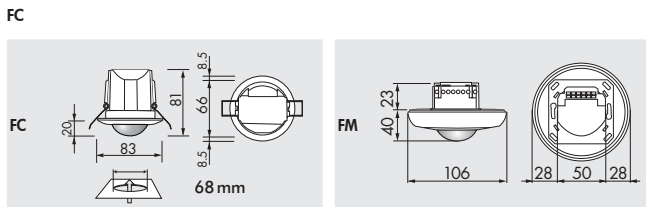


► Wiring diagrams on page 152!

Description	Colour	Part number
PD3N-1C-FC Acoustic	white	92184
PD3N-1C-SM Acoustic	white	92219
Accessory		
IR-PD3N	grey	92105
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

INDOOR MOTION DETECTORS

LUXOMAT® PD3N-2C-FC/-FM

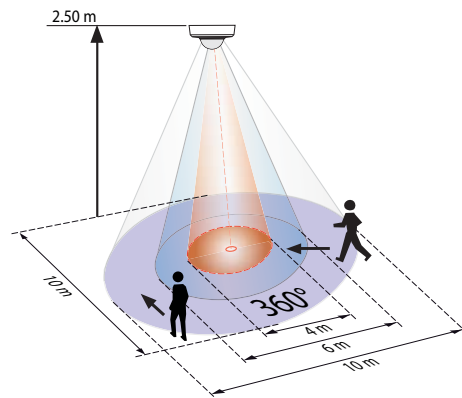


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- IP FC= IP23 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD3N-2C, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux
- Channel 2 (HVAC control potential-free)**
- Dry contact type NO, 3A, 230 V, cos φ = 1
- 5 min - 120 min

i PRODUCT INFORMATION

- Remote control-capable ceiling motion detector
- One channel for light switching
- One additional potential-free (dry) contact for HVAC

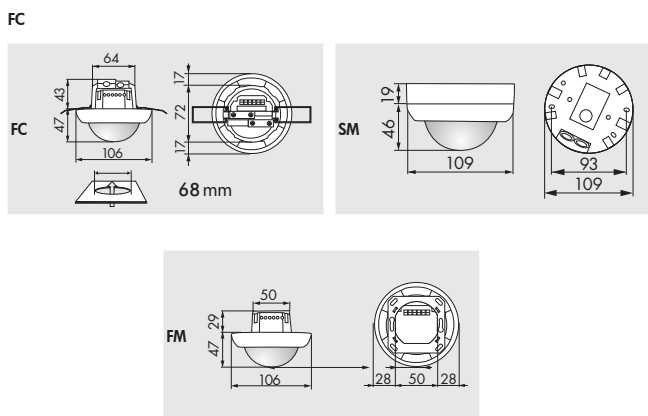


- Walking across
- Walking towards
- Smaller movements

► Wiring diagrams on page 152!

Description	Colour	Part number
PD3N-2C-FC	white	92198
PD3N-2C-FM	white	92188
Accessory		
IR-PD3N-2C	grey	92115
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4N-1C-SM/-FC/-FM

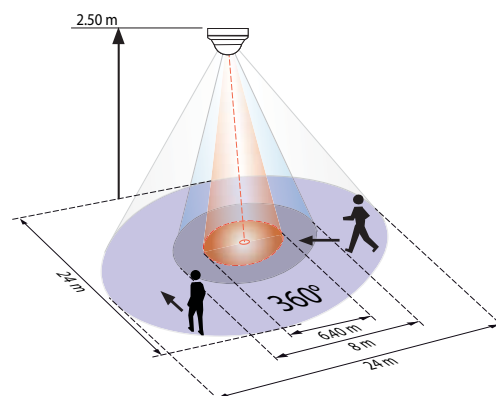


i PRODUCT INFORMATION

- Remote control-capable ceiling motion detector with large detection range
- One channel for light switching
- Special optical system for detection of even the smallest movements

■ TECHNICAL DATA

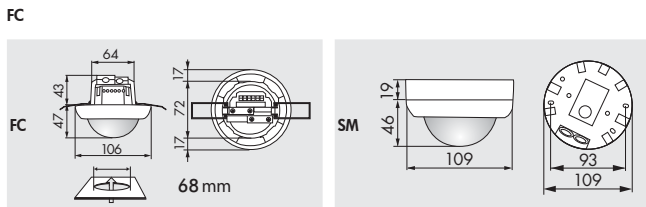
- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m small movements
- IP FC= IP23 SM= IP44 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Mandatory mounting height 2.4 m - 2.6 m
- IR-Adapter for Smartphones, IR-PD3N, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4N-1C-FC	white	92149
PD4N-1C-SM	white	92144
PD4N-1C-FM	white	92151
Accessory		
IR-PD3N	grey	92105
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4N-1C-C-SM/-FC

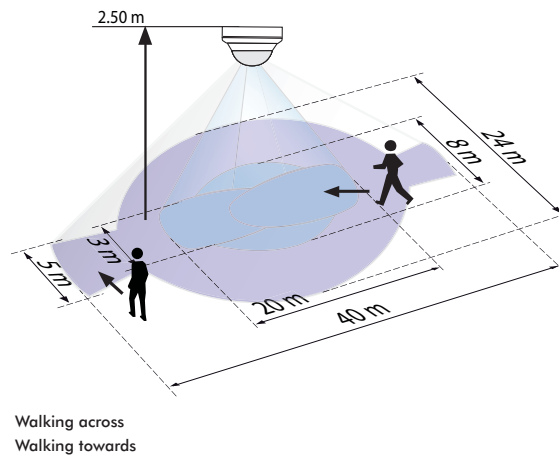


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 40 m across
Ø 20 m towards
- IP FC= IP23 SM= IP44 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD3N, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

- Ceiling motion detector designed for corridors
- One channel for light switching
- Special optical system for detection of even the smallest movements
- Additional functions can be set up using the optional remote control.



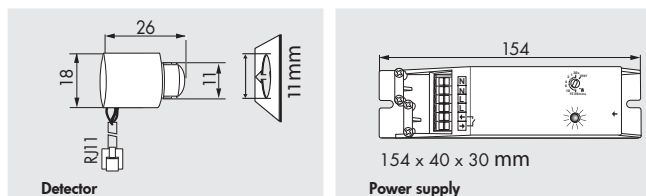
► Wiring diagrams on page 152!

Description	Colour	Part number
PD4N-1C-C-FC	white	92274
PD4N-1C-C-SM	white	92270
Accessory		
IR-PD3N	grey	92105
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wall fixture for PD4-SM	white	92441
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD9-DIGI-FC



„Size comparison“

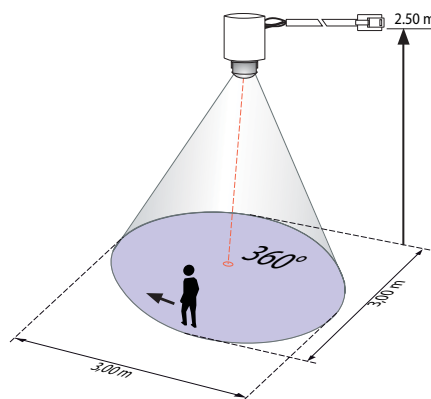


i PRODUCT INFORMATION

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

■ TECHNICAL DATA

- ⚡ 230 V AC +/- 10 % 50 / 60 Hz
- ⏻ approx 1.6 W
- 🌀 360°
- 📏 max. Ø 3 m
- 📦 IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Polycarbonate, UV-resistant
- 📏 45 cm
- Channel 1 (lighting control)**
- 💡 1000 W, cos φ = 1
- ⚡ 500 VA, cos φ = 0.5
- 🕒 30 sec - 30 min, pulse



■ Walking across

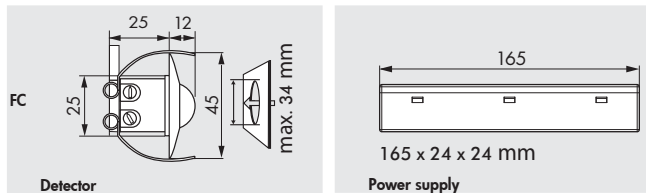
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-DIGI-FC	-	92917

LUXOMAT® PD9-1C-FC



„Size comparison“

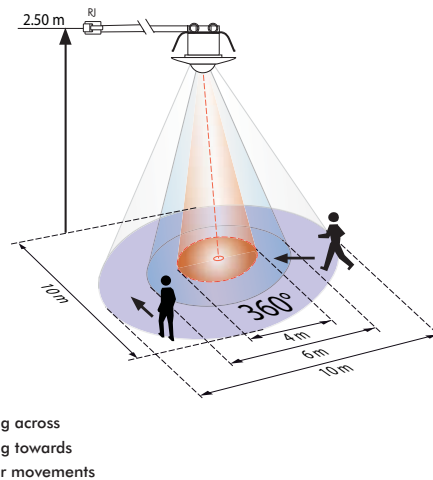


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm
- Channel 1 (lighting control)**
- 1000 W, cos φ = 1
- 500 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

- Mini-motion detector for indoor use
- One channel for light switching
- Manual setting of follow-up time and lux value on sensor part
- Power supply passes through hole in ceiling for sensor detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blinds



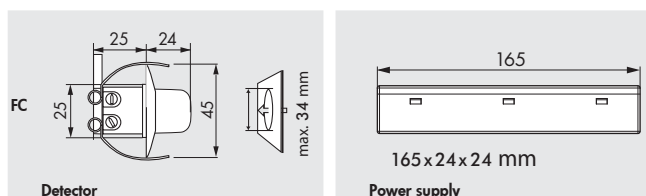
► Wiring diagrams on page 152!

Description	Colour	Part number
PD9-1C-FC	white	92902
Accessory		
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“

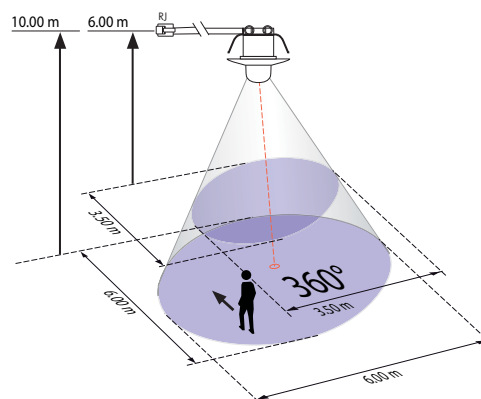


i PRODUCT INFORMATION

- Mini-motion detector designed for high-bay warehouses
- One channel for light switching
- Manual setting of follow-up time and lux value on sensor part
- Power supply passes through hole in ceiling for sensor detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blind

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- < 0.5 W
- 360°
- max. Ø 6 m
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm
- Channel 1 (lighting control)**
- 1000 W, cos φ = 1
500 VA, cos φ = 0.5
- 30 sec - 30 min, pulse
- 10 - 2000 Lux



■ Walking across

▶ Wiring diagrams on page 152!

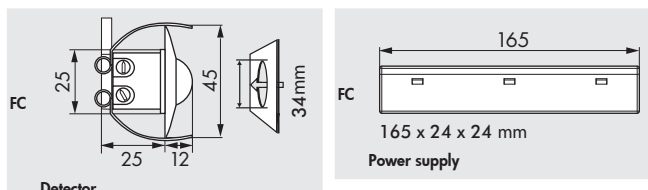
Description	Colour	Part number
PD9-1C-GH-FC	white	92934
Accessory		
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT® PD9-1C-12-48V-FC

INDOOR MOTION DETECTORS



„Size comparison“

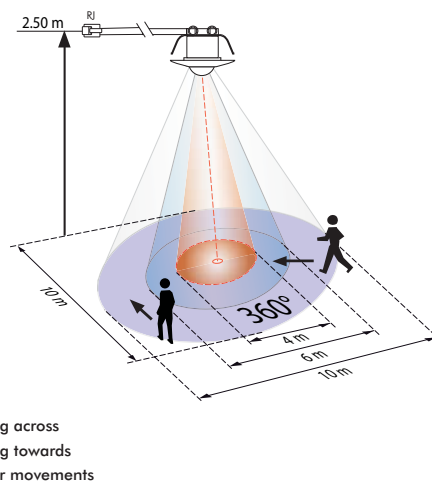


■ TECHNICAL DATA

- 12 - 48 V AC / DC
- < 0.25 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m small movements
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm
- Channel 1 (lighting control potential free)**
- 1000 W, cos φ = 1
- 30 sec - 30 min, pulse
- 10 - 2000 Lux

i PRODUCT INFORMATION

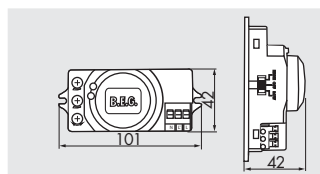
- Mini-motion detector with operating voltage 12-48 V
- One channel for light switching
- Manual setting of follow-up time and lux value on sensor part
- Power supply passes through hole in ceiling for sensor detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blinds



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-1C-12-48V-FC	white	92985
Accessory		
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 follow-up time set via potentiometers

■ TECHNICAL DATA

230 V AC +/- 10 %

approx 1.2 W

360°

max. Ø 0.4 - 16 m

IP20 / Class II

-15 °C to +50 °C

Polycarbonate, UV-resistant

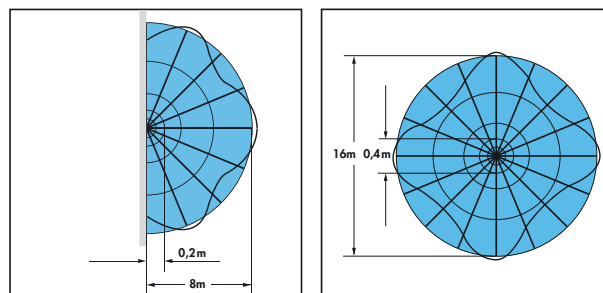
Channel 1 (lighting control)

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



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

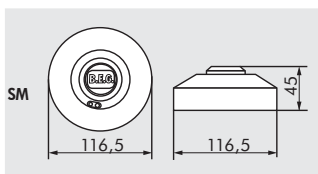
► Wiring diagrams on page 152!

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

LUXOMAT® HF-MD2-SM



SM



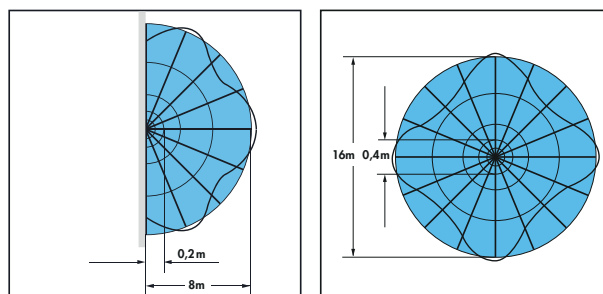
SM

i **PRODUCT INFORMATION**

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

■ **TECHNICAL DATA**

- 230 V AC +/- 10 %
- approx 1.2 W
- 360°
- max. Ø 0.4 - 16 m
- IP20 / Class II
- 15 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 1200 W, cos φ = 1
- 5 sec - 15 min
- 2 - 2000 Lux



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

► Wiring diagrams on page 152!

Description	Colour	Part number
HF-MD2-SM	white	94402
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199

Blinds for B.E.G. motion detectors

■ LUXOMAT® PD3N – 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 – 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

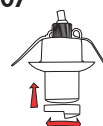


PD9-FC

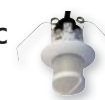


PD9-FC with blinds

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



PD9-GH-FC



PD9-GH-FC with blinds

- 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 of interferences for your lighting installation. For technical reasons, voltage peaks when switching inductive loads (e.g. conventional ballasts), especially in combination with long cables, 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. An efficient suppression of interferences is achieved when the RC suppressor is installed near the source of interference.

Wire basket B.E.G.

■ LUXOMAT® Wire basket BSK – Part no. 92199



Ø 200 x 90 mm

For inside and outdoor use motion and occupancy detectors

■ LUXOMAT® Wire basket BSK – Part no. 92467



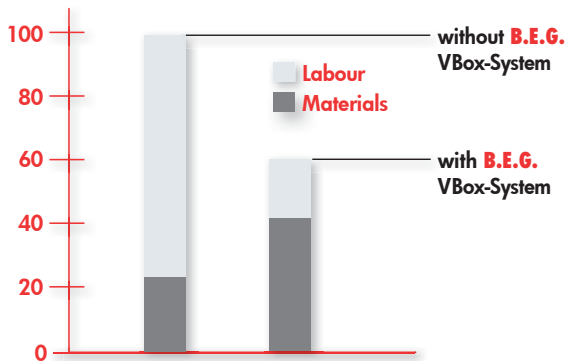
Ø 164 x 143 mm

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

Modules for pre-wired ceiling-mounted motion detectors

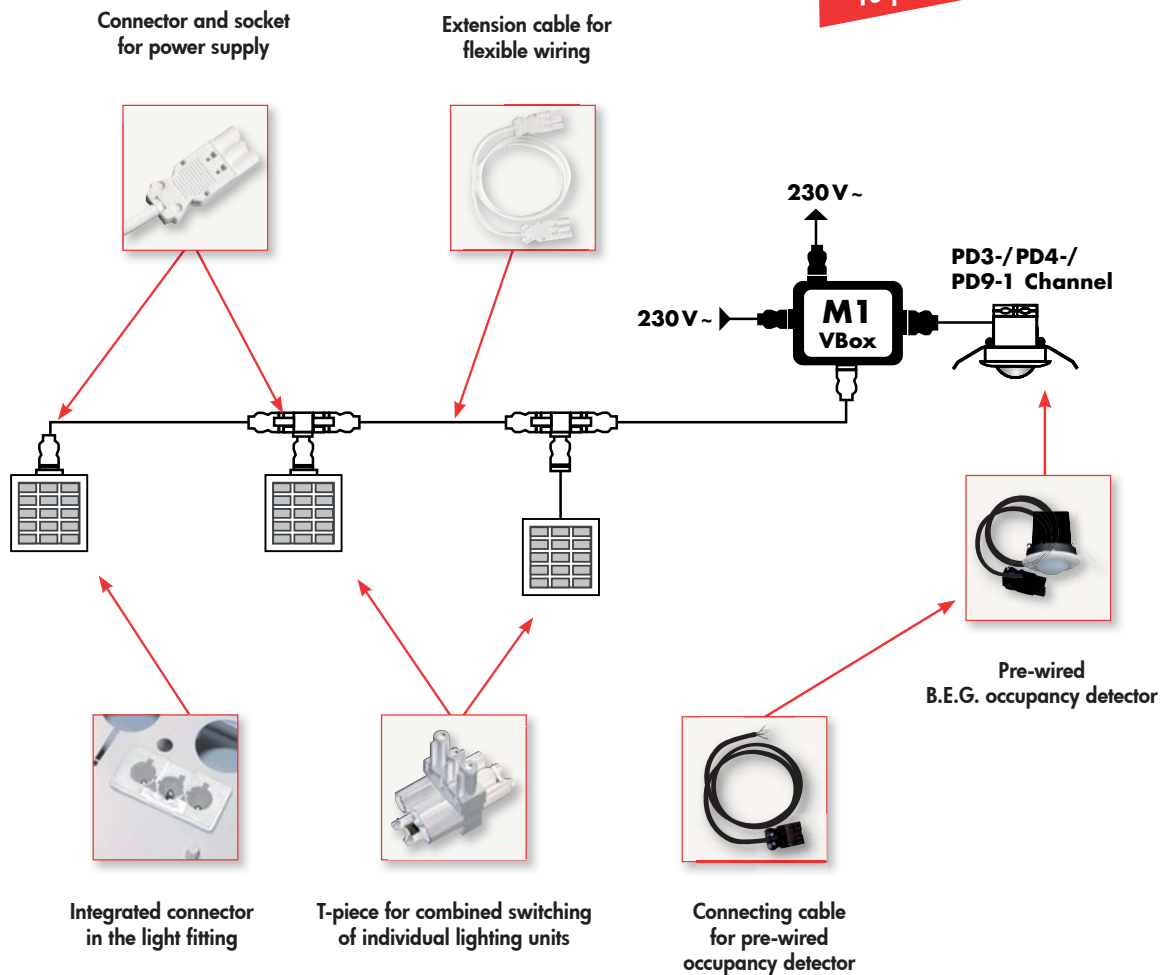


COST COMPARISON [in %]



- 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.

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

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

Switching with 1 or 2-channel Master with daylight evaluation

Occupancy detector	Page				Clip	Daylight evaluation	Motion detector	Remote control-capable	Range	Additional functions
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 24 m	additional security contact
PD4-M-1C-GH	46	92245	–	–	–	▪	▪	▪	Ø 30 m	large mounting height
PD5-M-1C-Clip	47	–	–	–	92315	▪	▪	▪	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-M-1C	48	–	92900 – white	–	–	▪	▪	▪	Ø 10 m	Mini detector
PD9-M-1C-GH	49	–	92923 – white	–	–	▪	▪	▪	Ø 6 m	large mounting height
PD9-M-1C-SDB-IP65	50	–	92912 – white 92913 – silver	–	–	▪	▪	▪	Ø 10 m	Mini detector
PD9-M-1C-SDB-IP65-GH	51	–	92931 – white	–	–	▪	▪	▪	Ø 6 m	large mounting height
PICO-M-1C	52	–	92712	–	–	▪	▪	▪	Ø 10 m	Mini detector
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-2C	58	–	92976	–	–	▪	▪	▪	Ø 10 m	with HVAC channel
PD4-M-2C-DUO	59	92158	92251	92252	–	▪	▪	▪	Ø 24 m	–
PD4-M-2C-DS	60	–	92760	–	–	▪	▪	▪	Ø 24 m	–
PD4-M-TRIO-C-3P	61	–	92746	–	–	▪	▪	▪	Ø 40 m	–
PD4-M-3C-TRIO	62	92740	92745	–	–	▪	▪	▪	Ø 24 m	–




Dimming with 1 or 2-channel Master with daylight evaluation

PD1N-M-DIM	63	–	92876	–	–	▪	▪	▪	7.50 x 7.50 m	Square area
PD2-M-DIM	64	92153	92167	92157	–	▪	▪	▪	Ø 10 m	–
PD4-M-DIM	65	92147	92247	92248	–	▪	▪	▪	Ø 24 m	–
PD4-M-DIM-C	66	92218	92217	–	–	▪	▪	▪	max. Ø 40 m	Corridor detector
PD5-M-DIM-Clip	67	–	–	–	92310	▪	▪	▪	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-M-DIM	68	–	92910 – white	–	–	▪	▪	▪	Ø 10 m	Mini-Melder
PD9-M-DIM-GH	69	–	92924 – white	–	–	▪	▪	▪	Ø 6 m	large mounting height
PD4-M-DIM-HVAC	70	–	92507 – 3A 92547 – 16A	–	–	▪	▪	▪	Ø 24 m	with HVAC channel
PD9-M-DIM-HVAC	71	–	92973	–	–	▪	▪	▪	max. Ø 10 m	with HVAC channel
PD4-M-DUO-DIM	72	92271	92272	92273	–	▪	▪	▪	Ø 24 m	–
PD4-M-TRIO-DIM	73	92730	92735	–	–	▪	▪	▪	Ø 24 m	–

Occupancy detector for DALI/DSI

PD2-M-DALI/DSI	74	92280	92258	–	–	▪	▪	▪	Ø 10 m	–
PD4-M-DALI/DSI	75	92279	92275	–	–	▪	▪	▪	Ø 24 m	–
PD4-M-DALI/DSI-C	76	92530	92328	–	–	▪	▪	▪	max. Ø 40 m	Corridor detector
PD9-M-DALI/DSI	77	–	92920	–	–	▪	▪	▪	Ø 10 m	Mini detector
PD9-M-DALI/DSI-GH	78	–	92938	–	–	▪	▪	▪	Ø 6 m	large mounting height
PD2-M-DALI/DSI-1C	79	–	92486	–	–	▪	▪	▪	Ø 10 m	with HVAC channel
PD2-M-DALI/DSI-HVAC	80	–	92698	–	–	▪	▪	▪	Ø 10 m	with HVAC channel
PD4-M-DALI/DSI-1C	81	–	92488	–	–	▪	▪	▪	Ø 24 m	with HVAC channel
PD4-M-DALI/DSI-HVAC	82	–	92699	–	–	▪	▪	▪	Ø 24 m	with HVAC channel
PD4-M-DUO-DALI/DSI	83	–	92276	–	–	▪	▪	▪	Ø 24 m	–
PD4-M-TRIO-DALI/DSI	84	92750	92755	–	–	▪	▪	▪	Ø 24 m	–
PD4-M-TRIO-2DALI/DSI-1C	85	92751	92756	–	–	▪	▪	▪	Ø 24 m	TRIO detector with additional relay contact
PD4-M-DAA4G	86	92743	92591	–	–	▪	▪	▪	Ø 24 m	addressable DALI detector

Cost-effective extension of detection area with slave devices

Detector	Page				Clip	Daylight evaluation	Motion detection	Remote control-capable	Range	Additional functions
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 30 m	large mounting height
PD4-S-DAA4G	86	92759	92721	–	–	–	▪	–	Ø 24 m	compatible with PD4-M-DAA4G
PD5-S	92	–	–	–	92316	–	▪	–	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-S	93	–	92905	–	–	–	▪	–	Ø 10 m	Mini detector
PD9-S-SDB	50	–	92915	–	–	–	▪	–	Ø 10 m	Mini detector
PD9-S-SDB-GH	51	–	92933	–	–	–	▪	–	Ø 6 m	large mounting height
PD9-S-GH	94	–	92928	–	–	–	▪	–	Ø 6 m	large mounting height
PICO-S	95	–	92700	–	–	–	▪	–	Ø 10 m	–
PD11-S	96	–	92593	–	–	–	▪	–	Ø 9 m	Super flat

11-48V-Occupancy detector

PD2-M-2C-11-48V-3A	97	92154	92164	–	–	▪	▪	▪	Ø 24 m	3 A version
PD2-M-2C-11-48V-RR	97	92305	92306	–	–	▪	▪	▪	Ø 24 m	with reed relay
PD2N-LTMS	98	–	92113	–	–	▪	▪	▪	Ø 10 m	Output of the values as analogue voltage
PD2N-LTMS-RR	99	–	92119	–	–	▪	▪	▪	Ø 10 m	with reed relay
PD4N-LTMS-RR	100	–	92709	–	–	▪	▪	▪	Ø 24 m	with reed relay

Occupancy detectors for KNX BUS for switching or dimming

PD2-KNX	101	92880	92881	92882	–	▪	▪	–	Ø 10 m	For dimming
PD4-KNX	102	92883	92884	92885	–	▪	▪	–	Ø 24 m	For dimming
PD4-KNX-C	103	92886	92887	92888	–	▪	▪	–	max. Ø 40 m	For dimming
PD4-KNX-GH	104	92889	–	–	–	▪	▪	–	Ø 30 m	large mounting height
PD9-KNX	105	–	92890	–	–	▪	▪	–	Ø 10 m	For dimming
PD9-KNX-GH	106	–	92891	–	–	▪	▪	–	Ø 6 m	large mounting height
PD11-KNX-FLAT	107	–	92893	–	–	▪	▪	–	Ø 8 m	For dimming

Occupancy detectors for LON-BUS

PD2N-LON	108	92734	92736	–	–	▪	▪	▪	Ø 10 m	–
PD4N-LON	109	92834	92831	–	–	▪	▪	▪	Ø 24 m	–
PD9N-LON	110	–	92989	–	–	▪	▪	▪	Ø 10 m	Mini detector

General

- Unlike motion detectors, occupancy detectors can also switch off lighting if there is sufficient daylight, because of their advanced mixed light measurement (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 detector.

Master occupancy detector

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

Master 2-channel occupancy detector

- Time delay of 5 min. for follow-up times > 15 min.
- In automatic mode, artificial light is switched off for energy saving when there is sufficient daylight.
- Alarm pulse (for some versions): The detector only triggers when at least 3 movements are recorded within 9 seconds

DIM- and DALI occupancy detector

- The dimming version is a cost-effective and simple way to create a constant light control circuit – settings via remote control.
- With DIM devices, the mounting position is essential for the lighting level – the position must be such that only artificial light is detected which is controlled by the DIM detector itself.
- 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 push button. Lighting control takes place independently.
- Settings can be made manually or by remote control for both channels together

DUO occupancy detector

- Common presence detection of people in both lighting areas. The detector's 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 brightness switching values.
- Two switching channels with independent light measurement and 1 push button per channel.

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 (blackboard lighting) or to control HVAC units.

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: The corridor window is essential for the mounting orientation of the corridor detector. If reattached wrongly, the optimal range cannot be achieved.
- For angles of $\pm 80^\circ$ to this axis, the standard PD4 range applies

PD9 occupancy detector

- The PD9 detector with extremely small sensor head and the detector's power supply have especially been developed for the use in lights and for being installed in suspended ceilings
- Because of the smaller size of the lens, the 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 in relation to mounting height

PD1N occupancy detector

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

PD4 occupancy detector

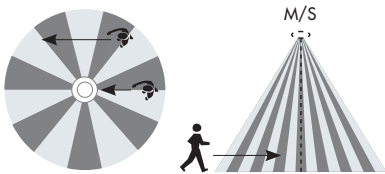
Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	r=2.60 m	r=8.50 m	r=3.20 m
2.50 m	r=3.20 m	r=12.00 m	r=4.00 m
3.00 m	r=3.80 m	r=14.50 m	r=4.80 m
3.50 m	r=4.50 m	r=17.00 m	r=5.50 m
4.00 m	–	r=19.50 m	r=6.80 m
4.50 m	–	r=22.00 m	r=7.20 m
5.00 m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

PD11 occupancy detector

Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	r=1.20 m	r=3.60 m	r=2.40 m
2.50 m	r=1.50 m	r=4.50 m	r=3.00 m
3.00 m	r=1.80 m	r=5.40 m	r=3.60 m
3.50 m	r=2.10 m	r=6.30 m	r=4.20 m
4.00 m	r=2.40 m	r=7.20 m	r=4.80 m
4.50 m	r=2.70 m	r=8.10 m	r=5.40 m
5.00 m	r=3.00 m	r=9.00 m	r=6.00 m

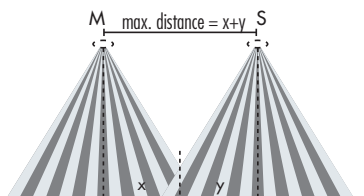
∅=diameter
r=radius

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.

PD2- and PD9 occupancy detector

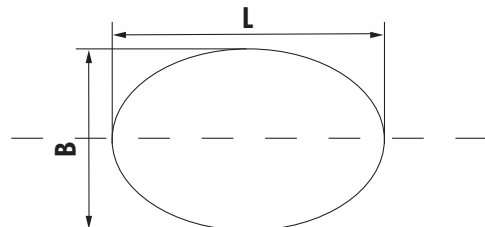
Range (circular detection) T=18°C			
Mounting height	Seated activity	Walking across	Walking towards
2.00 m	r=1.60 m	r=4.00 m	r=2.50 m
2.50 m	r=2.00 m	r=5.00 m	r=3.00 m
3.00 m	r=2.40 m	r=6.00 m	r=3.70 m
3.50 m	–	r=7.00 m	r=4.30 m
4.00 m	–	r=8.00 m	r=4.80 m
4.50 m	–	r=9.00 m	r=5.40 m
5.00 m	–	r=10.00 m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

PD9-GH occupancy detector

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

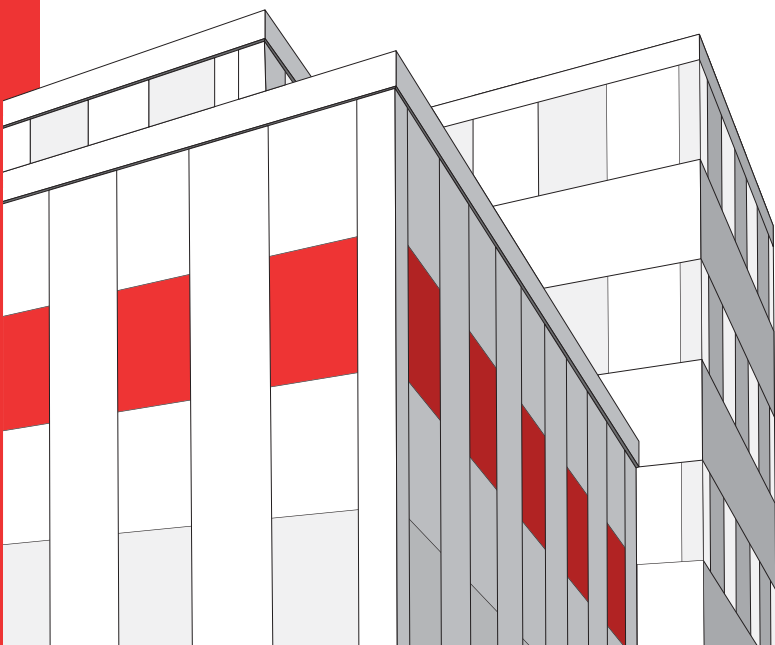
PD4-M-1C-GH occupancy detector

Range (oval detection) T=17°C		
Mounting height	in longitudinal axis (L)	90° to longitudinal axis (B)
2.00 m	10.00 m	7.00 m
2.50 m	12.50 m	9.00 m
3.00 m	15.00 m	10.00 m
3.50 m	18.00 m	12.00 m
4.00 m	21.00 m	14.00 m
4.50 m	24.00 m	16.00 m
5.00 m	26.00 m	18.00 m
6.00 m	26.00 m	18.00 m
7.00 m	28.00 m	19.00 m
8.00 m	28.00 m	19.00 m
9.00 - 14.00 m	30.00 m	19.00 m

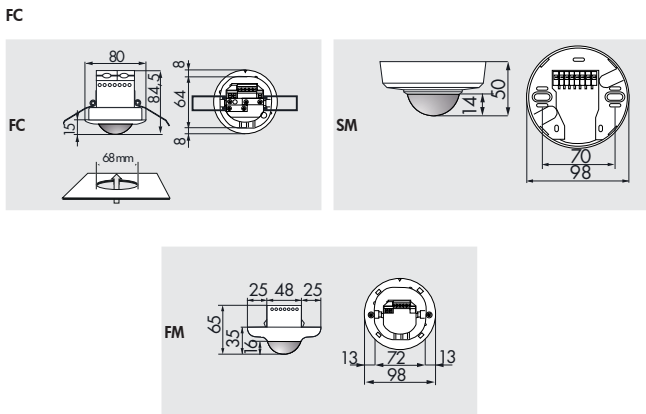


New functions with the 5.0 application

- Well-arranged ETS user-interface
- The following settings can be modified during operation using the optional remote control or via communication objects (visualisation):
 - Test mode
 - LEDs on/off
 - Change follow up time
 - Lux value
 - Switch between automatic and semi-automatic mode
 - Activation / deactivation of burn-in time (1 to 100 h) for fluorescent lamps
- Variable safety pause after switch-off of the lights (during this time, the detector will not react on movement). The duration can be defined between 1 to 60 seconds.
- Possibility to block a connected pushbutton when the light switches off automatically due to sufficient ambient light. It is not possible to switch on the light manually.
- Intelligent central-off function
- Corridor function
- Extra HVAC channel
- The switching operation of the detector, normally 1 bit, can be changed to 1 byte or 1 bit and 1 byte
- The output parameters can be used to activate or deactivate scenes



LUXOMAT® PD2-M-1C-SM/-FC/-FM

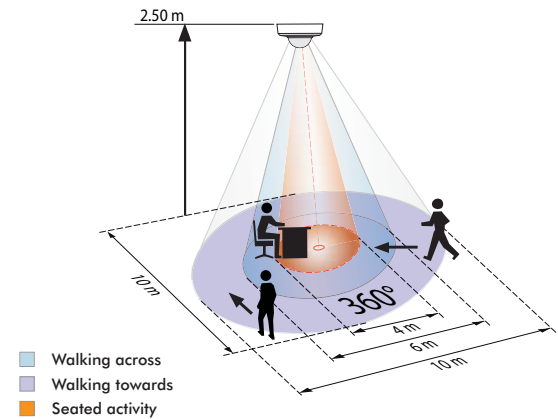


i PRODUCT INFORMATION

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

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.6 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1**
(lighting control potential free)
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

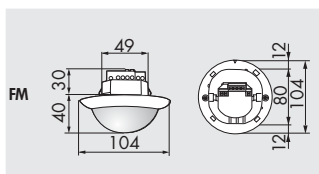
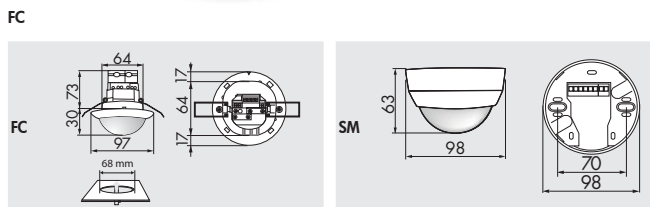


▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2-M-1C-FC	white	92565
PD2-M-1C-SM	white	92550
PD2-M-1C-FM	white	92555
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-1C-SM/-FC/-FM

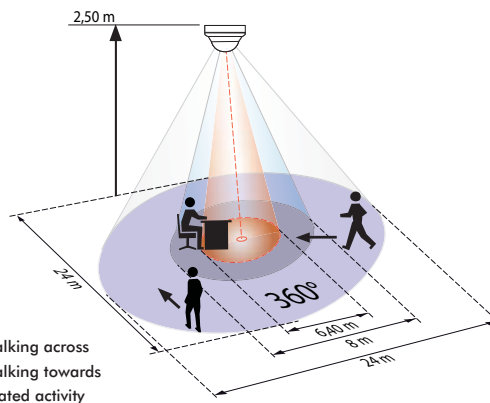
■ TECHNICAL DATA



- 110 - 240 V AC 50 / 60 Hz
- approx 0.6 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 (lighting control potential free)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

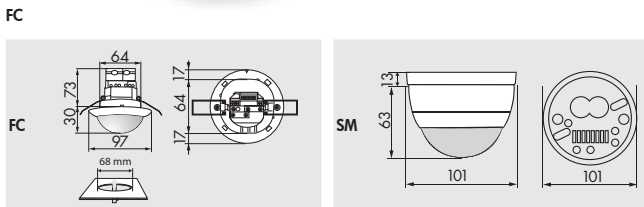
- Occupancy detector with extended detection area
- One potential-free (dry) contact
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-1C-FC	white	92585
PD4-M-1C-SM	white	92580
PD4-M-1C-FM	white	92575
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-SM	white	92375

LUXOMAT® PD4-M-1C-C-SM/-FC

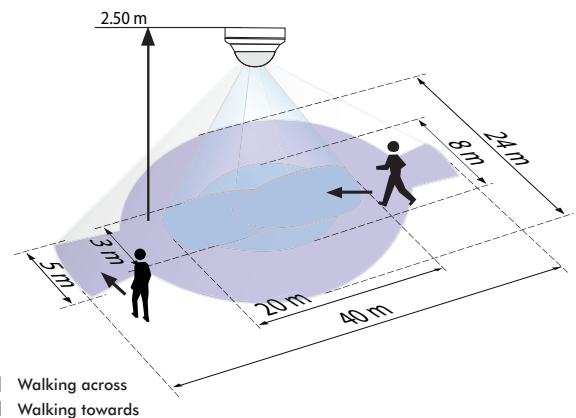


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.7 W
- 360°
- Ø 40 m across
Ø 20 m towards
- Mandatory mounting height 2.4 m - 2.6 m
- IP □ □ FC= IP20 SM= IP54 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 (lighting control potential free)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- dry contact/NO – with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

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

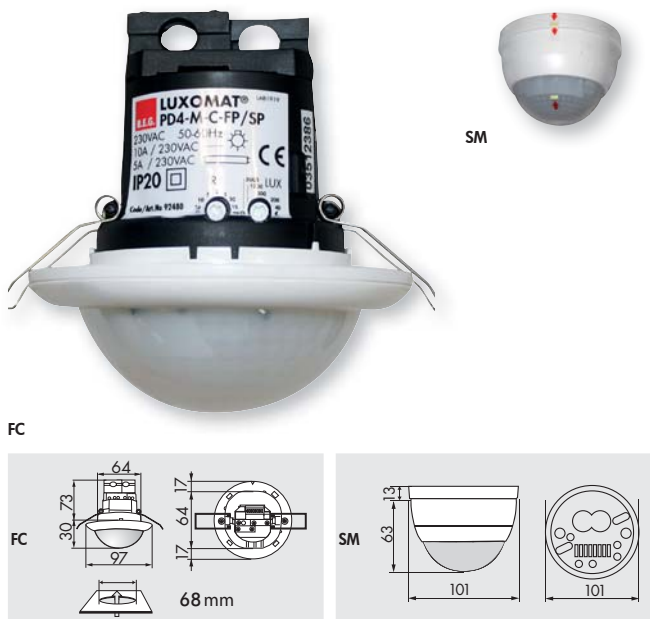


▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-1C-C-FC	white	92586
PD4-M-1C-C-SM	white	92587
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM-Socket (IP65) for SM-devices	white	92376

LUXOMAT® PD4-M-1C-C-PS-SM/-FC

■ TECHNICAL DATA

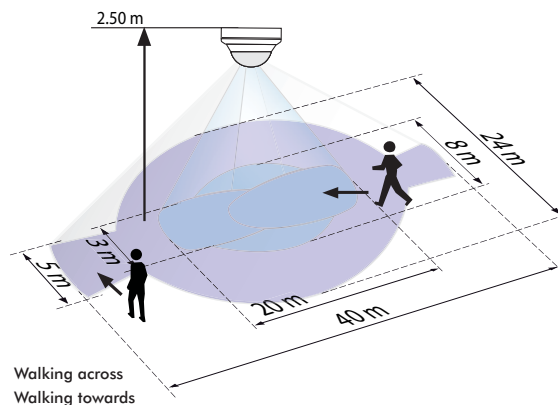


- 110 - 240 V AC 50 / 60 Hz
- approx 0.7 W
- 360°
- Ø 40 m across
Ø 20 m towards
- Mandatory mounting height 2.4 m - 2.6 m
- FC= IP20 SM= IP54 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
NO contact with tungsten pre-make contact
additional NC-safety contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

CEILING-MOUNTED OCCUPANCY DETECTORS

i PRODUCT INFORMATION

- Occupancy detector with NO contact and safety circuit by NC contact
- Guarantees illumination even if sensor fails
- Designed for corridors
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 Lux



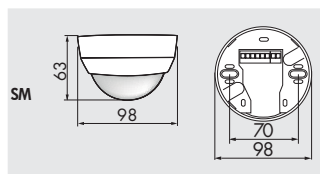
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-1C-C-PS-FC	white	92480
PD4-M-1C-C-PS-SM	white	92485
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM-Socket (IP65) for SM-devices	white	92376












LUXOMAT® PD4-M-1C-GH-SM



SM

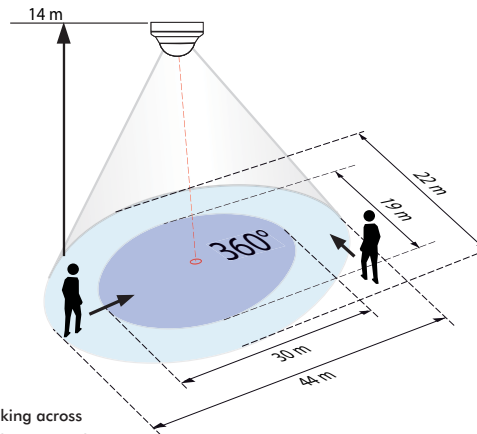




■ TECHNICAL DATA

-  110 - 240 V AC 50 / 60 Hz
-  approx 0.8 W
-  360° oval
-  max. 30 m towards
max. 44 m across
-  IP20 / Class II
-  -25 °C to +50 °C
-  Polycarbonate, UV-resistant
-  IR-Adapter for Smartphones, IR-PD-1C-E, IR-PD-LD
- Channel 1 (lighting control potential free)**
-  2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
dry contact/NO – with tungsten pre-make contact
-  15 sec - 30 min, pulse
-  10 - 2000 Lux
Mixed light measuring

i PRODUCT INFORMATION

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



-  Walking across
-  Walking towards

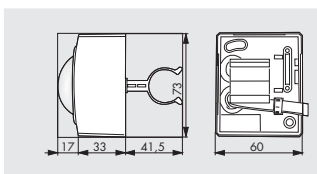
- ! **▶ Wiring diagrams on page 152!**
▶ Application example 20 for high-bay warehouses

Description	Colour	Part number
PD4-M-1C-GH-SM	white	92245
Accessory		
IR-PD-LD	grey	92479
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-SM	white	92375

LUXOMAT® PD5-M-1C-Clip



Clip

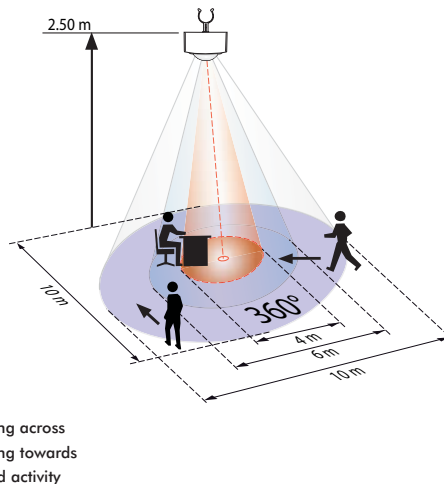


■ TECHNICAL DATA

- 230 V AC +/- 10 % 50 / 60 Hz
- approx 1.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 90 cm
- IR-Adapter for Smartphones, IR-PD, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Occupancy detector for use with T5 and T8 fluorescent lamps
- Version as Master device
- One channel for light switching
- Manual switching via push-button possible
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control.



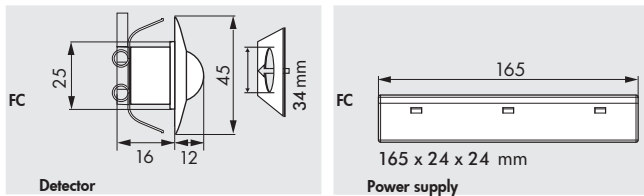
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD5-M-1C-Clip	white	92315
Accessory		
IR-PD	grey	92160
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726

LUXOMAT® PD9-M-1C-FC



„Size comparison“

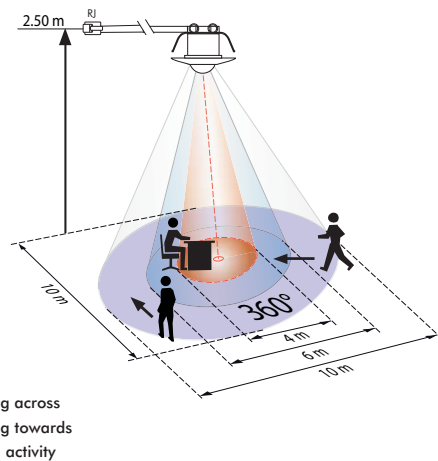


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm (screened)
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact**
- 5 min - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

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



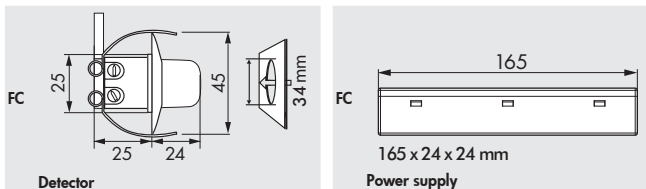
! **Wiring diagrams on page 152!**

Description	Colour	Part number
PD9-M-1C-FC	white	92900
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
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“

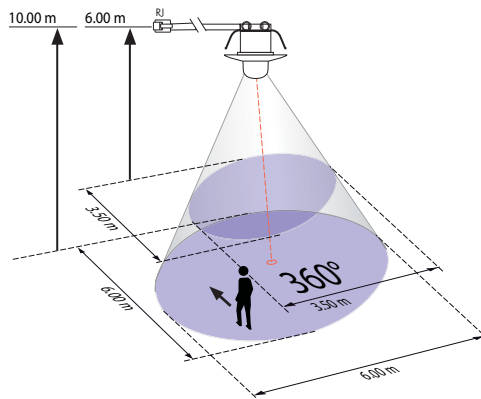


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- max. Ø 6 m across
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm (screened)
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 5 min - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Mini-occupancy detector, Master device version, designed for high-bay warehouses
- One channel for light switching
- Detection area can be extended with Slave devices
- Manual switching via push-button possible
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Simple operation with remote control (required)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blind
- Factory settings 10 min and 500 Lux
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**



■ Walking across

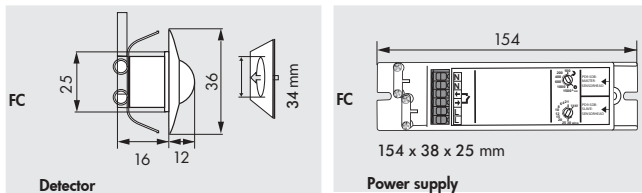
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-1C-GH-FC	white	92923
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
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“

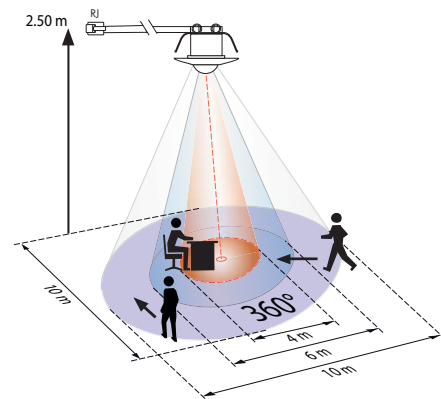


i PRODUCT INFORMATION

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

■ TECHNICAL DATA

- 230 V AC +/- 10 % 50 / 60 Hz
- 2.2 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP65 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 350 cm
- IR-Adapter for Smartphones, IR-PD9, IR-PD-Mini
- Channel 1 (lighting control potential free)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring



- Walking across
- Walking towards
- Seated activity

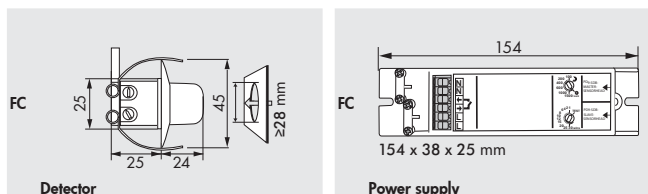
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-1C-SDB-IP65-FC	white	92912
PD9-M-1C-SDB-IP65-FC	white	92913
Accessory		
IR-PD9	grey	92201
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
PD9-S-SDB-FC	white	92915

LUXOMAT® PD9-M-1C-SDB-IP65-GH-FC



„Size comparison“

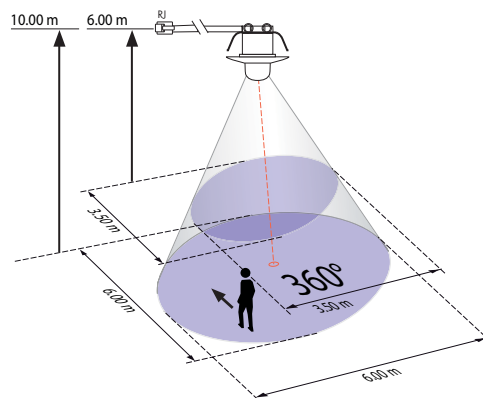


■ TECHNICAL DATA

- 230 V AC +/- 10 % 50 Hz
- 2.2 W
- 360°
- max. Ø 6 m across
- IP65 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 350 cm
- IR-Adapter for Smartphones, IR-PD9, IR-PD-LD, IR-PD-Mini
- Channel 1 (lighting control potential free)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Mini-occupancy detector designed for high-humidity locations with high ceilings
- One potential-free (dry) contact
- Version as Master device
- One additional Slave device sensor can be directly connected
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes blind
- Additional functions can be set up using the optional remote control.
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**



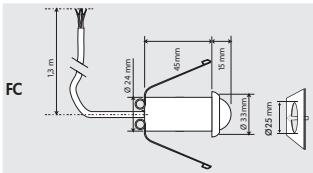
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-1C-SDB-IP65-GH-FC	white	92931
Accessory		
IR-PD-Mini	grey	92159
IR-PD-LD	grey	92479
IR-PD9	grey	92201
IR-Adapter for Smartphones	black	92726
PD9-S-SDB-GH-FC	white	92933

LUXOMAT® PICO-M-1C-FC



„Size comparison“

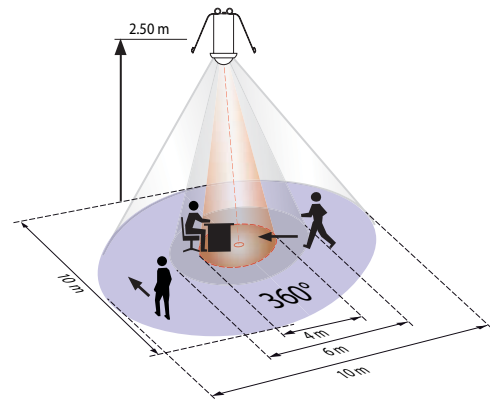


i PRODUCT INFORMATION

- Mini-occupancy detector, no additional power unit, suitable for high-humidity locations
- One channel for light switching
- Simple operation with remote control (required)
- Version as Master device
- Detection area can be extended with Slave devices
- Mounting with clip ring (included) for lights or with spring clips for suspended ceilings
- Factory settings 10 min and 500 Lux

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.3 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP65 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 150 cm
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 5 min - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

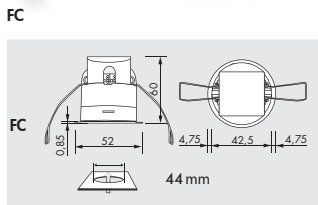


- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PICO-M-1C-FC	white	92712
Accessory		
IR-PD-1C (necessary)	grey	92520
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726

LUXOMAT® PD11-M-1C-FLAT-FC

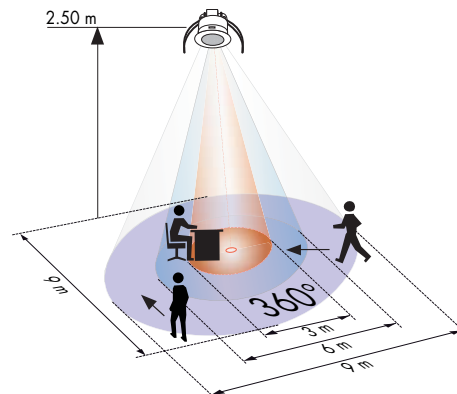


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.3 W
- 360°
- Ø 9 m across
- Ø 6 m towards
- Ø 3 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 5 min - 30 min, pulse, via IR remote control
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Particularly flat occupancy detector as master version without additional power supply
- Visible portion when built into ceiling: H 0.85 mm
- One channel for light switching
- Simple operation with remote control (required)
- Version as Master device
- Detection area can be extended with Slave devices
- Spring clips for quick and easy installation in suspended ceilings
- Factory settings 10 min and 500 Lux



- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD11-M-1C-FLAT-FC	white	92583
Accessory		
IR-PD-1C (necessary)	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726

LUXOMAT® PD1N-M-2C-SM/-FC/-FM

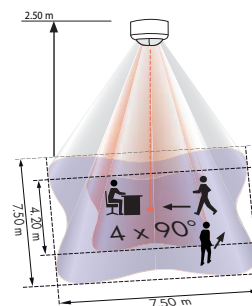


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 4 x 90° nearly square size
7.5 m x 7.5 m across
4.5 m x 4.5 m towards
4.2 m x 4.2 m seated
- IP FC= IP20 SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-2C, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Channel 2 (HVAC control potential free)**
- Dry contact type NO, 3A, 230 V, cos φ = 1
- 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring

i PRODUCT INFORMATION

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



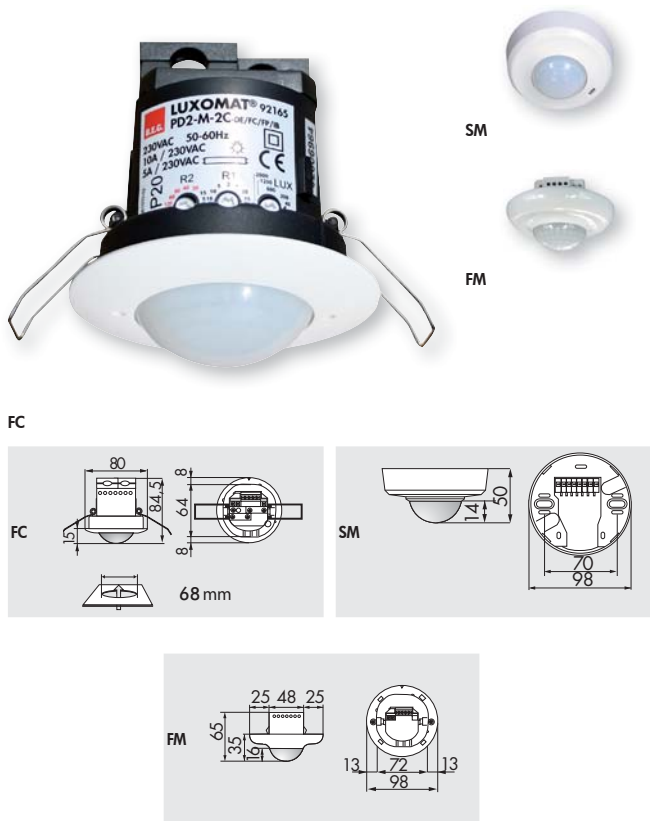
- Walking across
- Walking towards and seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD1N-M-2C-FC	white	92874
PD1N-M-2C-SM	white	92877
PD1N-M-2C-FM	white	92870
Accessory		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
SM-Socket IP54 for PD1N-FM	white	92121

LUXOMAT® PD2-M-2C-SM/-FC/-FM

■ TECHNICAL DATA

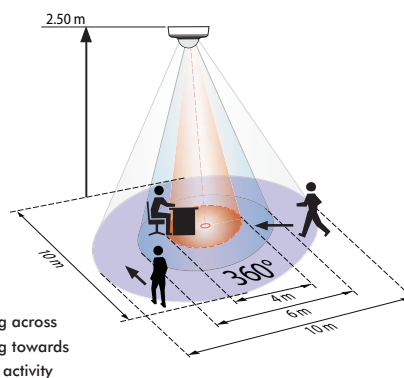


- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-2C, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Channel 2 (HVAC control potential free)**
- Dry contact type NO, 3A, 230 V, cos φ = 1
- 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring

CEILING-MOUNTED OCCUPANCY DETECTORS

i PRODUCT INFORMATION

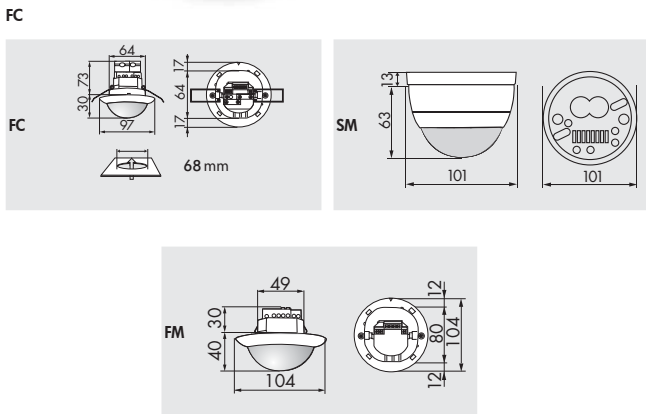
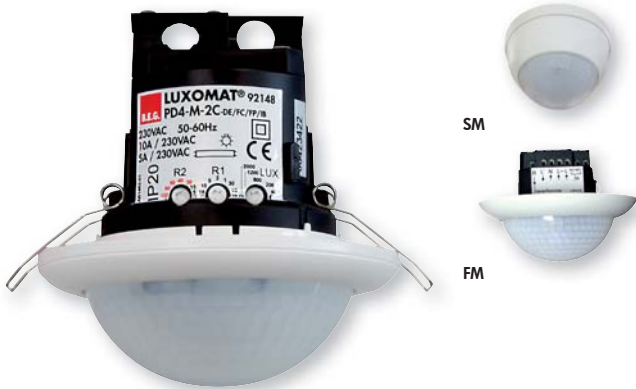
- Occupancy detector with circular detection area
- One channel for light switching
- One additional potential-free (dry) contact for HVAC
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching via push-button possible
- Alarm pulse: the detector triggers only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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2-M-2C-FC	white	92165
PD2-M-2C-SM	white	92150
PD2-M-2C-FM	white	92155
Accessory		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-2C-SM/-FC/-FM

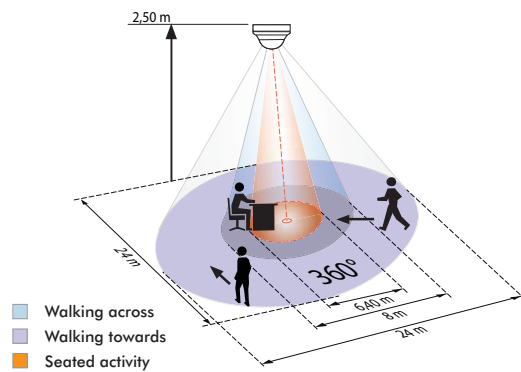


i PRODUCT INFORMATION

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

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP FC= IP20 SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-2C, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Channel 2 (HVAC control potential free)**
- Dry contact type NO 3A, 230 V, cos φ = 1
- 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring

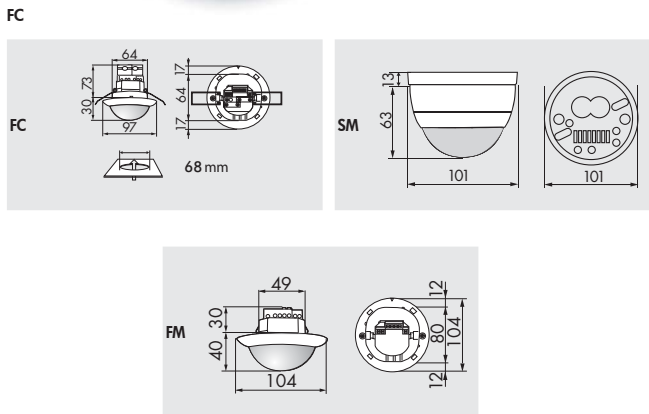


► Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-2C-FC	white	92148
PD4-M-2C-SM	white	92140
PD4-M-2C-FM	white	92255
Accessory		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP65 for PD4-SM	white	92376

LUXOMAT® PD4-M-2C-C-SM/-FC/-FM

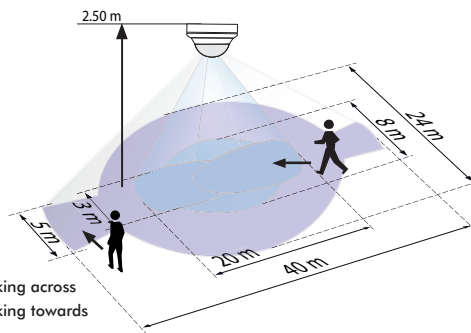
■ TECHNICAL DATA



- 110 - 240 V AC 50 / 60 Hz
- < 1 W
- 360°
- Ø 40 m across
Ø 20 m towards
- IP FC= IP20 SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Mandatory mounting height 2.4 m - 2.6 m
- IR-Adapter for Smartphones, IR-PD-2C, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Channel 2 (HVAC control potential free)**
- Dry contact type NO, 3A, 230 V, cos φ = 1
- 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring

i PRODUCT INFORMATION

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



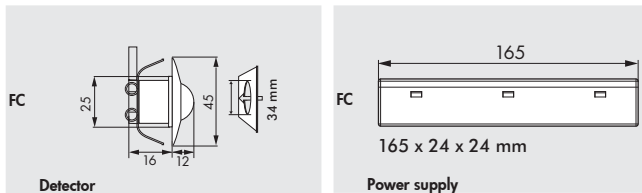
▶ Wiring diagrams on page 152!

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		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall fixture for PD4-SM	white	92441
SM-Socket for SM-devices	white	92376

LUXOMAT® PD9-M-2C



„Size comparison“

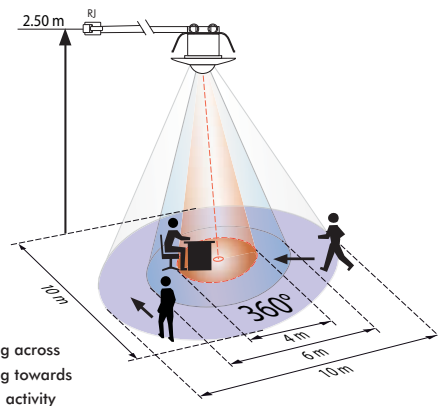


i PRODUCT INFORMATION

- Mini occupancy detector with additional potential-free (dry) contact
- Detection area can be extended with Slave devices
- Simple operation with remote control (required)
- Manual switching via push-button possible
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blinds
- Factory settings 5 min and 300 Lux (15 min HVAC)

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- < 1 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm (screened)
- IR-Adapter for Smartphones, IR-PD-2C, IR-PD-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Channel 2 (HVAC control potential free)**
- Dry contact type NO 3A, 230 V, cos φ = 1
- 5 min - 120 min, pulse
- Mixed light measuring

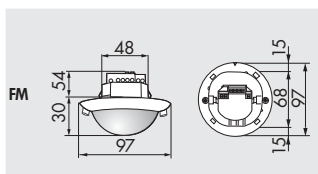
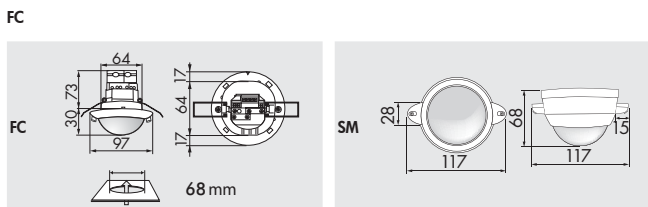


- Walking across
- Walking towards
- Seated activity

► Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-2C-FC	white	92976
Accessory		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
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

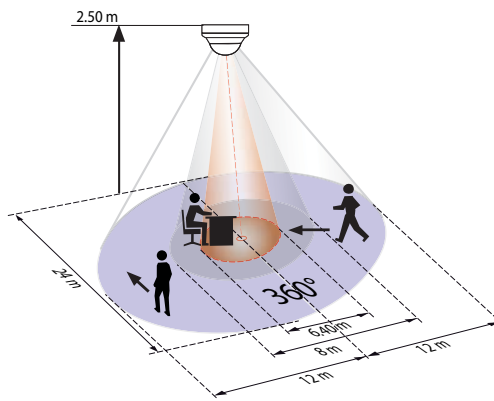


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP FC= IP20 SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DUO, IR-PD-Mini
- Channel 1 and Channel 2 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed or daylight measuring

i PRODUCT INFORMATION

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

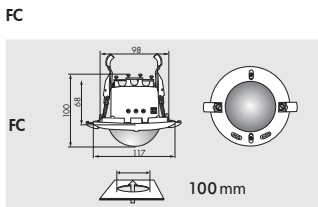


- Walking across
- Walking towards
- Seated activity

► Wiring diagrams on page 152!

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		
IR-PD-DUO	grey	92092
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-2C-DS-FC

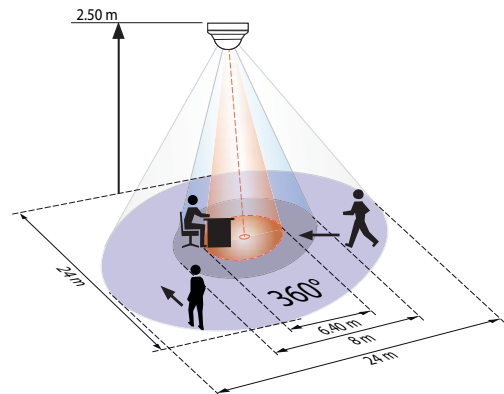


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- < 1.5 W
- 360°
- Ø 24 m across
Ø 8 m towards
Ø 6.4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 and Channel 2 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
NO contact with tungsten pre-make contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

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



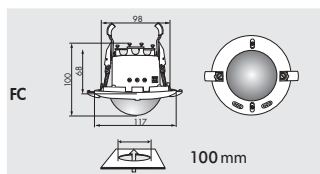
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-2C-DS-FC	white	92760
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-TRIO-C-3P-FC



FC



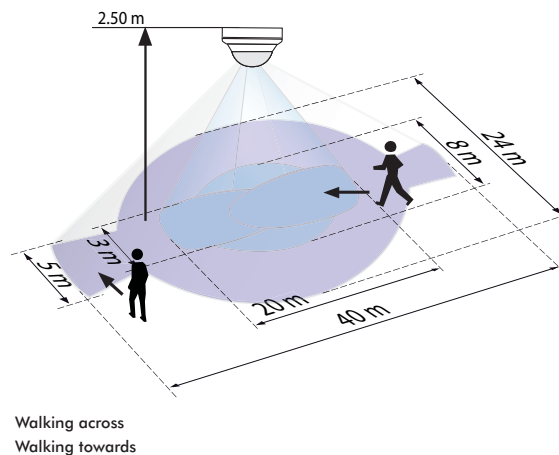
FC

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 40 m across
Ø 20 m towards
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Mandatory mounting height 2.4 m - 2.6 m
- IR-Adapter for Smartphones, IR-PD-1C, IR-PD-1C-E, IR-PD-Mini
- Channel 1 and Channel 2 (lighting control potential free)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
2x dry contact/NO
with tungsten pre-make contact
additional NC-safety contact
- 15 sec - 16 min, pulse
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Occupancy detector for switching loads connected to different phases
- Switching channels close if operating voltage fails, the illumination is kept on as long as both phases are supplied with power
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching via two push-buttons possible
- Additional functions can be set up using the optional remote control.



- Walking across
- Walking towards

▶ Wiring diagrams on page 152!



Description	Colour	Part number
PD4-M-TRIO-C-3P-FC	white	92746
Accessory		
IR-PD-1C	grey	92520
IR-PD-Mini	grey	92159
IR-PD-1C-E	grey	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-3C-TRIO-SM/-FC

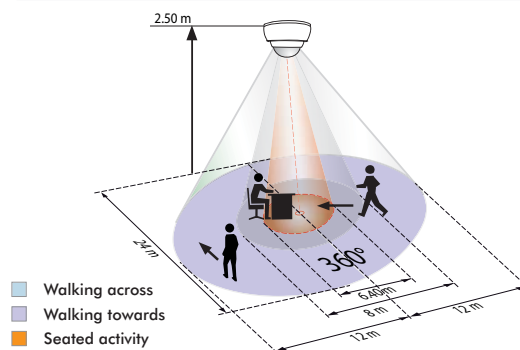


i PRODUCT INFORMATION

- Occupancy detector particularly for classrooms and training classrooms
- Two contacts, one of them dry, for two groups of light
- One dry contact for blackboard illumination or HVAC
- One common detection area
- Two independent, movable light sensors
- Manual switching via two push-buttons possible
- Version as Master device
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control.

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 24 m across / Ø 8 m towards / Ø 6.4 m seated
- IP FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD4-TRIO-3C
- Channel 1 (lighting control)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 90 min
- 10 - 2000 Lux
- Channel 2 (lighting control potential free)**
- 3000 W, cos φ = 1
- 1500 VA cos φ = 0.5
- 1 min - 90 min
- 10 - 2000 Lux
- Channel 3 (lighting control or HVAC control, potential free)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 1 min - 90 min
- Mixed light measuring



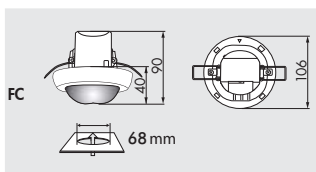
► Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-3C-TRIO-FC	white	92745
PD4-M-3C-TRIO-SM	white	92740
Accessory		
IR-PD4-TRIO-3C	grey	92102
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD1N-M-DIM-FC



FC



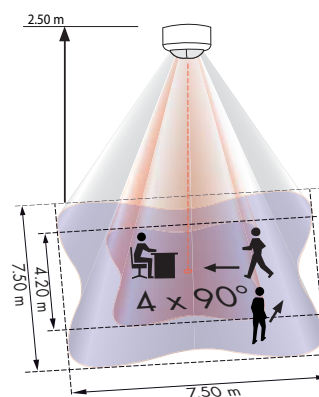
FC

i **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
- Orientation light function
- Manual switching and dimming via push button possible
- Version as Master device
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control.

■ **TECHNICAL DATA**

- 110 - 240 V AC 50 / 60 Hz
- approx 0.3 W
- 4 x 90° nearly square size
7.5 m x 7.5 m across
4.5 m x 4.5 m towards
4.2 m x 4.2 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDim
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
Mixed light measuring

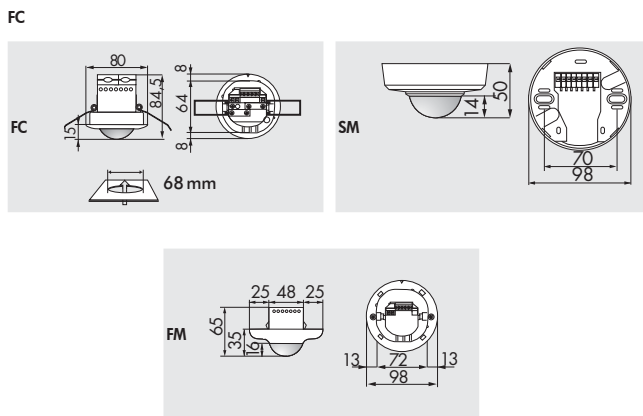


- Walking across
- Walking towards and seated activity

► Wiring diagrams on page 152!

Description	Colour	Part number
PD1N-M-DIM-FC	white	92876
Accessory		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD2-M-DIM-SM/-FC/-FM

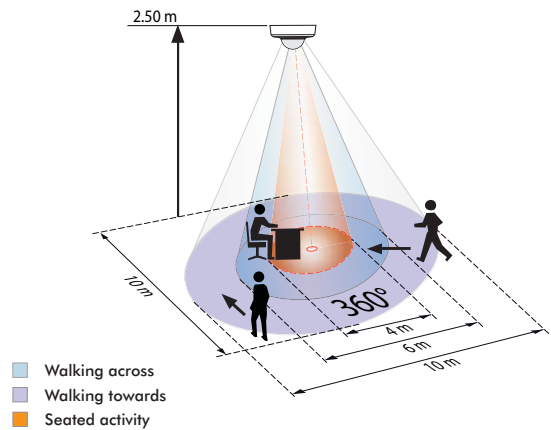


i PRODUCT INFORMATION

- Occupancy detector for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- One Channel for light dimming and switching
- Orientation light function
- Manual switching and dimming via push button possible
- Version as Master device
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control

■ TECHNICAL DATA

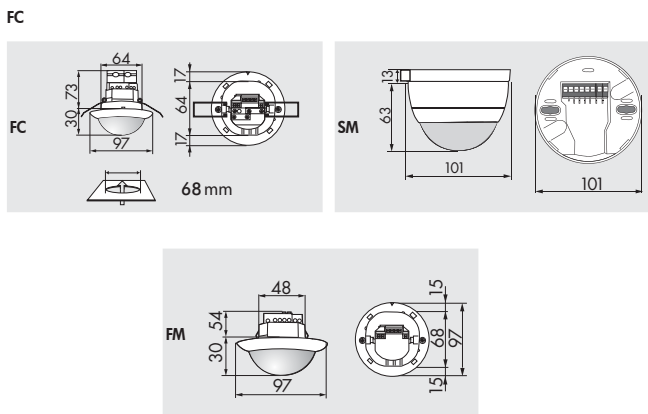
- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
Ø 6 m towards
Ø 4 m seated
- IP FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDim
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2-M-DIM-FC	white	92167
PD2-M-DIM-SM	white	92153
PD2-M-DIM-FM	white	92157
Accessory		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-DIM-SM/-FC/-FM

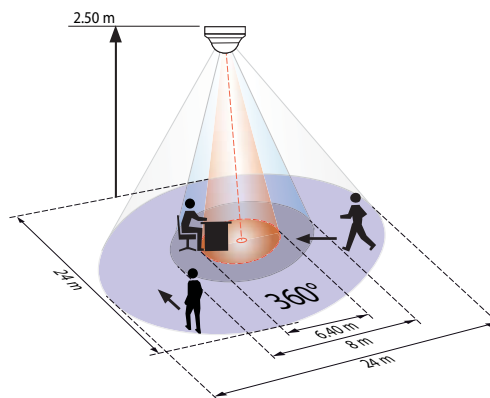


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP FC= IP20 SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDim
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring

i PRODUCT INFORMATION

- Occupancy detector with extended detection area, daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- Orientation light function
- One Channel for light dimming and switching
- Manual switching and dimming via push button possible
- Version as Master device
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control

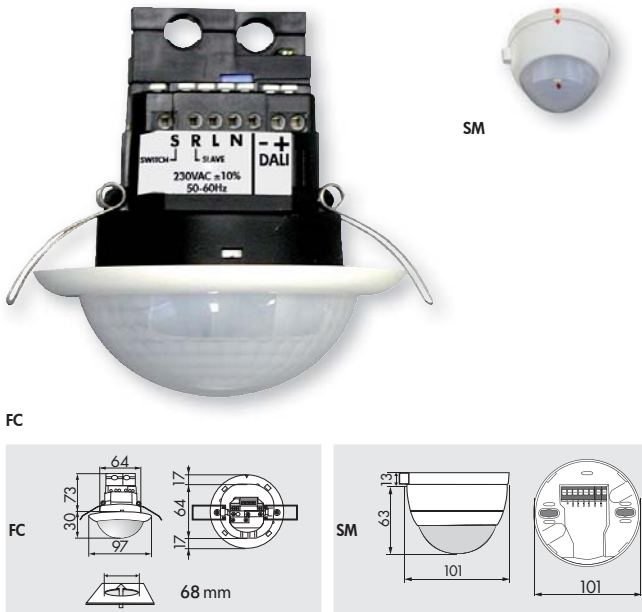


- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-DIM-FC	white	92247
PD4-M-DIM-SM	white	92147
PD4-M-DIM-FM	white	92248
Accessory		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-DIM-C-SM/-FC



■ TECHNICAL DATA

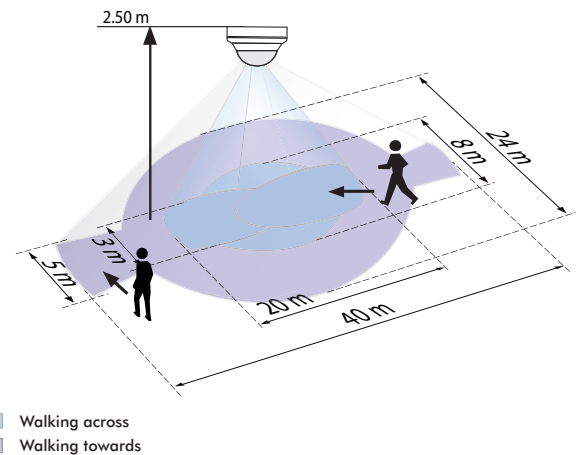
- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 40 m across
Ø 20 m towards
- FC= IP20 SM= IP54 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDim
- Mandatory mounting height 2.4 m - 2.6 m

Channel 1 (lighting control)

- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring

i PRODUCT INFORMATION

- Occupancy detector designed for corridors, daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- Orientation light function
- One Channel for light dimming and switching
- Manual switching and dimming via push button possible
- Version as Master device
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control



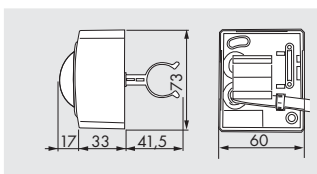
! **Wiring diagrams on page 152!**

Description	Colour	Part number
PD4-M-DIM-C-FC	white	92217
PD4-M-DIM-C-SM	white	92218
Accessory		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall fixture for PD4-SM	white	92441

LUXOMAT® PD5-M-DIM-Clip



Clip

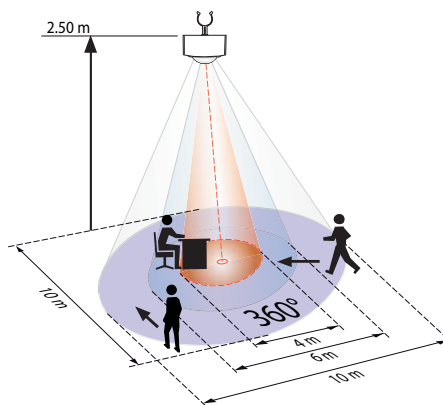


■ TECHNICAL DATA

- 230 V AC +/- 10 % 50 Hz
- approx 1.6 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDim
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring

i 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
- Orientation light function
- One Channel for light dimming and switching
- Manual switching and dimming via push button possible
- Version as Master device
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control



- Walking across
- Walking towards
- Seated activity

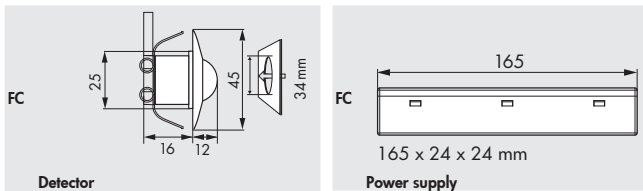
► Wiring diagrams on page 152!

Description	Colour	Part number
PD5-M-DIM-Clip	white	92310
Accessory		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726

LUXOMAT® PD9-M-DIM-FC



„Size comparison“

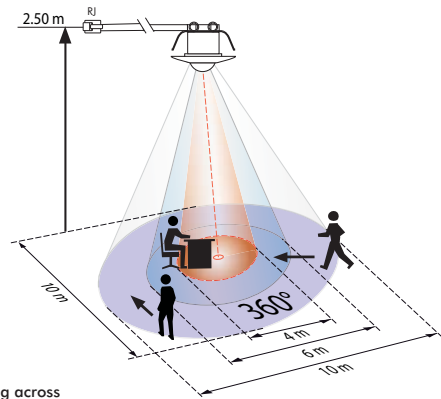


i PRODUCT INFORMATION

- 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
- Simple operation with remote control (required)
- Manual switching and dimming via push button possible
- Orientation light function
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Detection area can be extended with Slave devices
- Includes 45mm cover ring and blinds

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm (screened)
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDim
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring



- Walking across
- Walking towards
- Seated activity

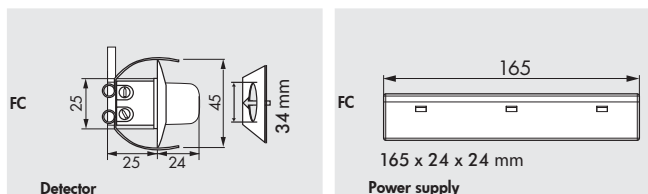
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-DIM-FC	white	92910
Accessory		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
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“

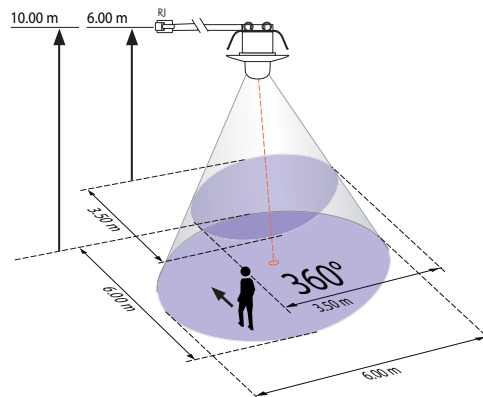


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- max. Ø 6 mm
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Light control feasible up to 5 m
- 45 cm (screened)
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDdim
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Mixed light measuring

i 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
- Simple operation with remote control (required)
- Orientation light function
- Manual switching and dimming via push button possible
- Detection area can be extended with Slave devices
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings
- Includes 45mm cover ring and blind
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.)**

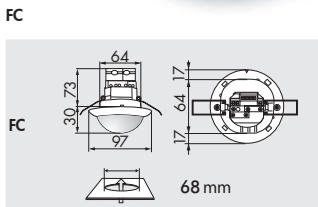


■ Walking across

► Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-DIM-GH-FC	white	92924
Accessory		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
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

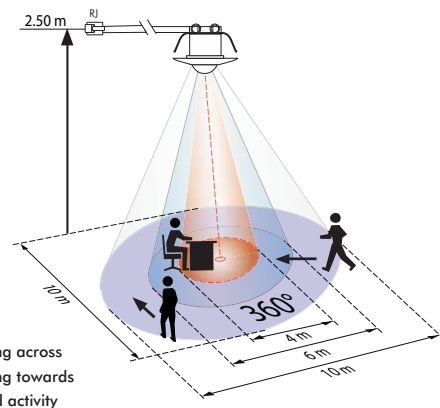


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.6 W
- 360°
- Ø 24 m across
Ø 8 m towards
Ø 6.4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DIM-HKL, IR-PD-DIM-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Channel 2 (HVAC control potential free)**
- Dry contact type NO 3 A / 16 A, 230 V, cos φ = 1
- 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring

i 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 additional dry contact for HVAC
- Manual switching and dimming via push button possible
- Orientation light function
- Version as Master device
- Detection area can be extended with Slave devices
- Simple operation with remote control (required)



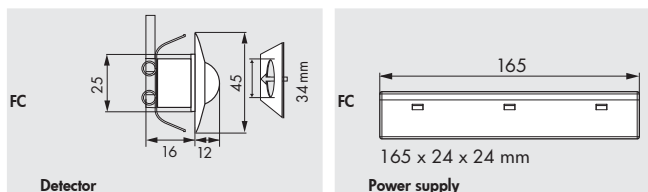
► Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-DIM-HVAC-3A-FC	white	92507
PD4-M-DIM-HVAC-16A-FC	white	92547
Accessory		
IR-PD-DIM-HKL	grey	92114
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD9-M-DIM-HVAC-FC



„Size comparison“

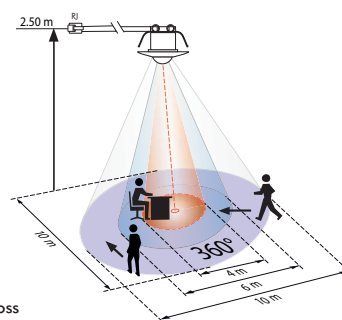


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.8 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm (screened)
- IR-Adapter for Smartphones, IR-PD-DIM-HKL, IR-PD-DIM-Mini
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- Channel 2 (HVAC control potential free)**
- Dry contact type NO 3A, 230 V, cos φ = 1
- 5 min - 60 min, pulse
- Mixed light measuring

i PRODUCT INFORMATION

- Mini occupancy detector with additional dry contact
- 1-10 V interface for control of dimmable electronic ballast
- Orientation light function
- One Channel for light dimming and switching
- One dry contact for HVAC
- Manual switching and dimming via push button possible
- Simple operation with remote control (required)
- Detection area can be extended with Slave devices
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm Ø cover ring and blinds
- Factory settings 5 min and 300 Lux (15 min HVAC)

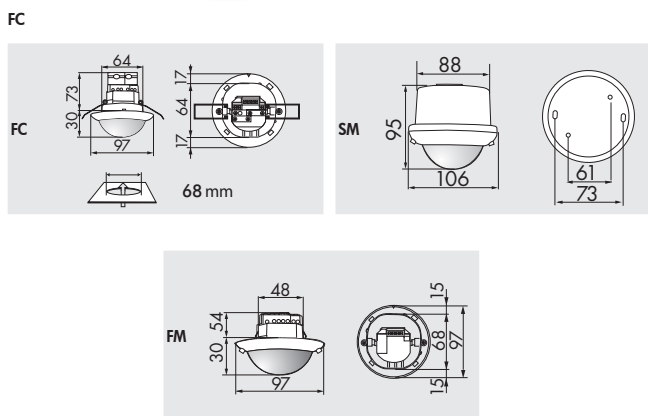


- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-DIM-HVAC-FC	white	92973
Accessory		
IR-PD-DIM-HKL	grey	92114
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
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

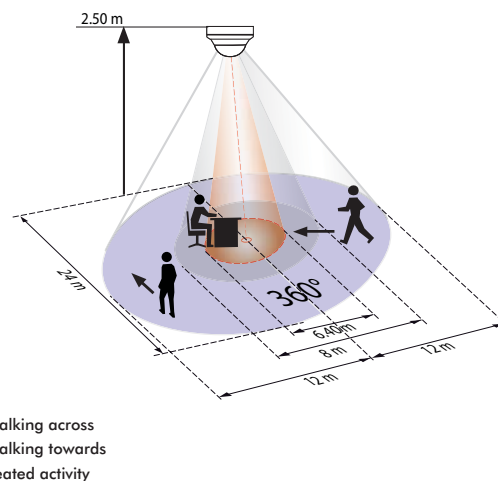


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.5 W
- 360°
- Ø 24 m across
 Ø 8 m towards
 Ø 6.4 m seated
- IP FC= IP20 SM= IP44 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DIM-Mini, IR-PDim
- Channel 1 and Channel 2 (lighting control)**
- 2300 W, cos φ = 1
 1150 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 30 min
- 10 - 2000 Lux
- 2 dim outputs 1-10 V DC, up to 25 EB each channel
- Mixed light measuring

i PRODUCT INFORMATION

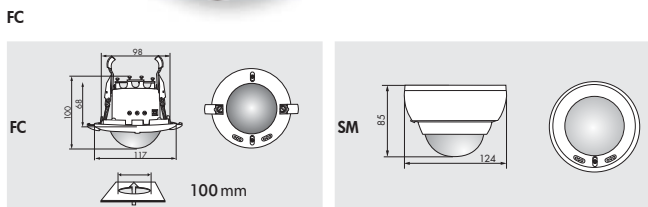
- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- Two 1-10 V interfaces for control of dimmable electronic ballasts
- One common detection area
- Two independent, movable light sensors
- Manual switching and dimming via push button possible
- Orientation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



▶ Wiring diagrams on page 152!

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		
IR-PDim	grey	92200
IR-PD-DIM-Mini	grey	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-TRIO-DIM-SM/-FC

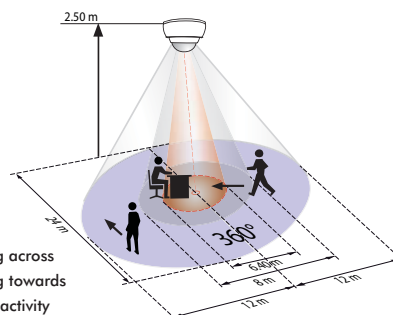


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.6 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD4-TRIO
- Channel 1-3: 1 - 60 min
- Channel 1 and Channel 2 (lighting control)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 1 min - 60 min
- 10 - 2000 Lux
- 2 dim outputs 1-10 V DC, up to 25 EB each channel
- Channel 3 (lighting control potential free)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 10 - 2000 Lux
- Mixed light measuring**

i PRODUCT INFORMATION

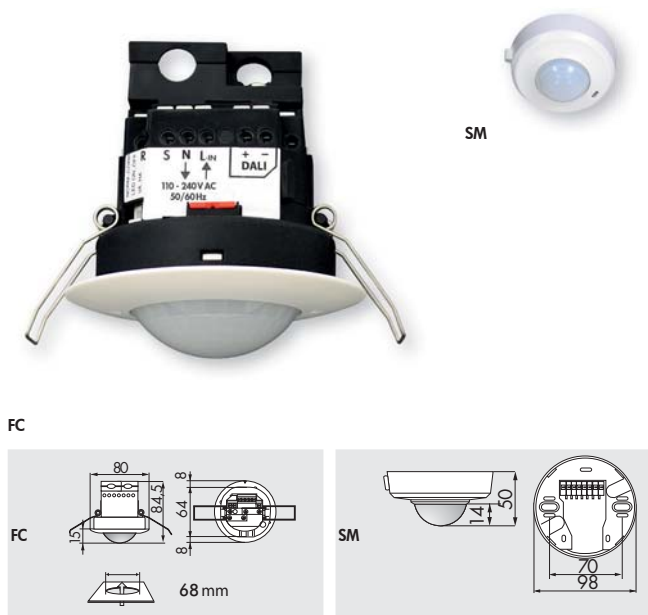
- Occupancy detector for two separate lighting groups and one potential-free light channel, for daylight-dependent lighting control
- One common detection area
- Two independent, movable light sensors
- Manual switching and dimming via push button possible
- Orientation light function
- Version as Master device
- Detection area can be extended with Slave devices
- Two 1-10 V interfaces for control of dimmable electronic ballasts
- Additional functions can be set up using the optional remote control



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-TRIO-DIM-FC	white	92735
PD4-M-TRIO-DIM-SM	white	92730
Accessory		
IR-PD4-TRIO	grey	92097
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD2-M-DALI/DSI-SM/-FC

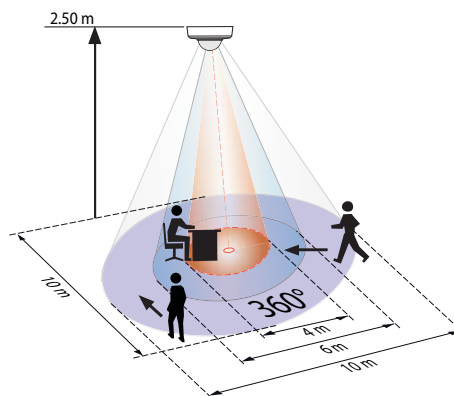


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.9 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DALI, IR-PD-DALI-E, IR-PD-DALI-LD, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- up to 50 DALI / DSI EB
- 1 min - 30 min
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Manual switching and dimming via push button possible
- Switching between DALI and DSI programme possible with DIP switch and remote control
- Orientation light function
- Version as Master device
- Detection area can be extended with Slave devices
- Additional functions can be set up using the optional remote control
- Factory settings 10 min and 500 Lux

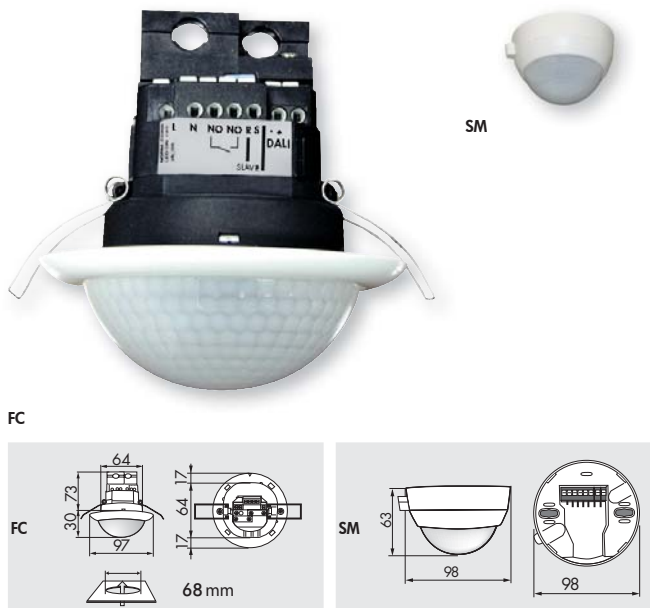


▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2-M-DALI/DSI-FC	white	92258
PD2-M-DALI/DSI-SM	white	92280
Accessory		
IR-PD-DALI-E	grey	92122
IR-PD-DALI	grey	92094
IR-PD-DALI-Mini	grey	92112
IR-PD-DALI-LD	grey	92652
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-DALI/DSI-SM/-FC

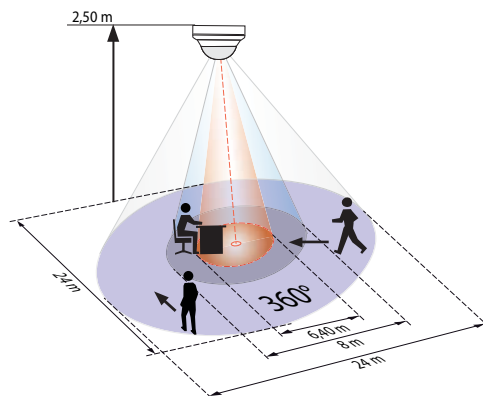
■ TECHNICAL DATA



- 110 - 240 V AC 50 / 60 Hz
- 0.9 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DALI, IR-PD-DALI-E, IR-PD-DALI-LD, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- up to 50 DALI / DSI EB
- 1 min - 30 min
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

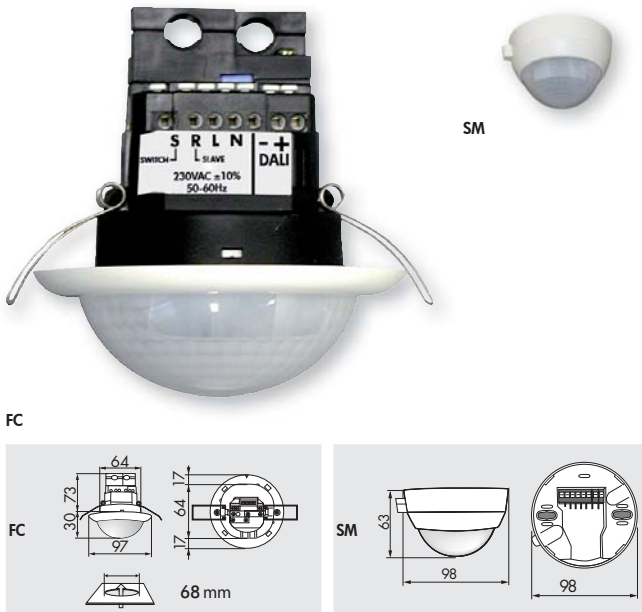
- Occupancy detector with extended detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programme possible with DIP switch and remote control
- Orientation light function
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control
- Factory settings 10 min and 500 Lux



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-DALI/DSI-FC	white	92275
PD4-M-DALI/DSI-SM	white	92279
Accessory		
IR-PD-DALI-E	grey	92122
IR-PD-DALI	grey	92094
IR-PD-DALI-Mini	grey	92112
IR-PD-DALI-LD	grey	92652
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-DALI/DSI-C-SM/-FC

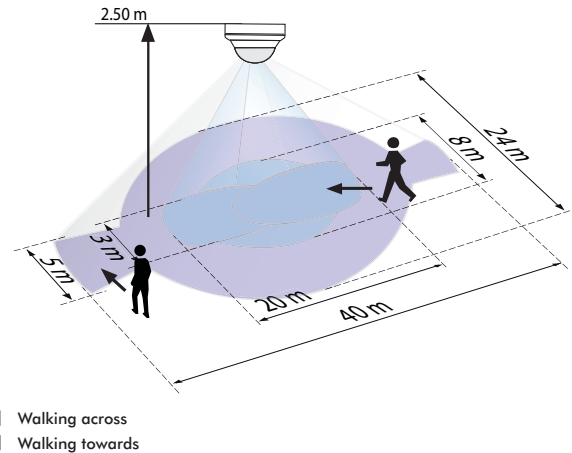


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- 0.9 W
- 360°
- Ø 40 m across
Ø 20 m towards
- Mandatory mounting height 2.4 m - 2.6 m
- IP FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DALI, IR-PD-DALI-E, IR-PD-DALI-LD, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- 1 min - 30 min
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Occupancy detector designed for corridors, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programme possible with DIP switch and remote control
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching and dimming via push button possible
- Orientation light function
- Additional functions can be set up using the optional remote control
- Factory settings 10 min and 500 Lux



Walking across
 Walking towards

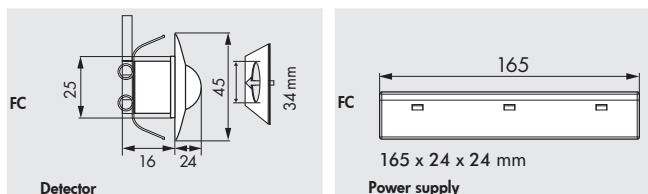
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-DALI/DSI-C-FC	white	92328
PD4-M-DALI/DSI-C-SM	white	92530
Accessory		
IR-PD-DALI-E	grey	92122
IR-PD-DALI	grey	92094
IR-PD-DALI-Mini	grey	92112
IR-PD-DALI-LD	grey	92652
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall fixture for PD4-SM	white	92441
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD9-M-DALI/DSI-FC



„Size comparison“

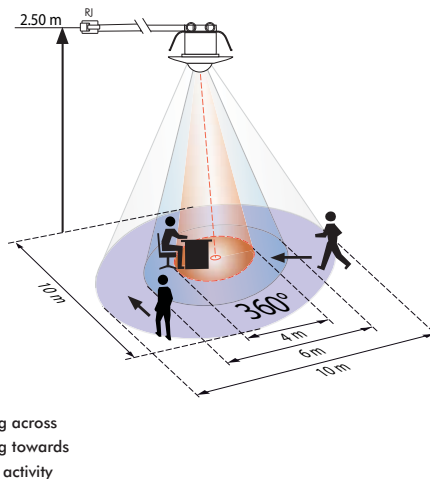


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- < 1 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm
- IR-Adapter for Smartphones, IR-PD-DALI, IR-PD-DALI-E, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- up to 50 DALI / DSI EB
- 1 min - 30 min
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Mini occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programme possible with remote control
- Manual switching and dimming via push button possible
- Detection area can be extended with Slave devices
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Includes 45mm cover ring and blinds
- Simple operation with remote control (required)
- Orientation light function
- Factory settings 10 min and 500 Lux



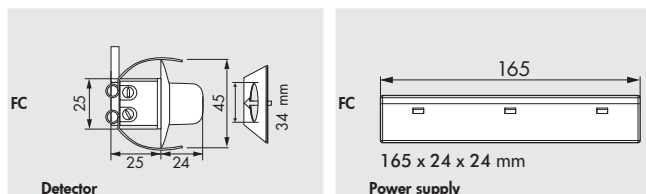
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-DALI/DSI-FC	white	92920
Accessory		
IR-PD-DALI	grey	92094
IR-PD-DALI-E	grey	92122
IR-PD-DALI-Mini	grey	92112
IR-Adapter for Smartphones	black	92726
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“

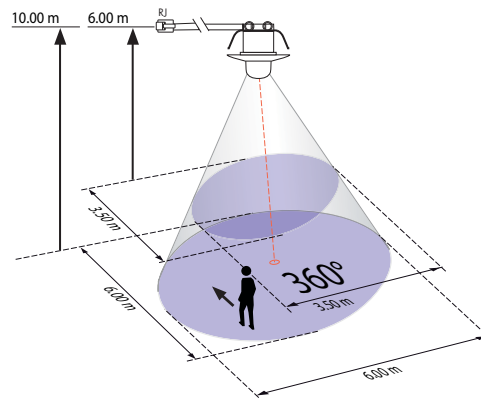


i PRODUCT INFORMATION

- Mini occupancy detector for daylight-dependent lighting control, for high-bay applications
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programme possible with remote control
- Detection area can be extended with Slave devices
- Orientation light function
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Includes 45mm cover ring and blind
- Simple operation with remote control (required)
- Manual switching and dimming via push button possible
- Factory settings 10 min and 500 Lux
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.)**

■ TECHNICAL DATA

- ~ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx 1 W
- 🌀 360°
- 📏 max. Ø 6 m across
- 📦 IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 📄 Polycarbonate, UV-resistant
- ⚠️ Light control feasible up to 5 m
- 📏 45 cm
- 📶 IR-Adapter for Smartphones, IR-PD-DALI, IR-PD-DALI-E, IR-PD-DALI-LD
- Channel 1 (lighting control)**
- 📶 DALI up to 50 DALI / DSI EB
- 🕒 1 min - 30 min
- ☀️ 10 - 2000 Lux
- ☀️🌙 Mixed light measuring



■ Walking across

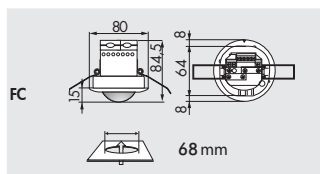
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-M-DALI/DSI-GH-FC	white	92938
Accessory		
IR-PD-DALI	grey	92094
IR-PD-DALI-E	grey	92122
IR-PD-DALI-LD	grey	92652
IR-Adapter for Smartphones	black	92726
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

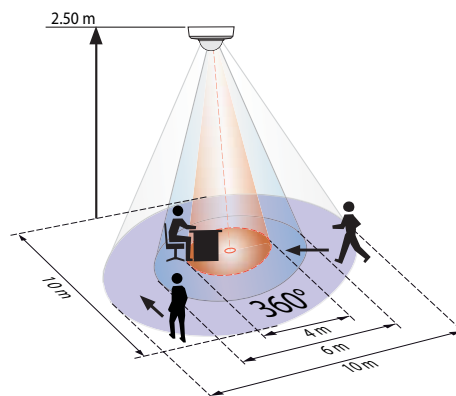
■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 1 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- up to 50 DALI / DSI EB
- 1 min - 30 min
- 10 - 2000 Lux
- Channel 2 (lighting control or HVAC)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 5 min - 120 min, pulse, alarm pulse

Mixed light measuring

i 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 with many functions: cut-off function for electronic ballast switchoff or HVAC function for energy-efficient control of heating, ventilation or air-conditioning units
- Switching between DALI and DSI programme possible with DIP switch and remote control
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching and dimming via push button possible
- Orientation light function
- Additional functions can be set up using the optional remote control
- Factory settings 10 min and 500 Lux

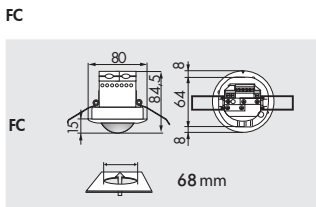


- Walking across
- Walking towards
- Seated activity

► Wiring diagrams on page 152!

Description	Colour	Part number
PD2-M-DALI/DSI-1C-FC	white	92486
Accessory		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD2-M-DALI/DSI-HVAC-FC

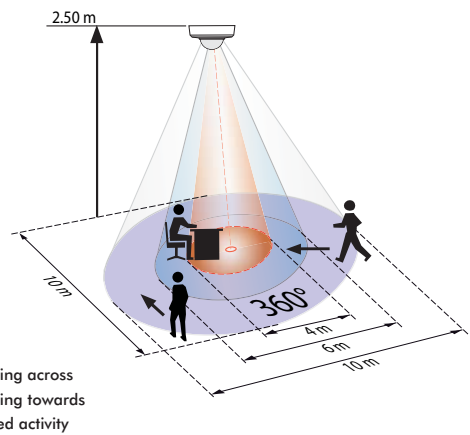


i **PRODUCT INFORMATION**

- 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: cut-off function for electronic ballast switchoff or HVAC function for energy-efficient control of heating, ventilation or air-conditioning units
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Orientation light function
- Switching between DALI and DSI programme possible with DIP switch and remote control
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching and dimming via push button possible
- Additional functions can be set up using the optional remote control
- Factory settings 10 min and 500 Lux

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 1 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- NO contact with tungsten pre-make contact
- up to 50 DALI / DSI EB
- 1 min - 30 min
- 10 - 2000 Lux
- Channel 2 (lighting control or HVAC potential free)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring



- Walking across
- Walking towards
- Seated activity

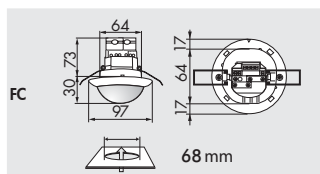
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2-M-DALI/DSI-HVAC-FC	white	92698
Accessory		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-DALI/DSI-1C-FC



FC



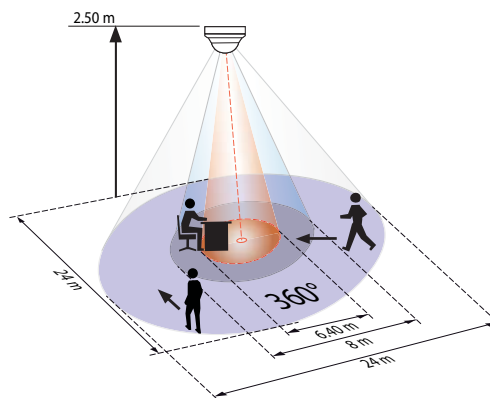
FC

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 1 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- up to 50 DALI / DSI EB
- 1 min - 30 min
- 10 - 2000 Lux
- Channel 2 (lighting control or HVAC)**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring

i PRODUCT INFORMATION

- Occupancy detector with large detection range for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One additional switching channel with many functions: cut-off function for electronic ballast switchoff or HVAC function for energy-efficient control of heating, ventilation or air-conditioning units
- Switching between DALI and DSI programme possible with DIP switch and remote control
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching and dimming via push button possible
- Orientation light function
- Additional functions can be set up using the optional remote control
- Factory settings 10 min and 500 Lux

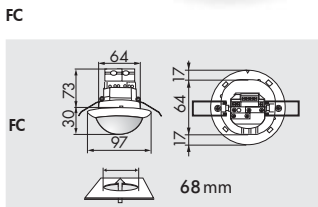


- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-DALI/DSI-1C-FC	white	92488
Accessory		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-DALI/DSI-HVAC-FC

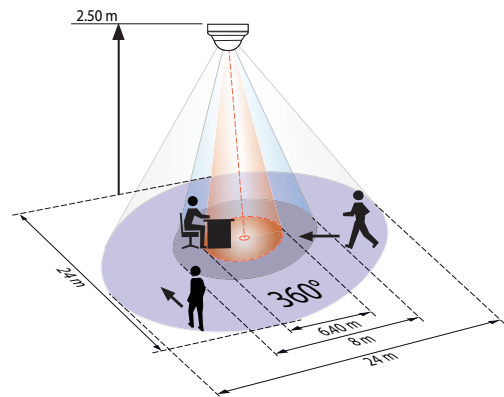


PRODUCT INFORMATION

- Occupancy detector with extended detection area, day-light-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI programme possible with DIP switch and remote control
- One additional switching channel with many functions: cut-off function for electronic ballast switchoff or HVAC function for energy-efficient control of heating, ventilation or air-conditioning units
- Alarm pulse: the detector triggers only when three movements are detected within 9 seconds
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching and dimming via push button possible
- Orientation light function
- Additional functions can be set up using the optional remote control
- Factory settings 10 min and 500 Lux

TECHNICAL DATA

- ~ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx 1 W
- ☂ 360°
- ⊘ 24 m across
- ☞ ⊘ 8 m towards
- ☞ ⊘ 6.4 m seated
- IP □ IP20 / Class II
- 🌡 -25 °C to +50 °C
- 📦 Polycarbonate, UV-resistant
- 📶 IR-Adapter for Smartphones, IR-PD-DALI-1C, IR-PD-DALI-Mini
- Channel 1 (lighting control)**
- 📶 DALI up to 50 DALI / DSI EB
- 🕒 1 min - 30 min
- ☀ 10 - 2000 Lux
- Channel 2 (lighting control or HVAC potential free)**
- ⚡ 2300 W, cos φ = 1
- ⚡ 1150 VA, cos φ = 0.5
- 🕒 5 min - 120 min, pulse, alarm pulse
- Mixed light measuring



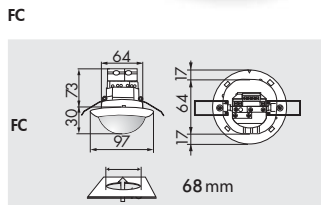
- ☑ Walking across
- ☑ Walking towards
- ☑ Seated activity

▶ Wiring diagrams on page 152!

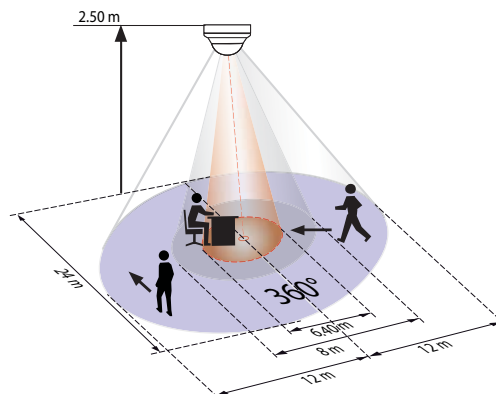
Description	Colour	Part number
PD4-M-DALI/DSI-HVAC-FC	white	92699
Accessory		
IR-PD-DALI-1C	grey	92116
IR-PD-DALI-Mini	grey	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (⊘ 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-DUO-DALI/DSI-FC

■ TECHNICAL DATA



- 110 - 240 V AC 50 / 60 Hz
- approx 1 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-DALI, IR-PD-DALI-E, IR-PD-DIM-Mini
- Channel 1 and Channel 2 (lighting control)**
- up to 25 DALI / DSI-EB per channel
- 1 min - 30 min
- 10 - 2000 Lux
- Mixed light measuring



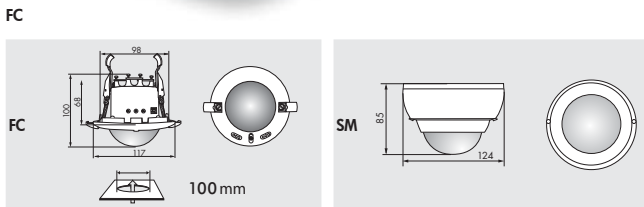
▶ Wiring diagrams on page 152!

i PRODUCT INFORMATION

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

Description	Colour	Part number
PD4-M-DUO-DALI/DSI-FC	white	92276
Accessory		
IR-PD-DALI-E	grey	92122
IR-PD-DALI	grey	92094
IR-PD-DALI-Mini	grey	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4-M-TRIO-DALI/DSI-SM/-FC

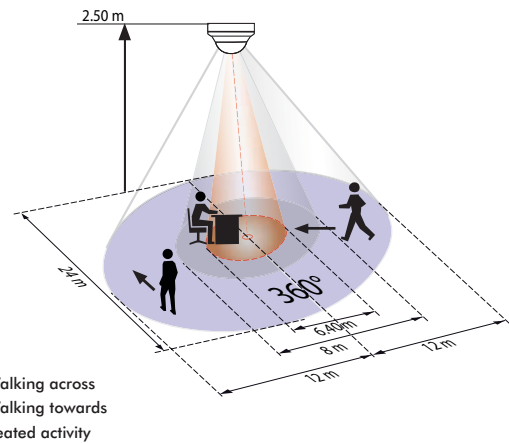


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 2.2 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD4-TRIO-DALI
- Channel 1 and Channel 2 (lighting control)**
- up to 25 DALI / DSI-EB per channel
- 1 min - 60 min
- 10 - 2000 Lux
- Channel 3 (lighting control)**
- up to 10 DALI / DSI EB
- Mixed light measuring

i PRODUCT INFORMATION

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



▶ Wiring diagrams on page 152!

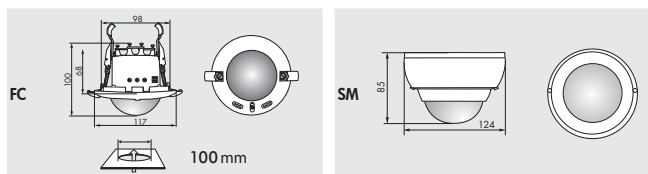
Description	Colour	Part number
PD4-M-TRIO-DALI/DSI-FC	white	92755
PD4-M-TRIO-DALI/DSI-SM	white	92750
Accessory		
IR-PD4-TRIO-DALI	grey	92104
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 for PD4-TRIO-SM	white	92386

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



SM

FC

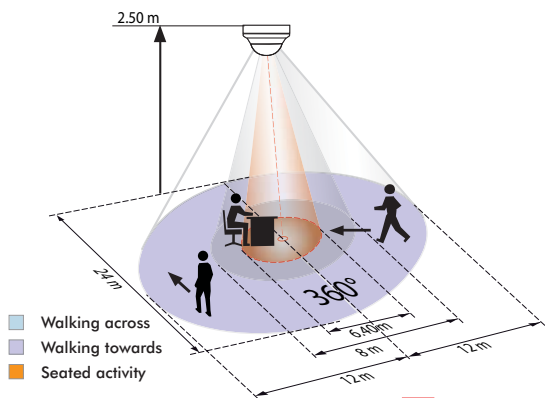


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 2.0 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD4-TRIO-DALI
- Channel 1 and Channel 2 (lighting control)**
- up to 25 DALI / DSI-EB per channel
- 1 min - 60 min
- 10 - 2000 Lux
- 1 min - 60 min
- Channel 3 (lighting control and HVAC control potential free)**
- 3000 W, cos φ = 1
- 1500 VA, cos φ = 0.5
- 1 min - 60 min
- 10 - 2000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

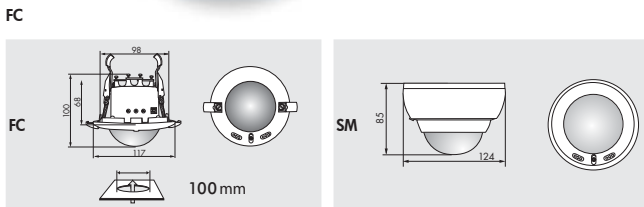
- Occupancy detector for two separate lighting groups, for daylight-dependent lighting control
- One potential-free switching channel for control of equipment (HVAC) or lighting
- Two independent, movable light sensors
- One common detection area
- 2 DALI/DSI interfaces for control of digital dimmable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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-M-TRIO-2DALI/DSI-1C-FC	white	92756
PD4-M-TRIO-2DALI/DSI-1C-SM	white	92751
Accessory		
IR-PD4-TRIO-DALI	grey	92104
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD4-M-DAA4G-SM/-FC

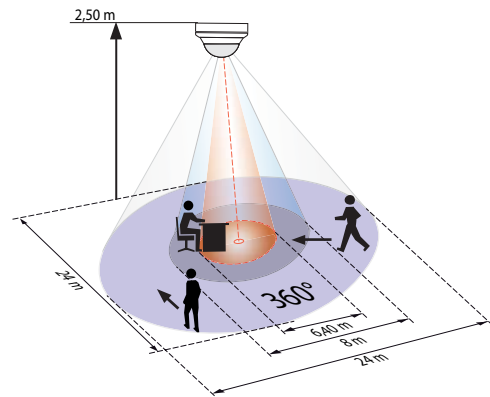


■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 1 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones
- DALI Control:**
- 1 - 64 DALI-EB max. 150 mA
- 1 min - 150 min (Light zones)
- 10 - 2000 Lux
- Relais (dry NO):**
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- 5 min - 120 min (HVAC)
- Mixed light measuring

i PRODUCT INFORMATION

- Flexible compact DALI solution designed for conference rooms, training rooms and classrooms
- High-sensitivity occupancy detector with the capability to address up to 64 DALI electronic ballasts (ECG) automatically, with segmented control via 4 groups
- Quick commissioning and maintenance processes with smartphone/tablet app (Android, iOS) - PC tool not required
- 3 lighting zones: A for main lighting with segmented constant light regulation via 3 DALI groups and offset control, B for lectern or blackboard lighting via separate DALI group, C for lectern or blackboard lighting by integrated relay
- High performance switching relay with various operating modes, e.g. cut-off function for DALI ECG, HVAC, blackboard lighting etc.
- Manual switching and dimming available with conventional push buttons
- Detection area can be extended with up to four Slave devices of type PD4-S-DAA4G
- Full range of functions can only be activated with the B.E.G. IR-Adapter and a smartphone or tablet (Android, iOS)



- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

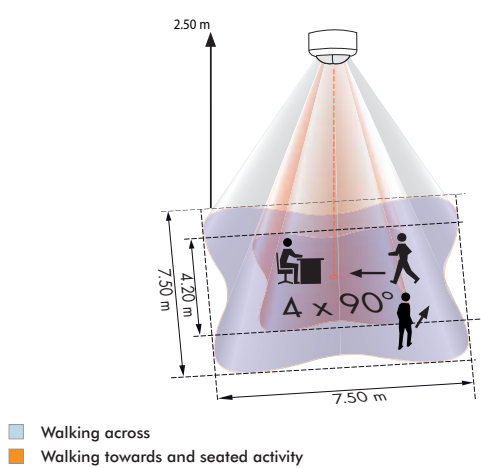
Description	Colour	Part number
PD4-M-DAA4G-FC	white	92591
PD4-M-DAA4G-SM	white	92743
Accessory		
IR-Adapter for Smartphones (necessary)	grey	92726
PD4-S-DAA4G-FC	white	92721
PD4-S-DAA4G-SM	white	92759

LUXOMAT® PD1N-S-SM/-FC/-FM

■ TECHNICAL DATA



- 110 - 240 V AC 50 / 60 Hz
- approx 0.3 W
- 4 x 90° nearly square size
7.5 m x 7.5 m across
 4.5 m x 4.5 m towards
4.2 m x 4.2 m seated
- FC= IP20 SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Pulse interval of 2 s or 9 s



i PRODUCT INFORMATION

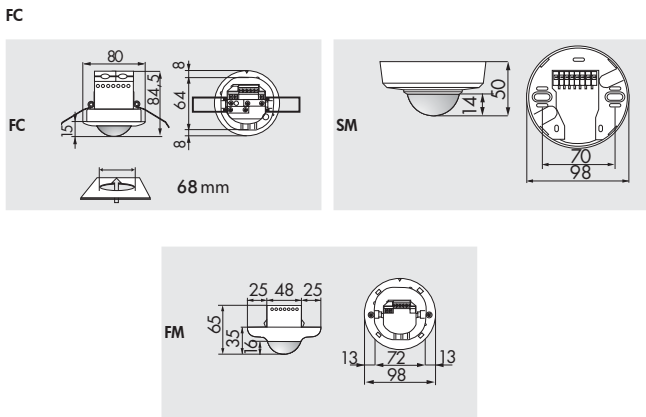
- Slave device with approximately square detection area
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-2C-DS, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

- 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		
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wire basket BSK (Ø 164 x 143 mm)	white	92467
SM-Socket IP54 for PD1N-FM	white	92121

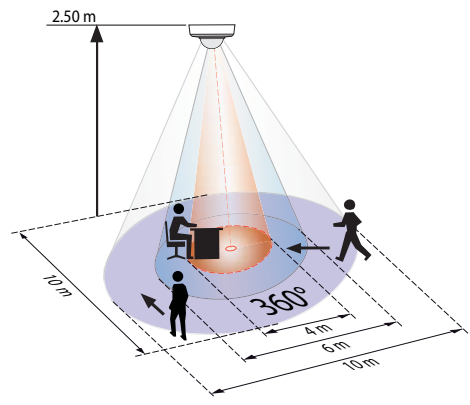
CEILING-MOUNTED OCCUPANCY DETECTORS

LUXOMAT® PD2-S-SM/-FC/-FM



■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.4 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Pulse interval of 2 s or 9 s



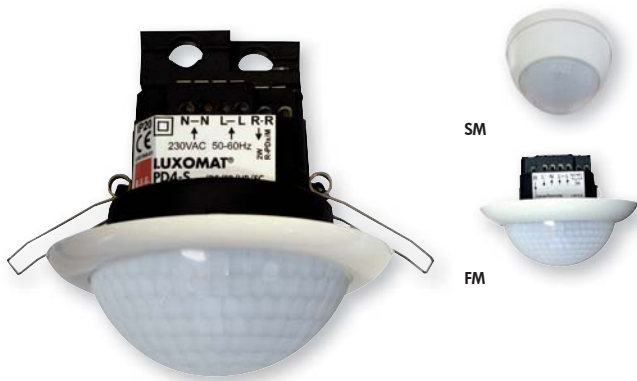
- Walking across
- Walking towards
- Seated activity

i PRODUCT INFORMATION

- Slave device with circular detection area
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-2C-DS, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

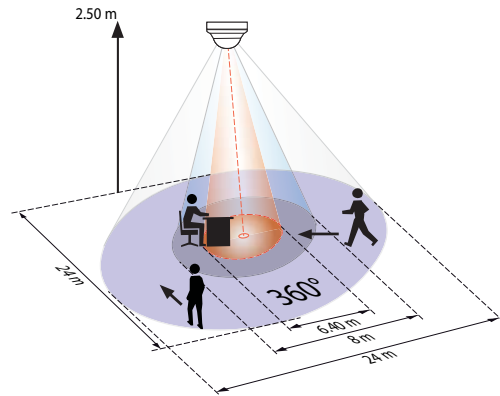
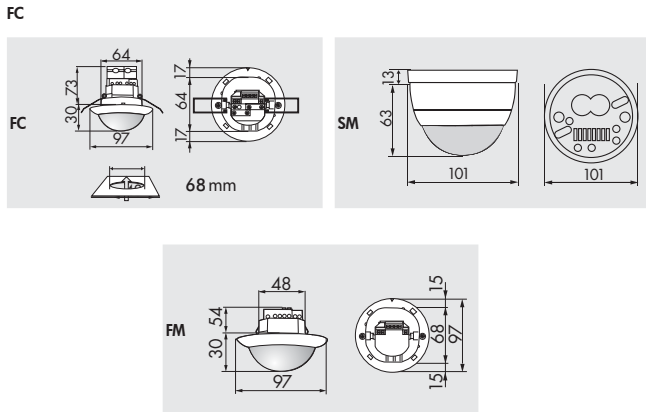
Description	Colour	Part number
PD2-S-FC	white	92166
PD2-S-SM	white	92152
PD2-S-FM	white	92156
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-S-SM/-FC/-FM



■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.2 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Pulse interval of 2 s or 9 s



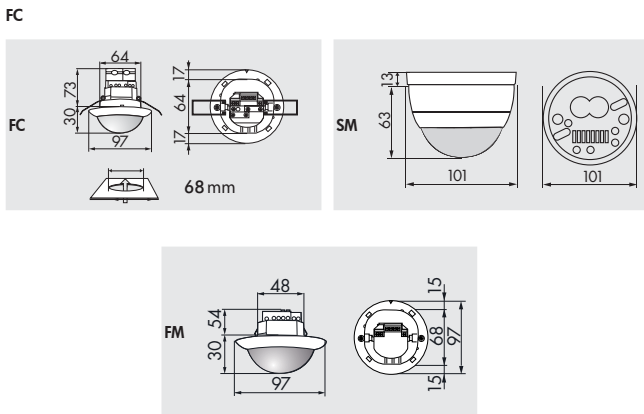
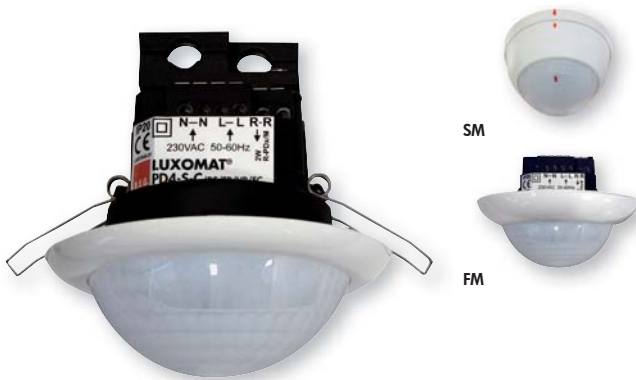
- Walking across
- Walking towards
- Seated activity

i PRODUCT INFORMATION

- Slave device with extended detection area
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-2C-DS, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

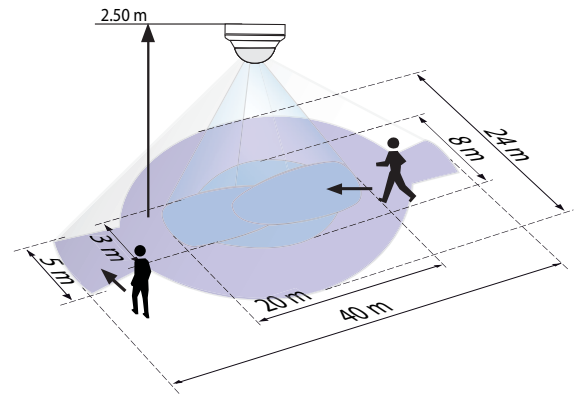
Description	Colour	Part number
PD4-S-FC	white	92254
PD4-S-SM	white	92142
PD4-S-FM	white	92163
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199
SM-Socket for SM-devices	white	92376

LUXOMAT® PD4-S-C-SM/-FC/-FM



■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.2 W
- 360°
- Ø 40 m across
Ø 20 m towards
- FC= IP20 SM= IP54 FM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Pulse interval of 2 s or 9 s



- Walking across
- Walking towards

i PRODUCT INFORMATION

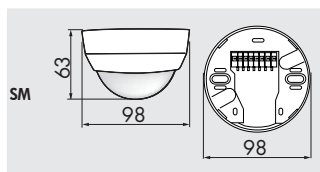
- Slave device designed for corridors
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-2C-DS, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

Description	Colour	Part number
PD4-S-C-FC	white	92444
PD4-S-C-SM	white	92442
PD4-S-C-FM	white	92445
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall fixture for PD4-SM	white	92441
SM-Socket for SM-devices	white	92376









LUXOMAT® PD4-S-GH-SM

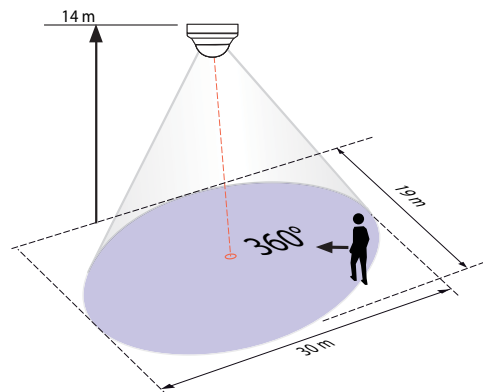


SM



■ TECHNICAL DATA


-  110 - 240 V AC 50 / 60 Hz
-  approx 0.3 W
-  360° oval
-  max. 30 m towards
max. 44 m across
-  IP20 / Class II
-  -25 °C to +50 °C
-  Polycarbonate, UV-resistant
-  Pulse interval of 2 s or 9 s



■ Walking across

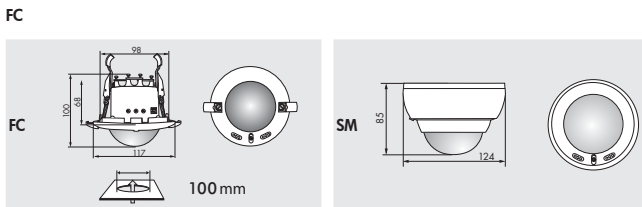
i PRODUCT INFORMATION

- Slave device for high-bay applications
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-2C-DS, 11-48V units, PD9-M-SDB, PD4-M-DAA4G
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**

▶ Application example 20 for high-bay warehouses 

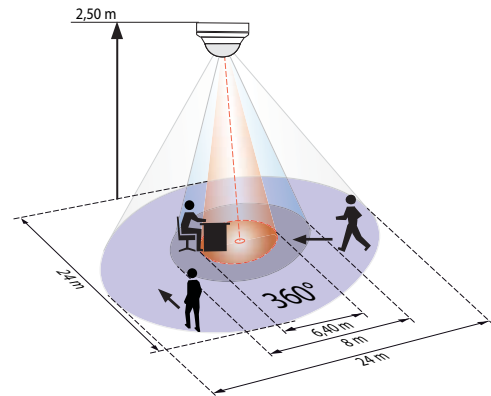
Description	Colour	Part number
PD4-S-GH-SM	white	92265
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-SM	white	92375

LUXOMAT® PD4-S-DAA4G-FC/-SM



■ TECHNICAL DATA

- 22 V DC via DALI-Bus
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP20 / Class III / CE
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- pulse interval 30 seconds (in test mode 2 seconds during 3 minutes)



- Walking across
- Walking towards
- Seated activity

i PRODUCT INFORMATION

- Slave device designed for PD4-M-DAA4G compact DALI system
- For extension of the detection area of a master device PD4-M-DAA4G
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Easy to mount
- Automatic test mode via master device
- Plug & Play – no parameterisation necessary
- Version for suspended ceilings
- Version for surface mounting

Description	Colour	Part number
PD4-S-DAA4G-FC	white	92721
PD4-S-DAA4G-SM	white	92759
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD5-S-Clip



■ TECHNICAL DATA

~ 230 V AC +/- 10 % 50 Hz

⏻ approx 0.6 W

☂ 360°

∅ 10 m across

☞ ∅ 6 m towards

☞ ∅ 4 m seated

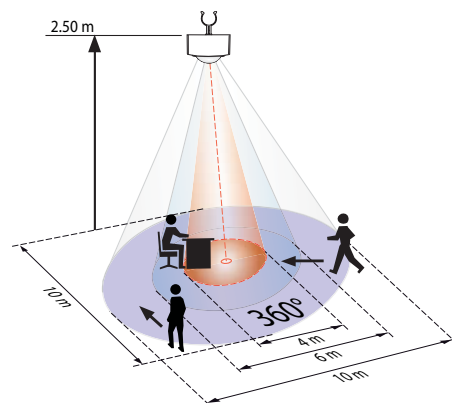
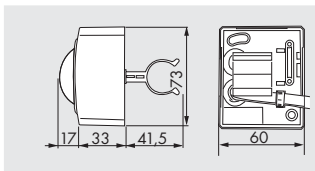
IP □ □ IP20 / Class II

🌡 -25 °C to +50 °C

☑ Polycarbonate, UV-resistant

⏳ Pulse interval 9 s

Clip



- Walking across
- Walking towards
- Seated activity

i PRODUCT INFORMATION

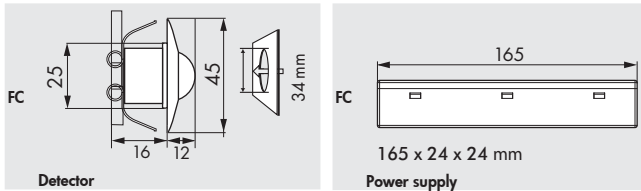
- Slave device designed for use with T5 and T8 fluorescent tubes
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

Description	Colour	Part number
PD5-S-Clip	white	92316

LUXOMAT® PD9-S-FC



„Size comparison“

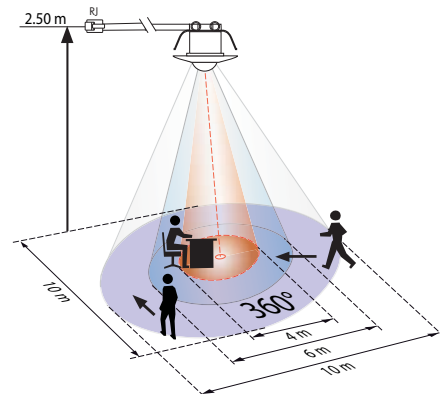


i PRODUCT INFORMATION

- Mini slave device for extending the detection area of a master device
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.3 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm
- Pulse interval 9 s



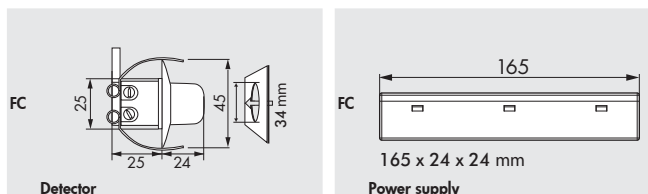
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PD9-S-FC	white	92905
Accessory		
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

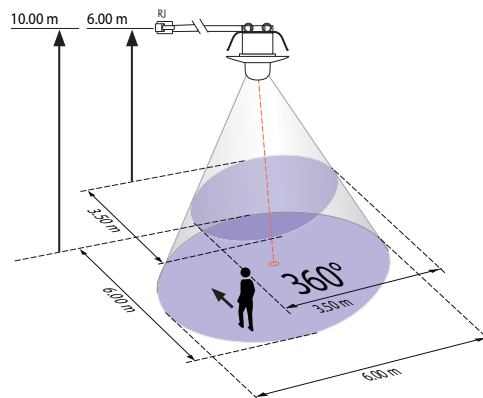


„Size comparison“



■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx 0.3 W
- 360°
- max. Ø 6 m
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 45 cm
- Pulse interval 9 s



■ Walking across

i PRODUCT INFORMATION

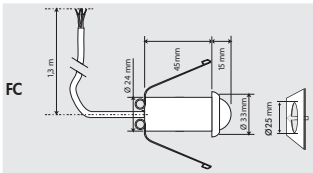
- Mini slave device (high-bay applications) for extending the detection area of a master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blind
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

Description	Colour	Part number
PD9-S-GH-FC	white	92928
Accessory		
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“

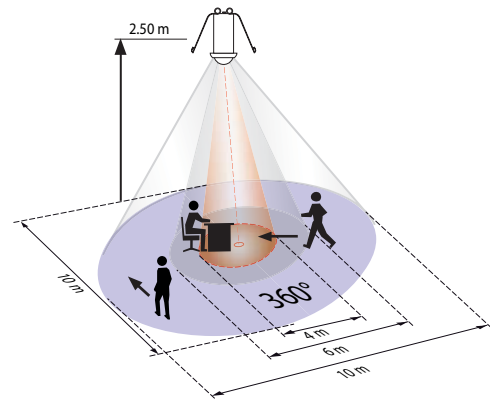


i **PRODUCT INFORMATION**

- Mini slave device without additional power unit for connection to master device
- Suitable for high-humidity locations
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Mounting with clip ring (included) for lights or with spring clips for suspended ceilings
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G

■ **TECHNICAL DATA**

- 110 - 240 V AC 50 / 60 Hz
- approx 0.3 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP65 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 150 cm
- Pulse interval 9 s



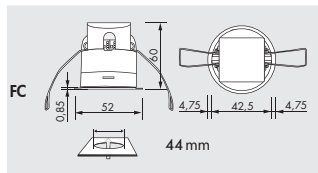
- Walking across
- Walking towards
- Seated activity

Description	Colour	Part number
PICO-S-FC	white	92700

LUXOMAT® PD11-S-FLAT-FC













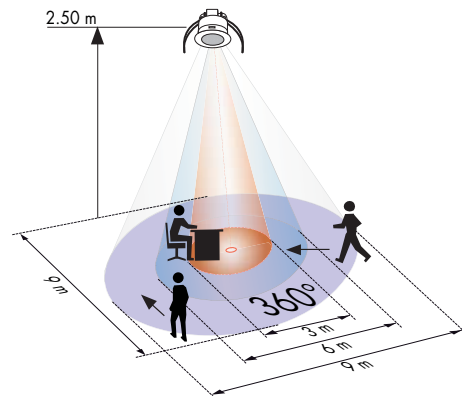
FC






FC

■ TECHNICAL DATA

-  110 - 240 V AC 50 / 60 Hz
-  0.35 W
-  360°
-  Ø 9 m across
-  Ø 6 m towards
-  Ø 3 m seated
-  IP20 / Class II
-  -25 °C to +50 °C
-  Polycarbonate, UV-resistant
-  Pulse interval 9 s



-  Walking across
-  Walking towards
-  Seated activity

i PRODUCT INFORMATION

- Super flat slave device for connection to Master device
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G
- Spring clips for quick and easy installation in suspended ceilings

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

LUXOMAT® PD2-M-2C-11-48V-SM/-FC

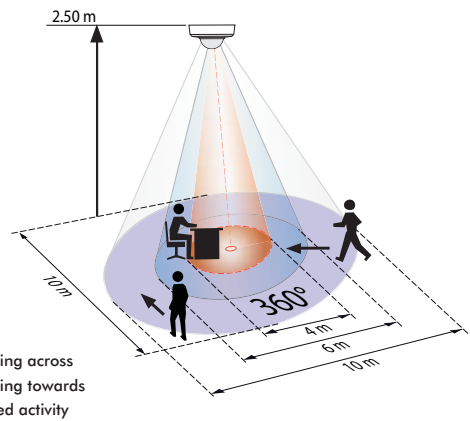


■ TECHNICAL DATA

- 11 - 48 V AC / DC
- < 1 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP FC= IP20 SM= IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-2C, IR-PD-Mini
- Channel 1 and Channel 2 (lighting control potential free)**
- 3A version:** 3 A $\cos \varphi = 1$
- RR version:** with Reed-Relay, 100 mA, $\cos \varphi = 1$ with dry contact/NO
- Kanal 1:** 15 s - 30 min or pulse
- Kanal 2:** 5 - 120 min, pulse, alarm pulse
- 10 - 2000 Lux
- Mixed light measuring

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 device or Slave device
- Manual switching via push-button possible
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 Lux (15 min HVAC)



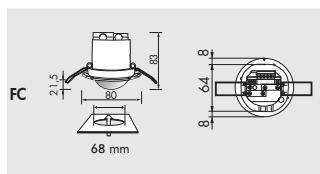
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2-M-2C-11-48V-3A-FC	white	92164
PD2-M-2C-11-48V-RR-FC	white	92306
PD2-M-2C-11-48V-3A-SM	white	92154
PD2-M-2C-11-48V-RR-SM	white	92305
Accessory		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD2N-LTMS-FC



FC



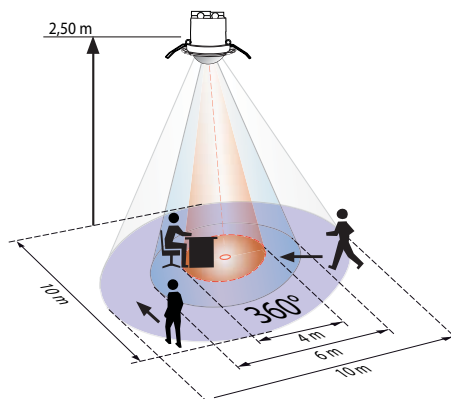
FC

■ TECHNICAL DATA

- 16 - 48 V DC
- < 1 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 0 – 1000 Lux, 0-10 V, ca. 10 mV/Lux
- 0°C – +50°C, 0-10 V, ca. 200 mV/°C
- 0 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1**
- Relay (potential free contact NO), 16 - 48 V DC, 3A, cos φ = 1
- 15 sec - 30 min
- Mixed light measuring

i PRODUCT INFORMATION

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



- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

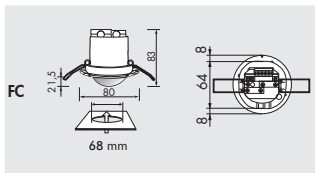


Description	Colour	Part number
PD2N-LTMS-FC	white	92113
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD2N-LTMS-RR-FC



FC

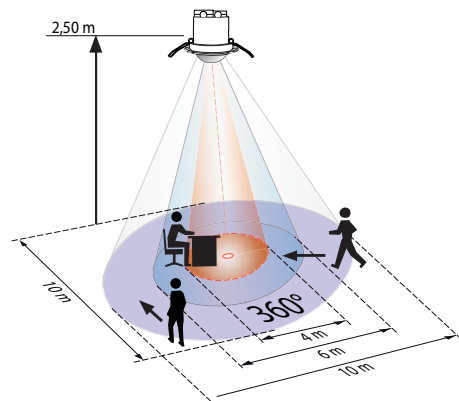


i PRODUCT INFORMATION

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

■ TECHNICAL DATA

- 12 - 48 V DC
- < 1 W
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 0 - 1000 Lux, 0-10 V, ca. 10 mV/Lux
- 0°C - +50°C, 0-10 V, ca. 200 mV/°C
- 0 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-LTMS
- Channel 1**
- Relay (potential free contact NO), 0 - 48 VDC, 100mA
- 1 s - 30 min with potentiometer, with remote control 5 s - 60 min, pulse
- Mixed light measuring



- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2N-LTMS-RR-FC	white	92119
Accessory		
IR-LTMS	grey	92185
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

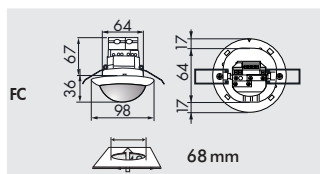
LUXOMAT® PD4N-LTMS-RR-FC



■ TECHNICAL DATA

- 12 - 48 V DC
- < 1 W
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP20 / Class II
- 0 - 1000 Lux, 0-10 V, ca. 10 mV/Lux
- 0°C - +50°C, 0-10 V, ca. 200 mV/°C
- 0 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-LTMS
- Channel 1**
- Relay (potential free contacts NO), 0 - 48 VDC, 100mA
- 1 s - 30 min with potentiometer, with remote control 5 s - 60 min, pulse
- Mixed light measuring

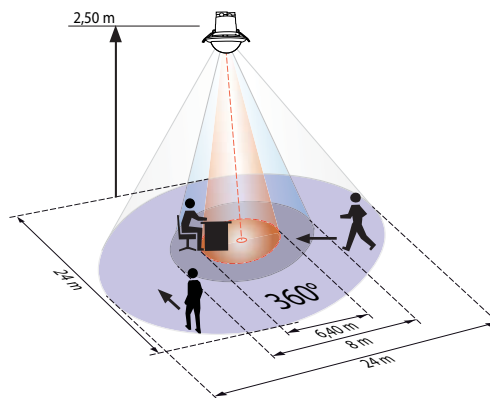
FC



FC

i PRODUCT INFORMATION

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



- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4N-LTMS-RR-FC	white	92709
Accessory		
IR-LTMS	grey	92185
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD2-KNX-SM/-FC/-FM

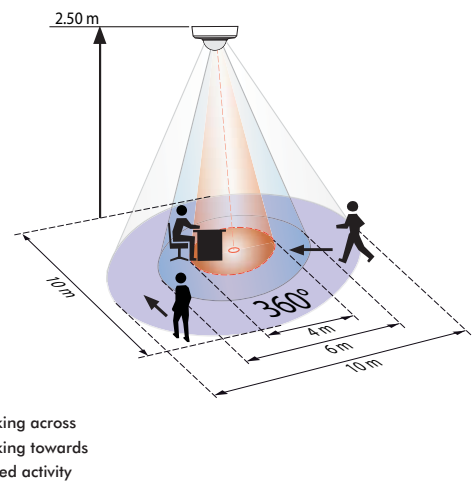


■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 7 mA
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP □ FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS system**
- 5 - 1200 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- When using the product database B.E.G. Präsenzmelder_928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set 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



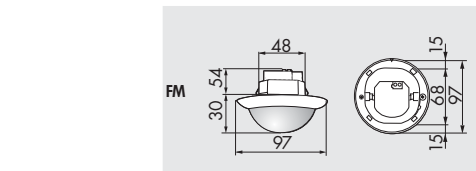
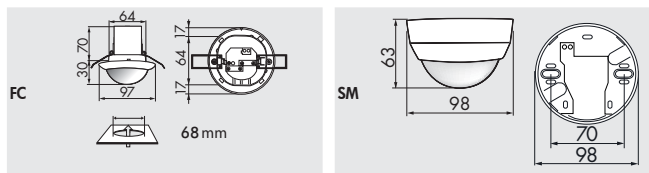
▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2-KNX-FC	white	92881
PD2-KNX-SM	white	92880
PD2-KNX-FM	white	92882
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-KNX-SM/-FC/-FM



FC

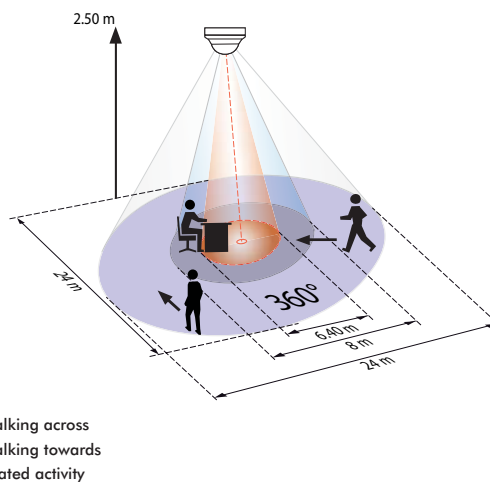


■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 7 mA
- 360°
- Ø 24 m across
- Ø 8 m towards
- Ø 6.4 m seated
- IP □ □ FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV- resistant
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS systems**
- 5 - 1200 Lux
- Mixed light measuring

i PRODUCT INFORMATION

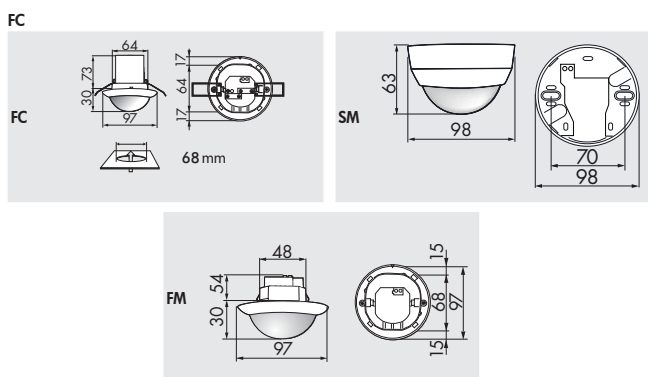
- KNX occupancy detector with extended detection area and integrated KNX bus connector
- When using the product database B.E.G. Praesenzmelder_928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set 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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-KNX-FC	white	92884
PD4-KNX-SM	white	92883
PD4-KNX-FM	white	92885
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP65 for PD4-SM	white	92375
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-KNX-C-SM/-FC/-FM

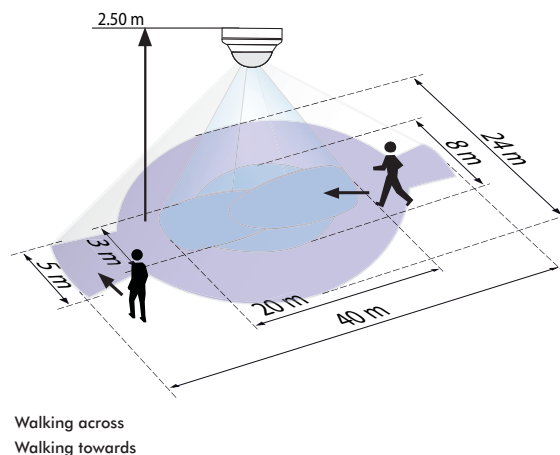


■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 7 mA
- 360°
- Ø 40 m across
Ø 20 m towards
- FC= IP20 SM= IP20 FM= IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV- resistant
- Mandatory mounting height 2.4 - 2.6m
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS systems**
- 5 - 1200 Lux
- Mixed light measuring

i PRODUCT INFORMATION

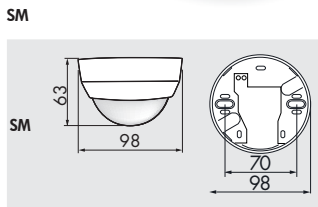
- KNX occupancy detector designed for corridors, with integrated KNX bus connector
- When using the product database B.E.G. _Praesenzmelder_ 928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set 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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD4-KNX-C-FC	white	92887
PD4-KNX-C-SM	white	92886
PD4-KNX-C-FM	white	92888
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall fixture for PD4-SM	white	92441
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-SM	white	92375

LUXOMAT® PD4-KNX-GH-SM

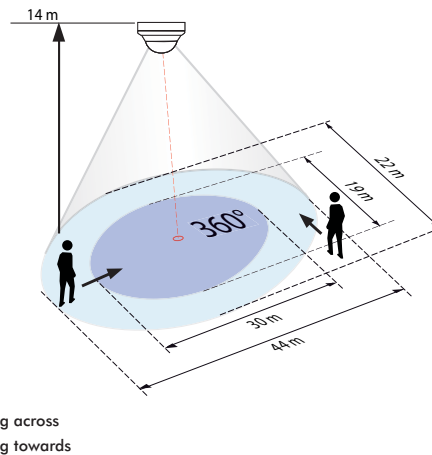


■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 7 mA
- 360° oval
- Light control feasible up to 5 m
- max. 30 m towards
max. 44 m across
- IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV- resistant
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS systems**
- 5 - 1200 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- KNX occupancy detector designed for high-bay warehouses, with integrated KNX bus connector
- When using the product database B.E.G. _Praesenzmelder_ 928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set 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
- **When used in high-bay warehouses, care should be taken that, in the cross-aisles of the warehouse, detectors are installed that can detect movement only in the desired aisle locations, by using blinds or other technical arrangements.**



▶ Wiring diagrams on page 152!

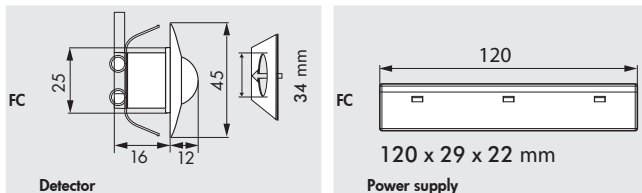
▶ Application example 20 for high-bay warehouses

Description	Colour	Part number
PD4-KNX-GH-SM	white	92889
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726
Socket IP65 for PD4-SM	white	92375
Socket IP54 for PD2- and PD4-SM	white	92161
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD9-KNX-FC



„Size comparison“

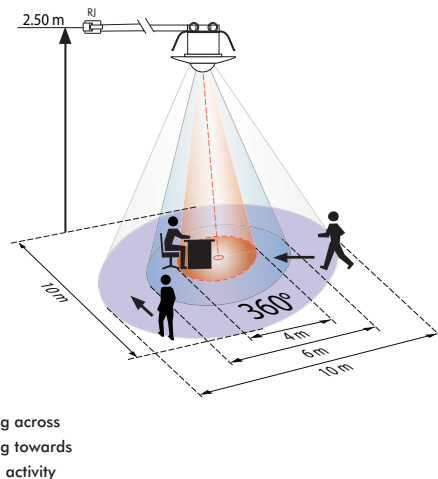


i PRODUCT INFORMATION

- KNX mini occupancy detector with integrated bus connector
- When using the product database B.E.G. _Präsenzmelder_ 928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set 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
- 7 mA
- 360°
- Ø 10 m across
- Ø 6 m towards
- Ø 4 m seated
- IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV- resistant
- 45 cm
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS systems**
- 5 - 1200 Lux
- Mixed light measuring



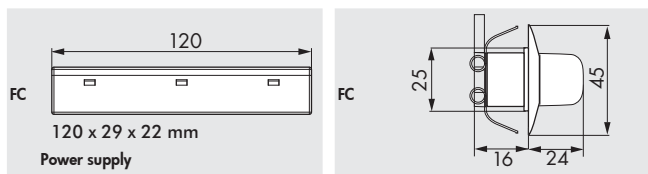
! **► Wiring diagrams on page 152!**

Description	Colour	Part number
PD9-KNX-FC	white	92890
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726
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“

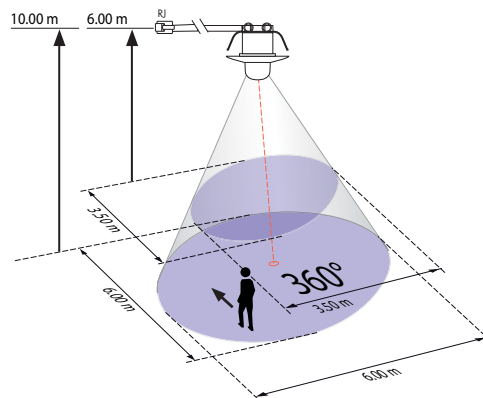


■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 7 mA
- 360°
- Light control feasible up to 5 m
- max. Ø 6 m
- IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV- resistant
- 45 cm
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS systems**
- 5 - 1200 Lux
- Mixed light measuring

i PRODUCT INFORMATION

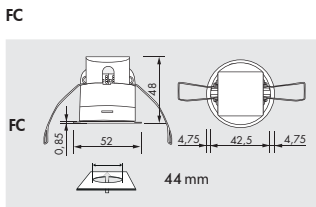
- KNX mini occupancy detector with integrated bus connector, for high-bay applications
- When using the product database B.E.G._Praesenzmelder_928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set 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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD9-KNX-GH-FC	white	92891
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726
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

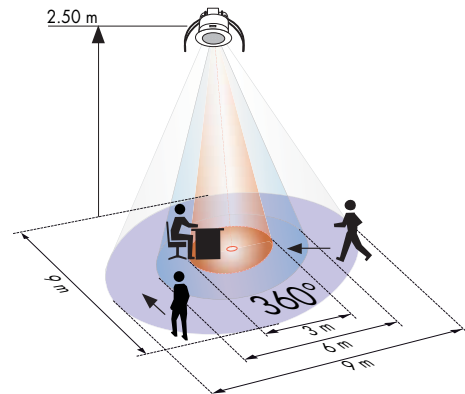


■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 8 mA
- 360°
- Ø 9 m across
- Ø 6 m towards
- Ø 3 m seated
- IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV- resistant
- IR-Adapter for Smartphones, IR-PD-KNX
- For integration in KNX BUS systems**
- 5 - 1200 Lux
- Mixed light measuring

i PRODUCT INFORMATION

- Low profile KNX occupancy detector with integrated KNX bus connector
- When using the product database B.E.G._Praesenzmelder_928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-dependent or not
- Set 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
- Spring clips for quick and easy installation in suspended ceilings



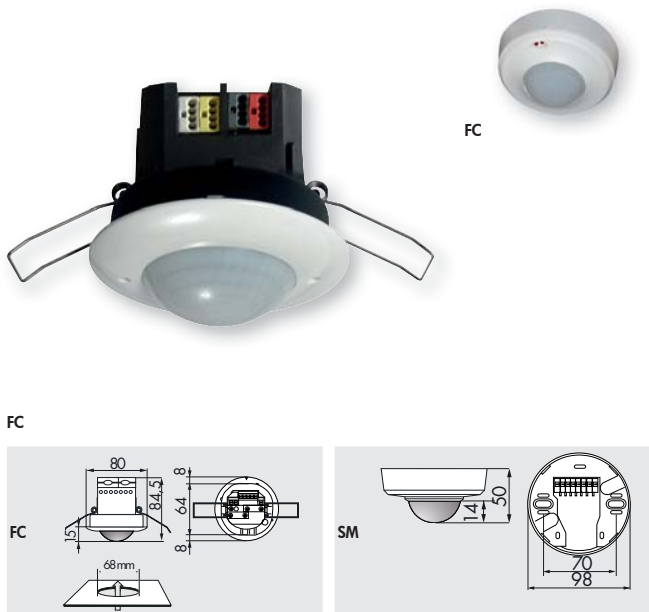
- Walking across
- Walking towards
- Seated activity

▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD11-KNX-FLAT-FC	white	92893
Accessory		
IR-PD-KNX	grey	92123
IR-Adapter for Smartphones	black	92726

LUXOMAT® PD2N-LON-SM/-FC

■ TECHNICAL DATA

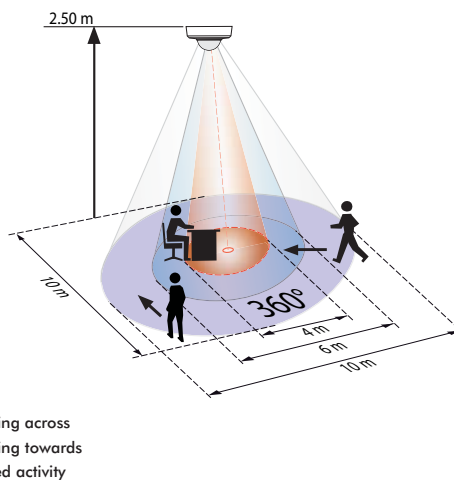


- 24 V AC / DC +/- 20 %
- 12 mA at 24 V DC
20 mA at 24 V AC
- < 0.5 W
- 360°
- Ø 10 m across
Ø 6 m towards
Ø 4 m seated
- IP SM= IP20 / Class II
- +5 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-LON
- For integration in LON-BUS systems**
- 0 - 8000 Lux
Mixed light measuring

CEILING-MOUNTED OCCUPANCY DETECTORS

i PRODUCT INFORMATION

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



▶ Wiring diagrams on page 152!

Description	Colour	Part number
PD2N-LON-FC	white	92736
PD2N-LON-SM	white	92734
Accessory		
IR-PD-LON	grey	92835
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD4N-LON-SM/-FC

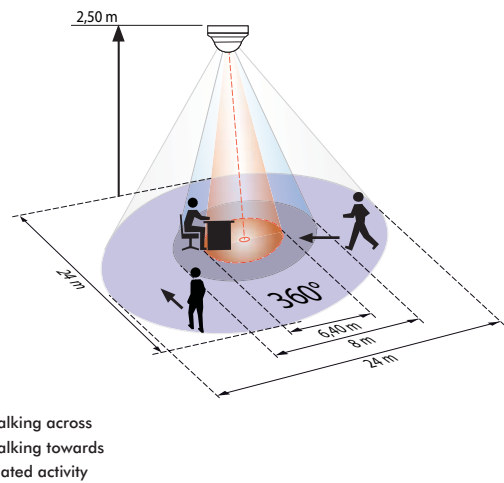


■ TECHNICAL DATA

- 24 V AC / DC +/- 20 %
- 12 mA at 24 V DC
20 mA at 24 V AC
- < 0.5 W
- 360°
- Ø 24 m across
Ø 8 m towards
Ø 6.4 m seated
- IP FC= IP20 SM= IP20 / Class II
- +5 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-LON
- For integration in LON-BUS systems**
- 0 - 8000 Lux
- Mixed light measuring

i PRODUCT INFORMATION

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



► Wiring diagrams on page 152!

Description	Colour	Part number
PD4N-LON-SM	white	92834
PD4N-LON-FC	white	92831
Accessory		
IR-PD-LON	grey	92835
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

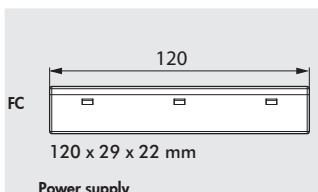
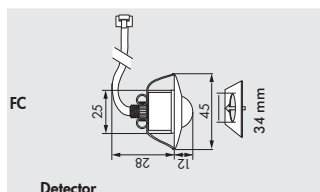
LUXOMAT® PD9N-LON-FC



■ TECHNICAL DATA

- 24 V AC / DC +/- 20 %
- 12 mA at 24 V DC
20 mA at 24 V AC
- < 0.5 W
- 360°
- Ø 10 m across
Ø 6 m towards
Ø 4 m seated
- IP20 / Class II
- +5 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-PD-LON
- For integration in LON-BUS systems**
- 0 - 8000 Lux
Mixed light measuring

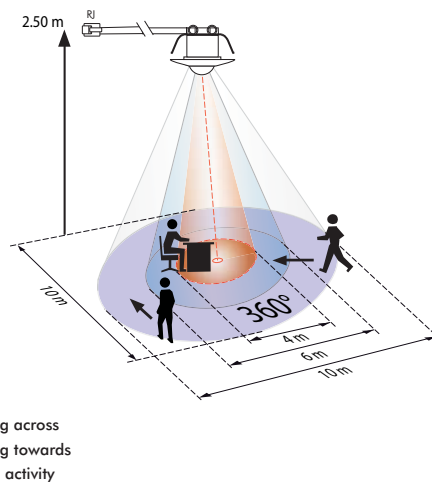
FC



FC

i PRODUCT INFORMATION

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



► Wiring diagrams on page 152!

Description	Colour	Part number
PD9N-LON-FC	white	92989
Accessory		
IR-PD-LON	grey	92835
IR-Adapter for Smartphones	black	92726

Blinds for B.E.G. motion and occupancy detectors

▪ **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.

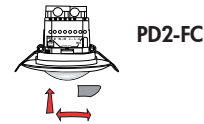


PD2-SM with blinds

▪ **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 with blinds

▪ **LUXOMAT® PD3N – 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 – Part no. 92313**

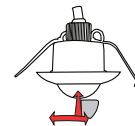


The blinds have nominal breaks at regular distance. The detection area can therefore be accurately adapted to your needs.



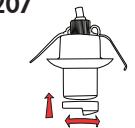
PD4-FM with blinds

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



PD9-FC with blinds

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



PD9-GH-FC with blinds

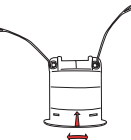
▪ **LUXOMAT® PICO-FC – Part no. 37731 / PD11-FC – Part no. 38522**



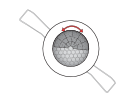
PICO-FC



PICO-FC with blinds



PD11-FC



PD11-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 of interferences for your lighting installation. For technical reasons, voltage peaks when switching inductive loads (e.g. conventional ballasts), especially in combination with long cables, 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. An efficient suppression of interferences is achieved when the RC suppressor is installed near the source of interference.

Wire basket B.E.G.

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



Ø 200 x 90 mm

For inside and outdoor use motion and occupancy detectors

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



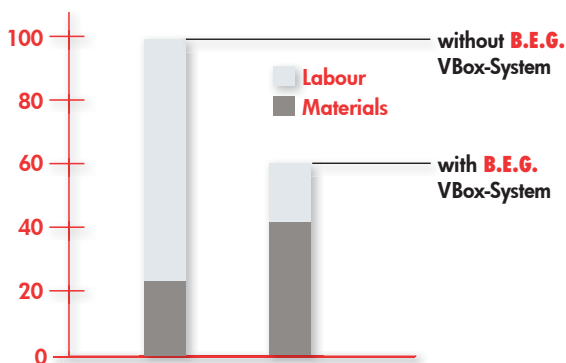
Ø 164 x 143 mm

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

Modules for pre-wired ceiling-mounted motion detectors



COST COMPARISON [in %]

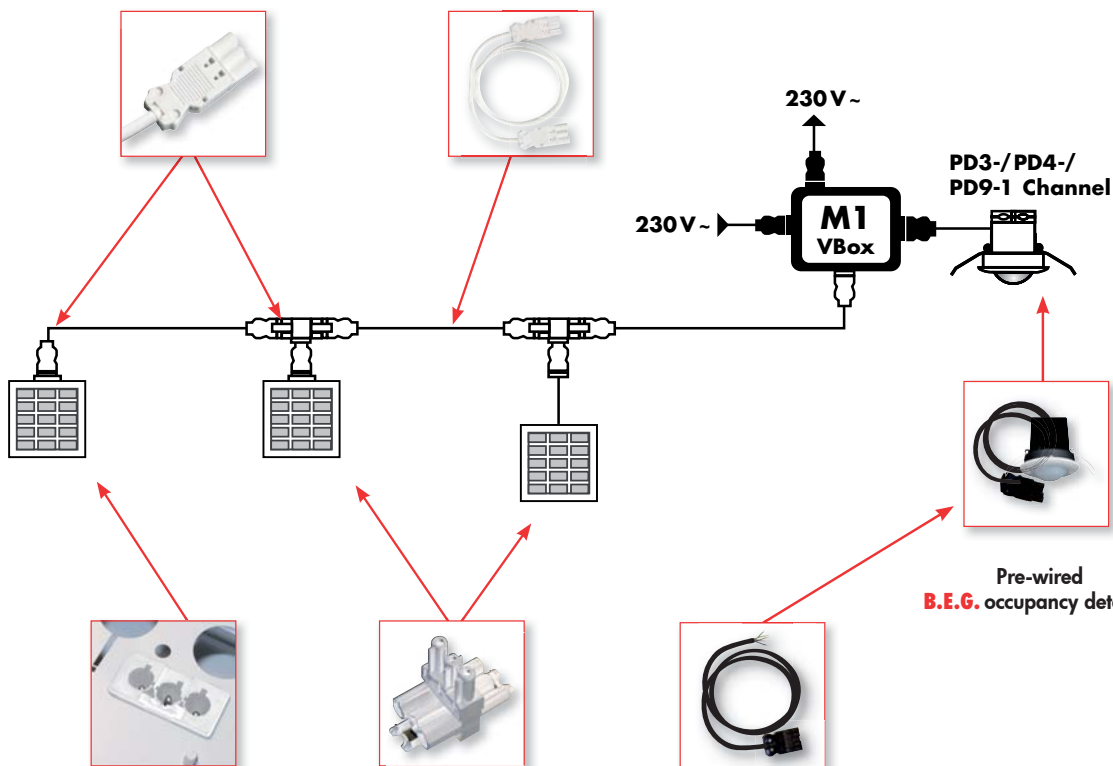


- Fast, safe, error-free installation
- Easy connection
- Can be easily reconnected in the event of subsequent changes to the application – flexibility now and in the future
- Cost-efficient
 - » Up to 70% savings on labour costs
 - » Up to 30% savings on labour + materials

For additional information, please request our VBox catalogue

Connector and socket for power supply

Extension cable for flexible wiring



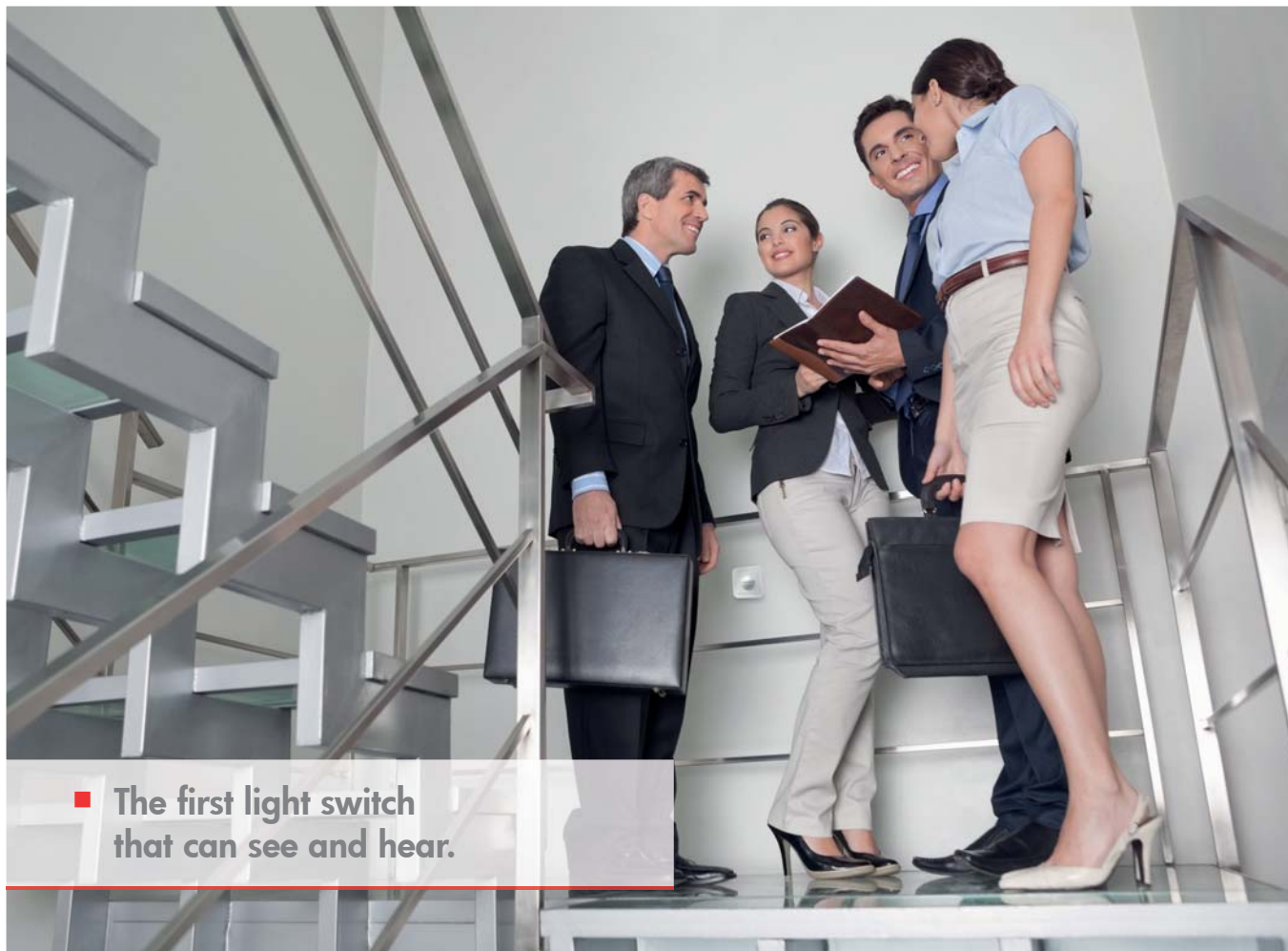
Pre-wired B.E.G. occupancy detector

Integrated connector in the light fitting

T-piece for combined switching of individual lighting units

Connecting cable for pre-wired occupancy detector

LUXOMAT® Motion and occupancy detectors for wall mounting



- The first light switch that can see and hear.

Unobtrusive and reliable

Automatic lighting operation in transit areas contributes significantly to safety, and offers greatly-increased convenience in homes. The LUXOMAT® Indoor 180 and Indoor 140-L 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 partly equipped with acoustic sensors. Once activated by movement, every new movement and sound resets the individually-adjustable follow-up time back to the beginning.

After the follow-up 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.

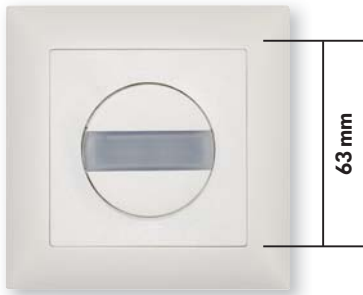
The ability to reactivate the light by sound is especially useful in rooms where not all areas are easily covered. An example is toilets, where dividing walls mean movement cannot be detected. The IP54 version of the LUXOMAT® Indoor 180 can also be installed in high-humidity locations such as cellar stairs or garages.



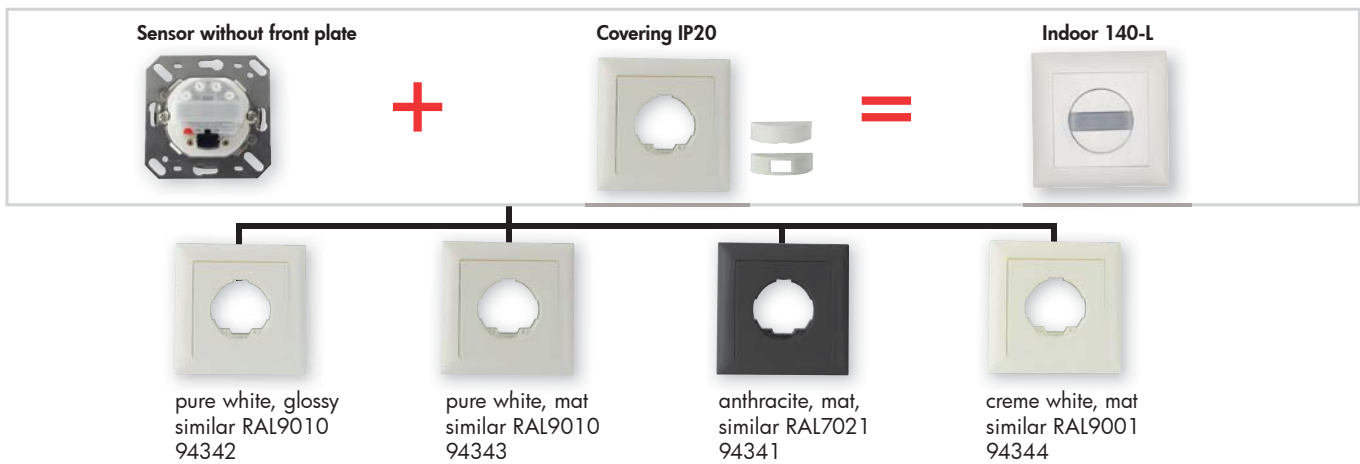
INDOOR 140-L – Flush mount, IP20

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

Sensor with front plate



Sensor without front plate



Combined with other operating systems

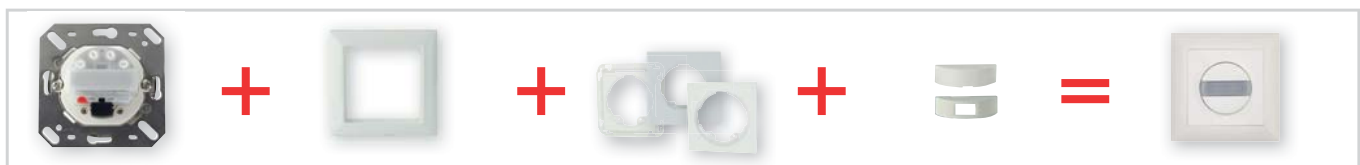
Sensor without front plate

Single or multiple frame of the switch program

Centre plate set (63 x 63 mm / 55 x 55 mm / 45 x 45 mm), traffic white, shining or mat similar RAL 9016

half-moon shaped push button covers for Indoor 140-L

Indoor 140-L



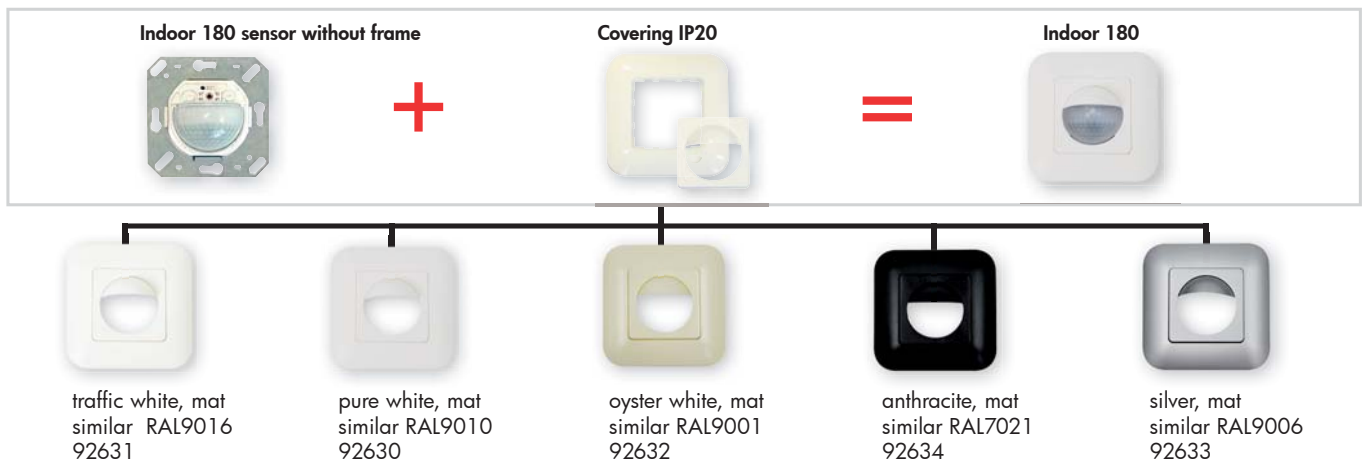
INDOOR 180 – Flush mount, IP20

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.

Indoor 180 covering included



Indoor 180 covering not included

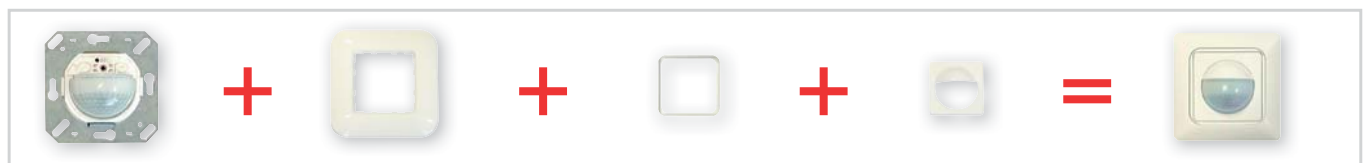


INDOOR 180 – Flush mount, IP54






Combined with other switch systems

Indoor 180 without frame	+	Single or multiple frame of the switch program	+	Centre plates as an adapter for standard 50 x 50mm after DIN 49075	+	Covering for Indoor 180, different colours	=	Indoor 180
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Switching with 1-channel motion and occupancy detectors with simple light measurement

Detectors	Page				Simple light measurement	Motion detection	Remote control-capable	Range	Additional functions
Indoor 140-L	118	–	–	94325 (UK) 94327 (EU)	▪	▪	–	max. r = 8 m	Switch function and downlight
Indoor 180-R	119	–	–	92623	▪	▪	–	max. r = 10 m	Relay version with acoustic sensor
Indoor 180-T	120	–	–	92622	▪	▪	–	max. r = 10 m	Triac version with acoustic sensor
Indoor 180-R-2D	121	–	–	92616	▪	▪	–	max. r = 10 m	Relay version with acoustic sensor
Indoor 180-SC	123	–	–	92650	▪	▪	–	max. r = 10 m	for staircase switches

11-48V Occupancy detector

Indoor 180-R-11-48V-3A	122	–	–	92666	▪	▪	–	max. r = 10 m	–
Indoor 180-R-11-48V-RR	122	–	–	92667	▪	▪	–	max. r = 10 m	with Reed relay

Switching with 2-channel Master with Daylight appraisal

Indoor 180-M-2C	125	–	–	92136	–	▪	▪	max. r = 10 m	–
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Slave devices

Indoor 180-S	126	–	–	92135	–	▪	–	max. r = 10 m	–
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Occupancy detectors for KNX BUS for switching or dimming

Indoor 180-KNX	127	–	–	92892	–	▪	–	max. r = 10 m	for dimming
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Blinds for B.E.G. wall switches

- LUXOMAT® Indoor 180 – Part no. 33233



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



Indoor 180 with blind

- 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

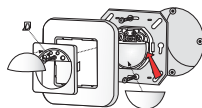
- LUXOMAT® Indoor 180 – Part no. 92294



- for adapting the detection area of the sensor to local conditions by masking the lens partially

Protection against vandalism for Indoor 180

- LUXOMAT® Protection against vandalism – Part no. 92018



- Protection of the potentiometer cap against unwanted removing

- Blinds allow the detection area of the detector 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 24mm

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



L 50 x W 22 x H 10mm

Installation instructions - RC suppressor:

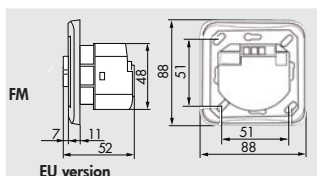
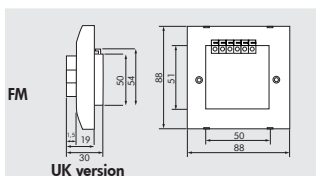
- The RC suppressors supplied by B.E.G. provide any necessary suppression of interferences for your lighting installation. For technical reasons, voltage peaks when switching inductive loads (e.g. conventional ballasts), especially in combination with long cables, can lead to unexpected operation of ceiling or occupancy detectors.
- For large installations where many electronic ballasts are controlled in parallel, the use of RC suppressors is recommended. An efficient suppression of interferences is achieved when the RC suppressor is installed near the source of interference.

LUXOMAT® Indoor 140-L



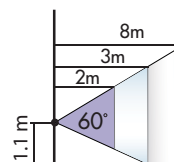
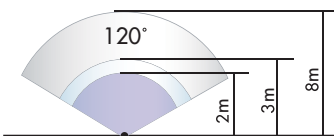
EU version

UK version



TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx. 0.4 W
Night light: approx. 0.8 W
- 120°
- 3 m towards, 8 m across
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 2000 W, cos φ = 1
1000 VA, cos φ = 0.5
- NO contact with tungsten pre-make contact
- 15 sec - 30 min
- 10 - 2000 Lux



- Walking across
- Walking towards
- Smaller movements

PRODUCT INFORMATION

- Wall-mounted occupancy detector with integrated pushbutton
- One channel for switching light (selectively main light or orientation light)
- Integrated downlight with the function of an orientation or a night light
- Extension of the detection range possible by using up to 5 other Indoor 140-L
- Can be used as either Master device or Slave device
- Please order coverings for EU version separately; available in various colours

▶ Wiring diagrams on page 152!

Description	Colour	Part number
Indoor 140-L covering included (UK version)	white	94327
Indoor 140-L covering not included (European version)	-	94325
Indoor 140-L covering included (European version)	pure, glossy, RAL 9010	94328
Accessory		
Covering IP20	antracit, matt, RAL7021	94341
Covering IP20	pure white, glossy, RAL 9010	94342
Covering IP20	pure white, matt, RAL 9010	94343
Covering IP20	cream white, matt, RAL9001	94344
Centre plate 63x63 mm	pure white, matt, RAL 9010	94345
Centre plate 55x55 mm	pure white, glossy, RAL 9010	94346

LUXOMAT® Indoor 180-R

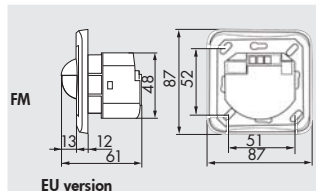
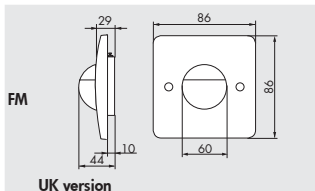


EU version



EU version

UK version



PRODUCT INFORMATION

- Wall motion detector with acoustic sensor
- Relay version with three-wire technology
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Available with covering (centre plate dimensions 60x60 mm) or without covering for use with covering (centre plate dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes
- Push button manual switching available

TECHNICAL DATA

110 - 240 V AC 50 / 60 Hz

approx. 0.5 W

180°

max. 10 m

IP20 / Class II

-25 °C to +50 °C

Polycarbonate, UV-resistant

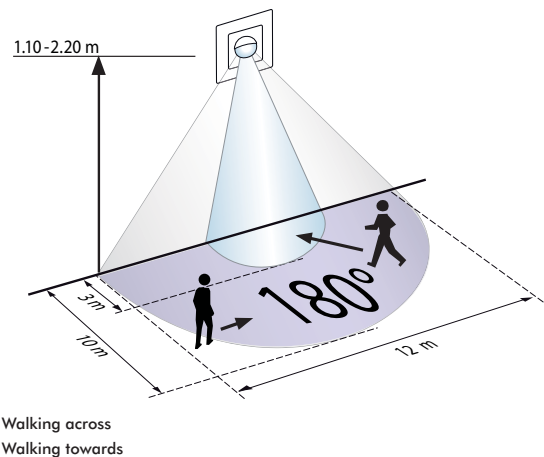
Channel 1 (lighting control)

2300 W, $\cos \varphi = 1$

1150 VA, $\cos \varphi = 0.5$

15 sec - 16 min, pulse

10 - 2000 Lux



- Walking across
- Walking towards

▶ Wiring diagrams on page 152!

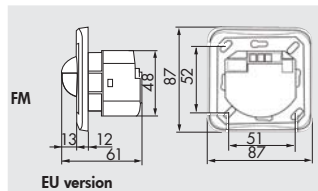
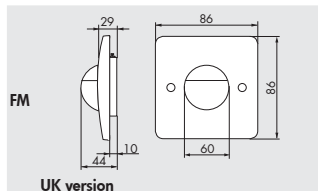


Description	Colour	Part number
Indoor 180-R, covering included (UK version)	pure white, RAL 9010	92610
Indoor 180-R, covering included (European version)	pure white, RAL 9010	92623
Indoor 180-R, covering not included (European version)	-	92665
Accessory		
Protection against unwanted removing Indoor 180	-	92018
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127

LUXOMAT® Indoor 180-T



UK version

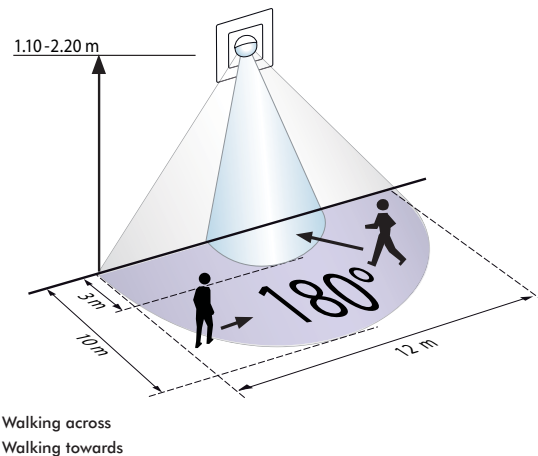


UK version

EU version

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx. 1.3 W
- 180°
- max. 10 m
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- 300 W / min. 40 W, cos φ = 1
- 15 sec - 16 min, pulse
- 10 - 2000 Lux



- Walking across
- Walking towards

► Wiring diagrams on page 152!



PRODUCT INFORMATION

- Wall motion detector with acoustic sensor
- Triac version with 2-wire technology, no neutral
- Acoustic sensor independently adjustable
- Only for resistive loads
- Noise automatically extends follow-up time
- Available with frame (centre plate dimensions 60x60 mm) or without frame for use with covering (centre plate dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes

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		
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Protection against unwanted removing Indoor 180	-	92018
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127

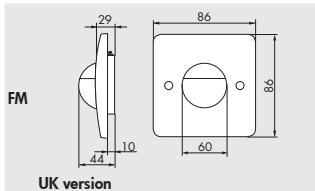
LUXOMAT® Indoor 180 R-2W



UK version

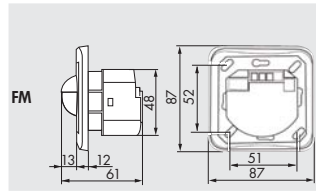


EU version



FM

UK version



FM

i PRODUCT INFORMATION

- Wall motion detector with acoustic sensor
- Relay version with 2-wire technology thanks to inbuilt battery
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Including surround (interior cover dimensions 60 x 60 mm)

■ TECHNICAL DATA

~ 110 - 240 V AC 50 / 60 Hz
 5 x NiMH / 30 AAAA
 1.2 V / 200 mAh

⏻ < 1.0 W

☂ 180°

➤ max. 10 m

IP IP20 / Class II

🌡 +5 °C to +45 °C

📦 Polycarbonate, UV-resistant

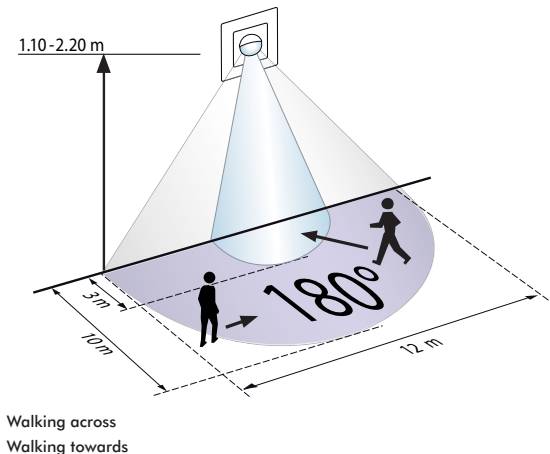
Channel 1 (lighting control)

⚡ 2300 W, cos φ = 1

⚡ **180-R/2W-UK** 3000 W, cos φ = 1

🕒 15 sec - 16 min, pulse

☀ 10 - 2000 Lux



- Walking across
- Walking towards

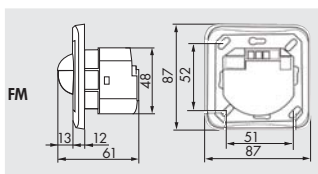
▶ Wiring diagrams on page 152!

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		
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Protection against unwanted removing Indoor 180	-	92018
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127

LUXOMAT® Indoor 180-R-11-48V



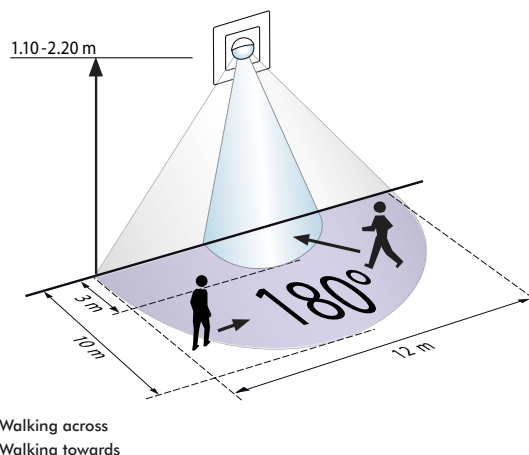
EU version



FM

■ TECHNICAL DATA

- 11 - 48 V AC / DC
- approx. 1 W
- 180°
- max. 10 m
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1**
- 3A version:** 3 A cos φ = 1
- RR version:** with Reed-Relay, 100 mA, cos φ = 1
- 15 sec - 16 min, pulse
- 10 - 2000 Lux



- Walking across
- Walking towards

▶ Wiring diagrams on page 152!

PRODUCT INFORMATION

- Wall motion detector with acoustic sensor, operating voltage 11-48 V
- One potential-free switching channel
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Available with frame (interior cover dimensions 60x60mm) or without frame for use with faceplate (interior cover dimensions 50x50mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes
- Manual switching via push-button possible

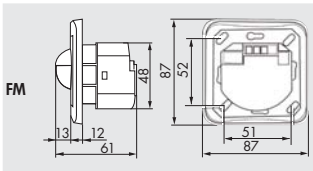
Description	Colour	Part number
Indoor 180-R-11-48V-3A covering included	white	92621
Indoor 180-R-11-48V-3A covering not included	-	92666
Indoor 180-R-11-48V-RR covering not included	-	92667
Accessory		
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Protection against unwanted removing Indoor 180	-	92018
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127

LUXOMAT® Indoor 180-SC



EU version

EU version

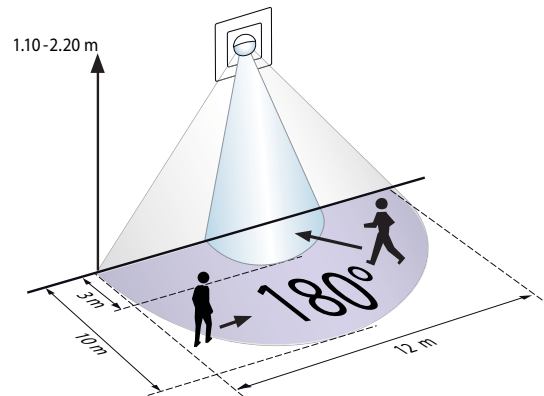


i PRODUCT INFORMATION

- Wall motion detector designed for stair light timer switches
- Triac version with 2-wire technology, no neutral
- Available with frame (centre plate dimensions 60x60 mm) or without frame for use with covering (centre plate dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes
- Guarantees correct operation with the SCT1 (max. 10 detectors per unit)

■ TECHNICAL DATA

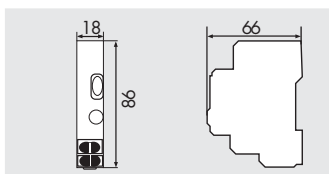
- ~ 110 - 240 V AC 50 / 60 Hz Power supply via staircase switch (230 V)
- ⏻ approx. 1 W
- ☞ 180°
- 📏 max. 10 m
- IP IP20 / Class II
- 🌡️ -25 °C to +50 °C
- 📦 Polycarbonate, UV-resistant
- ⚡ max. 200 mA / 230 V
- 🕒 Impulse duration: 0.1 s, Suppression of light level threshold 1 min - 10 min
- ☀️ 10 - 2000 Lux










- ☑ Walking across
- ☑ Walking towards

▶ Wiring diagrams on page 152!

Description	Colour	Part number
Indoor 180-SC frame included	pure white, RAL 9010	92650
Indoor 180-SC frame not included	-	92668
Accessory		
SCT1	grey	92655
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Protection against unwanted removing Indoor 180	-	92018
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127

LUXOMAT® SCT1

■ TECHNICAL DATA

-  230 V AC +/- 10 % 50 Hz
-  < 0.75 W
-  IP20 / Class II
-  -25 °C to +50 °C
-  Polycarbonate, UV-resistant
-  2300 W/10 A, $\cos \varphi = 1$, 3 or 4-wire circuit, max. 100 mA in standby mode for illuminated switches with glow lamps
- Contact NO
-  30 sec - 10 min

► Wiring diagrams on page 152! 

 PRODUCT INFORMATION

- Stair light timer switch designed for use with Indoor 180-SC or for pushbuttons
- 1 slot when mounted on DIN rails
- Manual switch for timer or constant light operation
- For follow-up times of more than 2 min there is a warning (1 s light off) 30 s before finally switching off the light
- Time of operation can be extended with additional button press

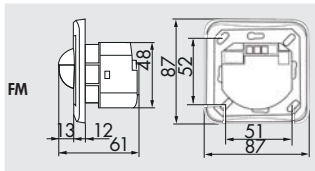
Description	Colour	Part number
SCT1	grey	92655
Accessory		
Indoor 180-SC frame included	pure white, RAL 9010	92650
Indoor 180-SC frame not included	-	92668

LUXOMAT® Indoor 180-M-2C



EU version

EU version



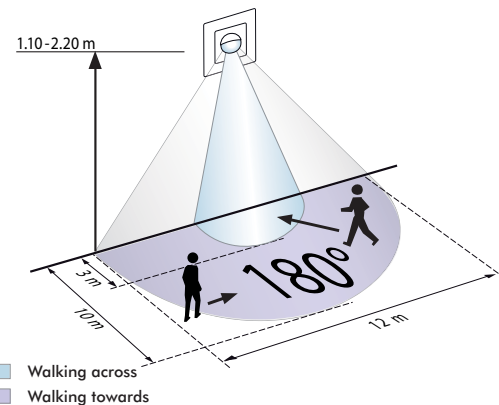
FM

PRODUCT INFORMATION

- Wall occupancy detector with acoustic sensor, as master-device
- One switching channel for operating the light
- One additional potential-free contact for HVAC
- Detection area can be extended with Slave devices
- Available with frame (centre plate dimensions 60x60 mm) or without frame for use with covering (centre plate dimensions 50x50 mm) in 5 different colours
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- Suitable (with adapter) for all common flush-mounted switch makes
- Factory settings 10 min and 500 Lux

TECHNICAL DATA

- ~ 110 - 240 V AC 50 / 60 Hz
 - ⏻ approx. 1.1 W
 - 📡 180°
 - 📏 max. 10 m
 - ⚠ Mandatory mounting height 2.2 m
 - IP IP20 / Class II
 - 🌡 -25 °C to +50 °C
 - 📦 Polycarbonate, UV-resistant
 - 📶 IR-Adapter for Smartphones, IR-PD-2C, IR-PD-Mini
- Channel 1 (lighting control)**
- 💡 2300 W, cos φ = 1
 - ⚡ 1150 VA, cos φ = 0.5
 - 🕒 15 sec - 30 min, pulse
 - ☀ 10 - 2000 Lux
- Channel 2 (HVAC control potential free)**
- 🔌 Dry contact type NO, 3A, 230 V, cos φ = 1
 - 🕒 5 min - 120 min, pulse, alarm pulse



▶ Wiring diagrams on page 152!

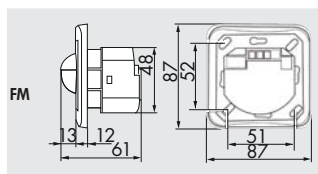
Description	Colour	Part number
Indoor 180-M-2C frame included	white	92136
Indoor 180-M-2C frame not included	-	92661
Accessory		
IR-PD-2C	grey	92475
IR-PD-Mini	grey	92159
IR-Adapter for Smartphones	black	92726
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Protection against unwanted removing Indoor 180	-	92018
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127

LUXOMAT® Indoor 180-S



EU version

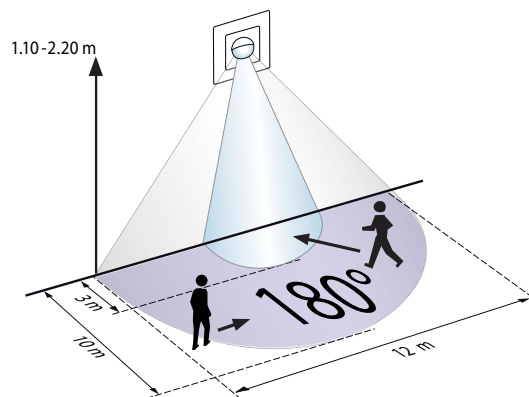
EU version



FM

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx. 0.3 W
- 180°
- max. 10 m
- IP20 / Class II
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- Pulse interval 9 s



- Walking across
- Walking towards

PRODUCT INFORMATION

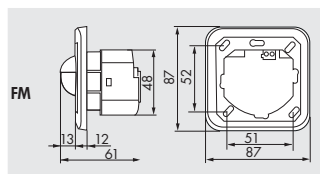
- Slave device
- For extending the detection area of a Master device
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G
- Available with frame (centre plate dimensions 60x60 mm) or without frame for use with covering (centre plate dimensions 50x50 mm) in 5 different colours
- Suitable (with adapter) for all common flush-mounted switch makes

Description	Colour	Part number
Indoor 180-S covering included	pure white, RAL 9010	92135
Indoor 180-S covering not included	-	92660
Accessory		
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139
Protection against unwanted removing Indoor 180	-	92018
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127

LUXOMAT® Indoor 180-KNX



EU version

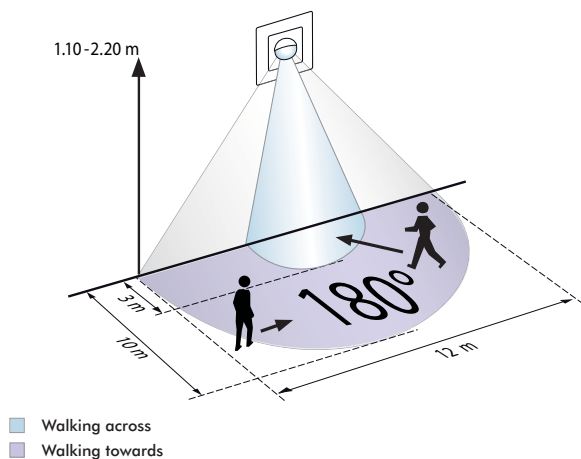


i PRODUCT INFORMATION

- KNX wall occupancy detector with integrated KNX bus connector
- When using the product database B.E.G._Praesenzmelder_928xx_V5.0, the following operation modes are available:
 1. Full automatic mode
 2. Semi-automatic mode
 3. Slave mode
 4. Occupancy-independent regulating mode
- Up to three additional switching channels – selectively either daylight-depending or not
- Set 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 covering (interior cover dimensions 50x50 mm) in 5 different colours

■ TECHNICAL DATA

- 24 V DC from KNX BUS
- 7 mA
- 180°
- Mandatory mounting height 2.2 m
- max. 10 m
- IP20 / Class II
- 25 °C to +55 °C
- Polycarbonate, UV- resistant
- For integration in KNX BUS systems**
- 5 - 1200 Lux



▶ Wiring diagrams on page 152!

Description	Colour	Part number
Indoor 180-KNX, covering not included	-	92892
Accessory		
Indoor 180 socket for wallmounting, IP44	pure white, RAL 9010	92141
Protection against unwanted removing Indoor 180	-	92018
Centre plate for modular push button (angled corners)	pure white, RAL 9010	35126
Centre plate for modular push button (rounded corners)	pure white, RAL 9010	35127
Covering IP20	pure white, RAL 9010	92630
Covering IP20	oyster white, RAL1013	92632
Covering IP20	steel, RAL 9006	92633
Covering IP20	anthracite, RAL 7021	92634
Covering IP20	traffic white, RAL 9016	92631
Frame IP54 for Indoor 180, white	pure white, RAL 9010	92139

Saving energy through twilight-dependent light switching



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

Automatically switching lights

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

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

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

Saving energy with lights!

Overview of photo electric switches and constant light controls

Photo electric switch	Part no.	Page	Surface mounting	Ceiling mounting	Post mounting	Device installation	DIN-rail	Remote control-capable	Switching power	Time delay
CdS-T-SM	92367	130	▪	–	–	–	–	▪	2300 W	–
CdS-DALI/DSI-FC	92562	131	–	▪	–	–	–	▪	2300 W	▪
CdS-DALI/DSI-SM	92563	131	▪	–	–	–	–	▪	2300 W	▪
CdS-DIM-FC	92589	132	–	▪	–	–	–	▪	2300 W	▪
CdS-SM	92369	133	▪	–	▪	–	–	–	2300 W	▪
CdS-FC	92249	134	–	▪	–	–	–	▪	2000 W	▪
CdS-R	92365	135	–	–	–	▪	–	–	1000 W	▪
TS-DD	92681	136	–	–	–	–	▪	–	1000 W	▪
MiniClip LR1	92320	137	–	–	–	–	–	–	–	–










LUXOMAT® CdS-T-SM



SM

■ TECHNICAL DATA

-  110 - 240 V AC 50 / 60 Hz
-  IP54 / Class II / CE
-  -25 °C to +50 °C
-  Polycarbonate, UV-resistant
-  IR-Adapter for Smartphones, IR-CdS-T
- Channel 1 (lighting control)**
-  2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
-  2 - 300 Lux

i PRODUCT INFORMATION

- Remote control-capable CdS-T-SM photocell with integrated timer
- Energy-saving period may be programmed with the integrated timer by the touch of a button
- Inputting the current light value by the touch of a button
- Infrared remote control included

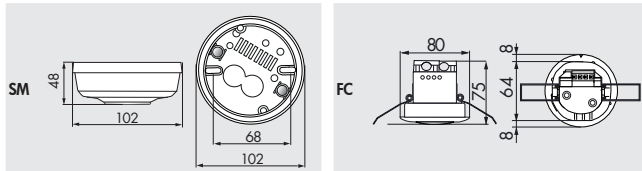
▶ Wiring diagrams on page 152! 

Description	Colour	Part number
CdS-T-SM	white	92367
Accessory		
IR-Adapter for Smartphones	black	92726
IR-CdS-T	white	92368

LUXOMAT® CdS-DALI/DSI-SM/-FC



SM



■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- FC= IP20 SM= IP54 / Class II / CE
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-CdS
- Channel 1 (lighting control)**
- 2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
- up to 50 DALI / DSI EB
- 10 - 2000 Lux
- automatically
- 1 min - 30 min

i PRODUCT INFORMATION

- Remote control-capable photo electric switch with DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Relay contact for completely switching off electronic ballasts
- Illumination can be dimmed to a desired brightness value. Actual light value can be read and delay time can be set using the optional infrared remote control IR-CdS
- Constant light regulation
- Dynamic switch-on delay

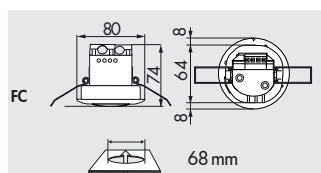
► Wiring diagrams on page 152!

Description	Colour	Part number
CdS-DALI/DSI-SM	white	92563
CdS-DALI/DSI-FC	white	92562
Accessory		
IR-CdS	white	92577
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® CdS-DIM-FC



FC



FC

■ TECHNICAL DATA

- 110 - 240 V AC , 50/60 Hz
- IP20 / Class II / CE
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-CdS
- Channel 1 (lighting control)**
- 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
- 10 - 2000 Lux
- 1-10 V DC, up to 50 EB
- automatically
- 1 min - 30 min

i PRODUCT INFORMATION

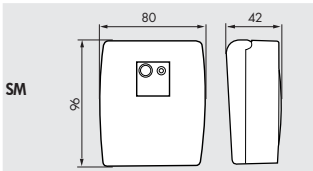
- Remote control-capable, photo electric switch with ability to dim, for ceiling mounting
- Illumination can be dimmed to a desired brightness value. Actual light value can be read and delay time can be set using the optional infrared remote control IR-CdS.
- For group operation of up to 50 EB
- Constant light regulation
- Dynamic switch-on delay

▶ Wiring diagrams on page 152!



Description	Colour	Part number
CdS-DIM-FC	white	92589
Accessory		
IR-CdS	white	92577
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® CdS-SM



■ TECHNICAL DATA

110 - 240 V AC 50 / 60 Hz

IP54 / Class II / CE

-25 °C to +50 °C

Polycarbonate, UV-resistant

Channel 1 (lighting control)

2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$

2 - 1000 Lux

1 sec - 120 sec

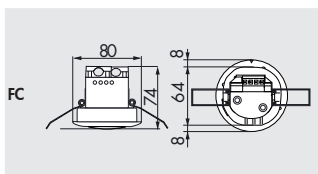
PRODUCT INFORMATION

- Photo electric switch for automatically switching
- Switch-on and switch-off delay with self-learning switch-off light value
- Integrated automatic function (10 Lux / 40 sec. activation / 120 sec. deactivation delay)
- LED adjustment support (without delay) for adjusting the twilight value
- Light value and activation/deactivation delay may be set from the outside using the potentiometer
- Double cable inlet from underneath possible
- Wall and mast installation

▶ Wiring diagrams on page 152!

Description	Colour	Part number
CdS-SM	white	92369

LUXOMAT® CdS-FC



TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- IP20 / Class II / CE
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- IR-Adapter for Smartphones, IR-CdS-FP
- Channel 1 (lighting control)**
- 2000 W, cos φ = 1
1000 VA, cos φ = 0.5
- 10 - 2000 Lux
- ON approx. 8 s
- OFF approx. 40 s

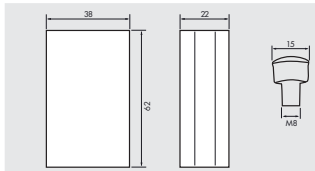
PRODUCT INFORMATION

- Remote control-capable photo electric switch
- Extra slim form – only 6 mm high
- Adjustable switch-off delay with self-learning switch-off and twilight value

▶ Wiring diagrams on page 152!

Description	Colour	Part number
CdS-FC	white	92249
Accessory		
IR-CdS-FP	white	92396
IR-Adapter for Smartphones	black	92726

LUXOMAT® CdS-R



■ TECHNICAL DATA

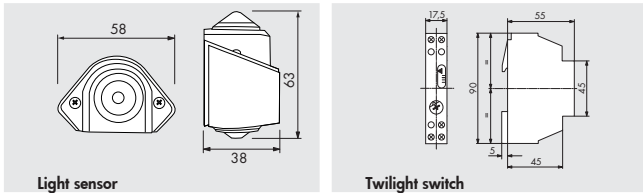
- 110 - 240 V AC 50 / 60 Hz
- Housing IP20 / Light sensor IP54 / Class II / CE
- 25 °C to +50 °C
- Polycarbonate, UV-resistant
- 1000 W, cos φ = 1
350 VA, cos φ = 0,4
- 2 - 100 Lux
- 10 sec - 15 sec

i PRODUCT INFORMATION

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

Description	Colour	Part number
CdS-R	white	92365

LUXOMAT® TS-DD



■ **TECHNICAL DATA**

- 230 V AC +/- 10 % 50 Hz
- Light sensor** IP54 / Class II / CE
- 35 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
- Incandescent lamps 1000 W, cos φ = 1
- Fluorescent tube compensated 600 W
- Halogen lamp 450 W
- 1 - 100 Lux / 50 - 1000 Lux

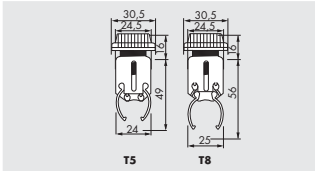
► Wiring diagrams on page 152!

i **PRODUCT INFORMATION**




- Photo electric switch for DINrail
- LED adjustment support (without delay) for adjusting the twilight value
- Electronic component for installation in branches for comfortable settings from switch cabinets
- Switches off at around 1.3 times the activation value
- Separate light sensor for surface or flush installation (included)

Description	Colour	Part number
TS-DD	white	92681

LUXOMAT® MiniClip LR1



■ TECHNICAL DATA

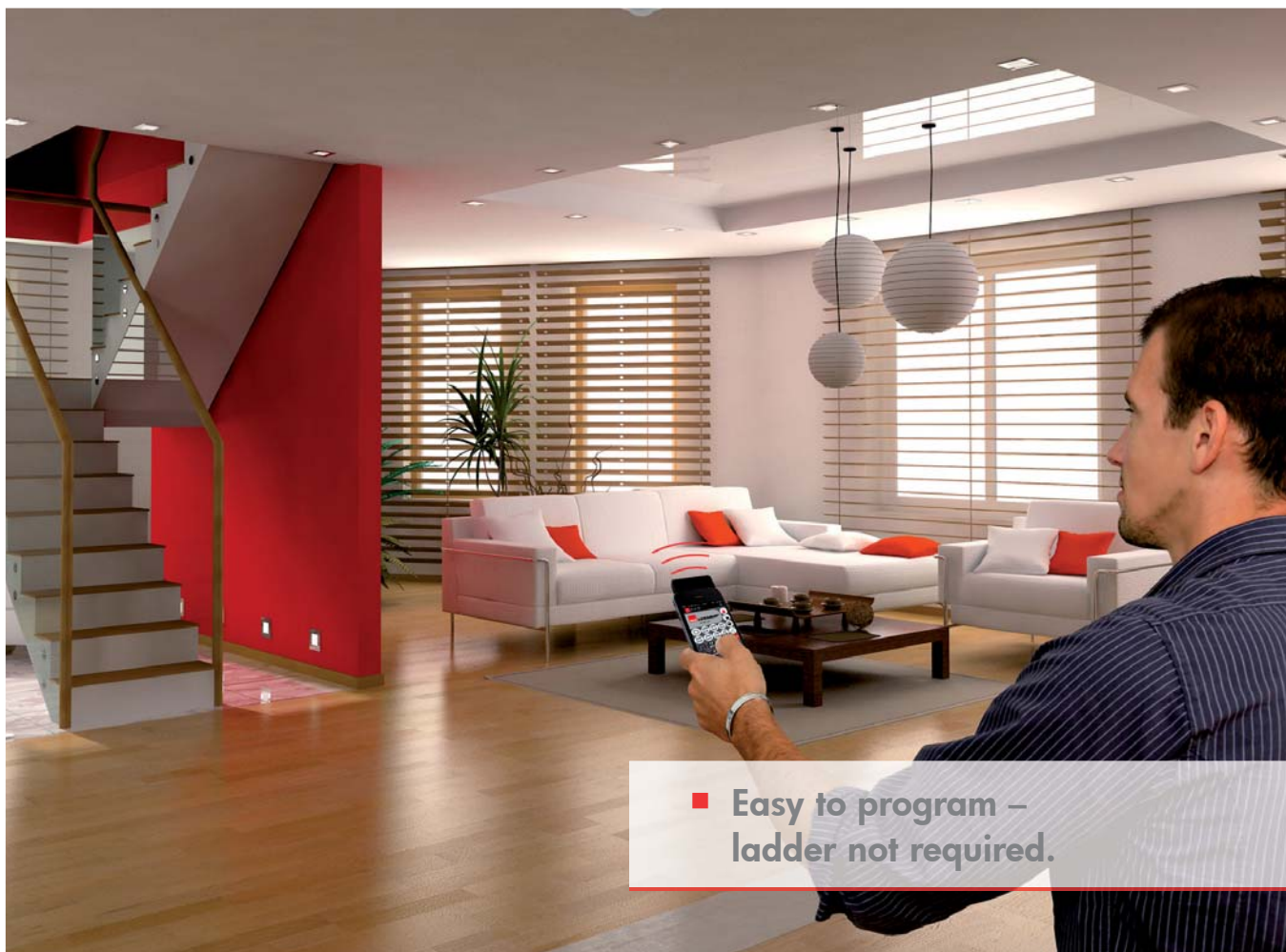
- IP IP20 / Class II / CE
-  0 °C to +50 °C
- Polycarbonate, UV-resistant
- Channel 1 (lighting control)**
-  400 - 1500 Lux
-  1-10 V DC, up to 50 EB

i PRODUCT INFORMATION

- MiniClip LR1 light sensor with mixed light measurement for constant light control, to be clipped on to the T5 and T8 fluorescent lamps
- It provides a direct current ranging from around 1 to 10 V DC proportionate to the measured light value which is used to govern electronically controllable electronic ballasts.
- Continuous dimming is used to implement constant light control for room lights that adapt to the amount of daylight.
- The light value to be kept constant in the room may be set by turning the knurled sensor cap.

Description	Colour	Part number
Mini-Clip LR1	white	92320

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 potentiometers.

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 remote control-capable detectors has a compatible remote control unit with custom functions.

In addition to the „large“ remote controls, B.E.G. offers mini remote controls for end users. The mini remote controls have a light on/off button. Therefore, a separate wall switch is not necessary.

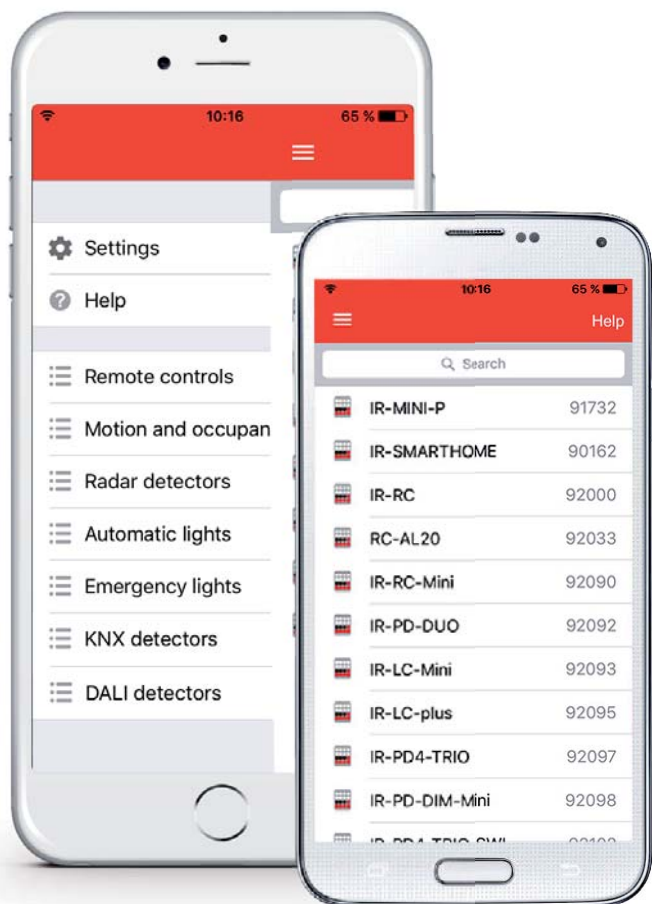
B.E.G.’s new remote control app makes things even more easy: all you need is a compatible Smartphone, the app (downloadable in the respective store) and the B.E.G. IR-Adapter for Smartphones.

Overview of remote controls for motion and occupancy detectors

Remote control	Part no.	Page	RC-plus next	LC-plus 280	PD1N	PD2	PD3N	PD4	PD5	PD9	PICO	PD11	Indoor 180	CdS
IR-RC	92000	143	-	-	-	-	-	-	-	-	-	-	-	-
IR-RC-LD	92649	143	-	-	-	-	-	-	-	-	-	-	-	-
IR-RC-Mini	92090	143	-	-	-	-	-	-	-	-	-	-	-	-
IR-LC-plus	92095	143	-	-	-	-	-	-	-	-	-	-	-	-
IR-LC-Mini	92093	144	-	-	-	-	-	-	-	-	-	-	-	-
IR-PD3N	92105	144	-	-	-	-	PD3N-1C-NO-PF PD3N-1C (Micro) PD3N-2C	PD4N-1C PD4N-1C-C	-	-	-	-	-	-
IR-PD3N-2C	92115	144	-	-	-	-	-	-	-	-	-	-	-	-
IR-PD (devices before 2011)	92160	144	-	-	PD1-M-2C	PD2-M-1C PD2-M-2C	-	PD4-M-1C PD4-M-2C PD4-M-2C-C	-	-	-	-	-	-
IR-PD	92160	144	-	-	-	-	-	-	PD5-M-1C	-	-	-	-	-
IR-PD-Mini	92159	145	-	-	PD1N-M-2C	PD2-M-1C PD2-M-2C	-	PD4-M-1C PD4-M-1C-GH PD4-M-2C	PD5-M-1C	PD9-M-1C(-GH) PD9-M-1C-SDB-IP65(-GH)	-	-	Indoor 180-M-2C	-
IR-PD-1C	92520	145	-	-	-	PD2-M-1C	-	PD4-M-1C PD4-M-2C-DS	-	PD9-M-1C (-GH)	PICO-M-1C	PD11-M-1C	-	-
IR-PD-2C	92475	145	-	-	PD1N-M-2C	PD2-M-2C	-	PD4-M-2C PD4-M-2C-C	-	PD9-M-2C	-	-	Indoor 180-M-2C	-
IR-PD-LD	92479	145	-	-	-	-	-	PD4-M-1C-GH	-	-	-	-	-	-
IR-PD9 (devices before 2011)	92201	146	-	-	-	-	-	-	-	PD9-M-1C (-GH) PD9-M-1C-SDB-IP65(-GH)	-	-	-	-
IR-PD-1C-E	92077	146	-	-	-	PD2-M-1C	-	PD4-M-1C PD4-M-1C-C PD4-M-2C-DS PD4-M-1C-PS PD4-M-TRIO-C-3P	-	PD9-M-1C (-GH) PD9-M-2C	PICO-M-1C	PD11-M-1C	-	-
IR-PD4-TRIO SWI	92102	147	-	-	-	-	-	PD4-M-3C-TRIO	-	-	-	-	-	-
IR-PD-DUO	92092	147	-	-	-	-	-	PD4-M-2C-DUO	-	-	-	-	-	-
IR-PDim	92200	147	-	-	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	147	-	-	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	148	-	-	-	-	-	PD4-M-TRIO-DIM	-	-	-	-	-	-
IR-PD-DIM-HKL	92114	148	-	-	-	-	-	PD4-M-DIM-HVAC	-	PD9-M-DIM-HVAC	-	-	-	-
IR-PD-DALI-Mini	92112	148	-	-	-	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	-	-	-	-
IR-PD-DALI	92094	148	-	-	-	PD2-M-DALI/ DSI	-	PD4-M-DALI/DSI PD4-M-DALI/DSI-C PD4-M-DUO-DALI	-	PD9-M-DALI/DSI	-	-	-	-
IR-PD-DALI-LD	92652	149	-	-	-	PD2-M-DALI/ DSI	-	PD4-M-DALI/DSI PD4-M-DALI/DSI-C PD4-M-DUO-DALI	-	PD9-M-DALI/DSI	-	-	-	-
IR-PD4-TRIO-DALI	92104	149	-	-	-	-	-	PD4-M-TRIO-DALI	-	-	-	-	-	-
IR-PD-DALI-1C	92116	149	-	-	-	PD2-M-DALI/ DSI-1C	-	PD4-M-DALI/ DSI-1C	-	-	-	-	-	-
IR-PD-DALI-E	92122	149	-	-	-	PD2-M-DALI/ DSI	-	PD4-M-DUO-DALI PD4-M-DALI/DSI	-	PD9-M-DALI/DSI	-	-	-	-
IR-PD-KNX	92123	150	RC-plus next 230 KNX	-	-	PD2-KNX	-	PD4-KNX PD4-KNX-GH PD4-KNX-C	-	PD9-KNX(-GH)	-	PD11-KNX	-	-
IR-LTMS	92185	150	-	-	-	PD2N-LTMS and -RR	-	PD4N-LTMS-RR	-	-	-	-	-	-
IR-Adapter for smartphones	92726	150	■	■	■	■	■	■	■	■	■	■	■	■
IR-CdS-T	92368	150	-	-	-	-	-	-	-	-	-	-	-	CdS-T-SM
IR-CdS	92577	151	-	-	-	-	-	-	-	-	-	-	-	CdS-DALI/ DSI-SM CdS-DIM-FC
IR-CdS-FP	92396	151	-	-	-	-	-	-	-	-	-	-	-	CdS-FC
IR-PD-LON	92835	151	-	-	-	PD2N-LON	-	PD4N-LON	-	PD9N-LON	-	-	-	-



The new
B.E.G.
remote
control app



Available on the
App Store

GET IT ON
Google play

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

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

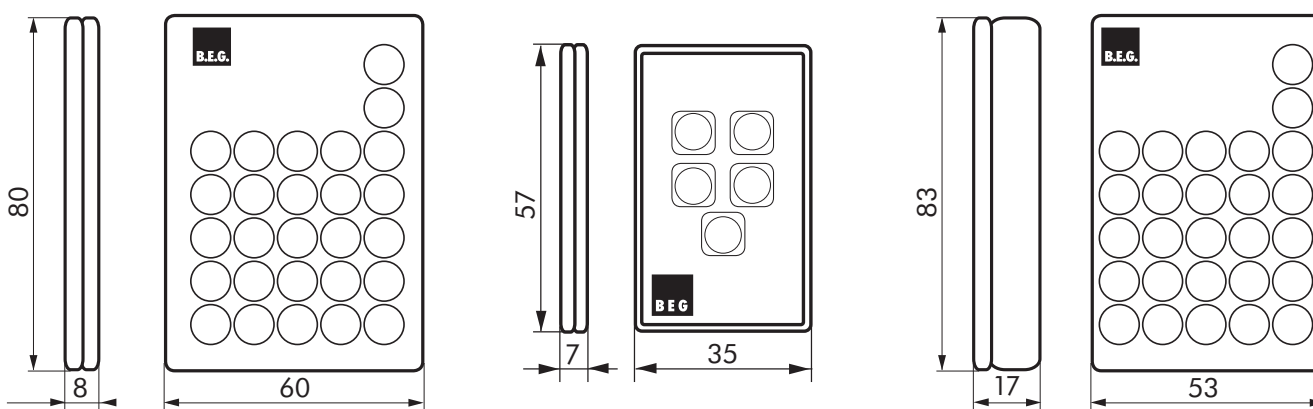
The app contains all current B.E.G. remote controls and therefore replaces more than 40 remote controls. The user-friendly navigation offers the possibility to search for the product to program or the respective remote control by name or part number. Therefore, the installer (or the user) quickly finds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

The required B.E.G. IR-Adapter for Smartphones is simply plugged into the audio jack of the smartphone and establishes the communication with the respective detector. The battery is environmentally friendly thanks to being rechargeable and is charged via USB cable.

General

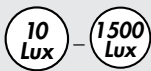
The following applies to all **B.E.G.** infrared remote controls:

- 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 D8mm (27 or 32 button),
L57 x W35 x D7mm (Mini),
L83 x W53 x D17mm (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		Follow-up time Adjustment for lighting (or, if installed, HVAC or orientation lighting) 15sec - 120 min (depending on model)
	Day mode Switching upon movement		Pulse function For sending a short pulse when motion is detected for about 1 second
	Twilight mode 1 Switching at about 100 Lux = starting to get dark		Orientation light Manual on and off for orientation lighting (predefined percentage or adjustable)
	Twilight mode 2 Switching at about 25 Lux = nearly dark		Orientation lighting ON/OFF
	Night mode Switching 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 set value



Determine switch-on 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



Anti-creep function

Switches 360° anti-creep zone on/off



Detector range

Modification of range by changing sensitivity +15% /-30%



Detector function

Change between motion detector and photo electric switch



Sensitivity Change

Between normal/high sensitivity



Permanent tamper protection

Permanent locking of detector; only the remote control ON/OFF function is active



100h function

For burn-in of lamps, dimming not possible



DSI-/DALI mode

Change between DSI and DALI: factory default is DALI



Semi-automatic/full automatic

Change of operation mode (if a number is mentioned, this number indicates the channel)



Lighting off

No movement sensing for 2 seconds afterwards: enables detection area to be vacated (a number is mentioned: additional function "choose channel" for light value setting)



Dimming

Define set value for Dali or dimming units, store with "eye" button (if applicable, also for orientation light setting 10-30%)



ON/OFF

Switches both channels simultaneously (= push button), also possible in double-locked mode



Channel preselection

For setting follow-up time and brightness value



ON/OFF

Switching of 1st and 2nd or 3rd channel (= push button) is possible even in tamper-protection mode



Detector function

Changes between mixed light and daylight measurement



Activation of the programming mode at the detector



Activation / Deactivation of the corridor function (time adjustable)

LUXOMAT® IR-RC



i SUITABLE FOR:

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

Description	Colour	Part number
IR-RC	white	92000

LUXOMAT® IR-RC-MINI



i SUITABLE FOR:

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

Description	Colour	Part number
IR-RC-Mini	white	92090

LUXOMAT® IR-RC-LD



i 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-LC-PLUS



i SUITABLE FOR:

- LC-plus 280

Description	Colour	Part number
IR-LC-plus	white	92095

LUXOMAT® IR-LC-MINI



SUITABLE FOR:

- LC-plus 280

Description	Colour	Part number
IR-LC-Mini	white	92093

LUXOMAT® IR-PD3N



SUITABLE FOR:

- PD3N-1C
- PD3N-1C-NO-PF-FC
- PD3N-1C-Acoustic
- PD4N-1C
- PD4N-1C-C

Description	Colour	Part number
IR-PD3N	grey	92105

LUXOMAT® IR-PD3N-2C



SUITABLE FOR:

- PD3N-2C

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

LUXOMAT® IR-PD



SUITABLE FOR:

- PD5-M-1C-Clip

Description	Colour	Part number
IR-PD	grey	92160

LUXOMAT® IR-PD-MINI



i SUITABLE FOR:

- PD1N-M-2C
- PD2-M-1C
- PD2-M-2C
- PD4-M-1C
- PD4-M-1C-C
- PD4-M-1C-C-PS
- PD4-M-1C-GH
- PD4-M-2C
- PD4-M-2C-C
- PD4-M-2C-DS
- PD4-M-2C-DUO
- PD4-M-TRIO-C-3P
- PD5-M-1C-Clip
- PD9-M-1C-GH
- PD9-M-2C-FC
- PD11-M-1C-FLAT
- PICO-M-1C
- Indoor 180-M-2C

Description	Colour	Part number
IR-PD-Mini	grey	92159

LUXOMAT® IR-PD-1C



i SUITABLE FOR:

- PD2-M-1C
- PD4-M-1C
- PD4-M-1C-C-PS
- PD4-M-1C-C
- PD4-M-2C-DS
- PD4-M-TRIO-C-3P
- PD9-M-1C
- PD9-M-1C-GH
- PD11-M-1C-FLAT
- PICO-M-1C

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

LUXOMAT® IR-PD-2C



i SUITABLE FOR:

- PD1N-M-2C
- PD2-M-2C
- PD4-M-2C
- PD4-M-2C-C
- PD9-M-2C-FC
- Indoor 180-M-2C

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

LUXOMAT® IR-PD-LD

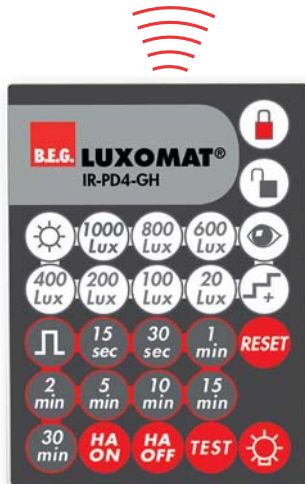


i SUITABLE FOR:

- PD4-M-1C-GH

Description	Colour	Part number
IR-PD-LD	grey	92479

LUXOMAT® IR-PD4-GH



SUITABLE FOR:

- PD4-M-1C-GH

Description	Colour	Part number
IR-PD4-GH	grey	92215

LUXOMAT® IR-PD9



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-3C



SUITABLE FOR:

- PD4-M-3C-TRIO

Description	Colour	Part number
IR-PD4-TRIO-3C	grey	92102

LUXOMAT® IR-PD-DUO



SUITABLE FOR:

- PD4-M-2C-DUO

Description	Colour	Part number
IR-PD-DUO	grey	92092

LUXOMAT® IR-PDIM



SUITABLE FOR:

- PD2-M-DIM
- PD4-M-DIM
- PD4-M-DUO-DIM
- PD5-M-DIM
- PD9-M-DIM
- PD9-M-DIM-GH

Description	Colour	Part number
IR-PDim	grey	92200

LUXOMAT® IR-PD-DIM-MINI

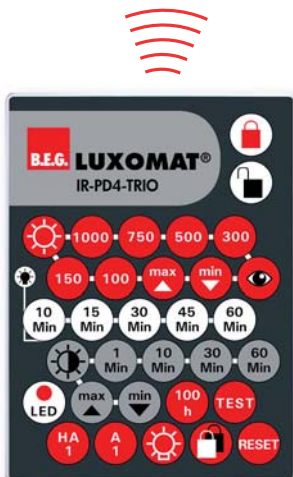


SUITABLE FOR:

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

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-DIM-HKL



SUITABLE FOR:

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

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

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

Description	Colour	Part number
IR-PD-DALI	grey	92094

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

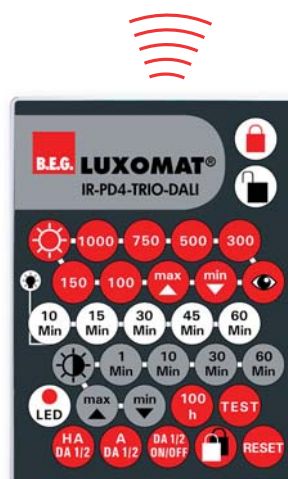


SUITABLE FOR:

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

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

LUXOMAT® IR-PD4-TRIO-DALI



SUITABLE FOR:

- PD4-M-TRIO-DALI

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

LUXOMAT® IR-PD-DALI-1C



SUITABLE FOR:

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

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

LUXOMAT® IR-PD-DALI-E



SUITABLE FOR:

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

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

LUXOMAT® IR-PD-KNX



SUITABLE FOR:

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

Description	Colour	Part number
IR-PD-KNX	grey	92123

LUXOMAT® IR-LTMS



SUITABLE FOR:

- PD2N-LTMS and -RR
- PD4N-LTMS-RR

Description	Colour	Part number
IR-LTMS	grey	92185

LUXOMAT® IR-ADAPTER



SUITABLE FOR:

- All detectors with receiving diode

Description	Colour	Part number
IR-Adapter for Smartphones	black	92726

LUXOMAT® IR-CdS-T



SUITABLE FOR:

- CdS-T-SM

Description	Colour	Part number
IR-CdS-T	white	92368

LUXOMAT® IR-CdS



SUITABLE FOR:

- CdS-DALI/DSI-SM
- CdS-DIM-FC

Description	Colour	Part number
IR-CdS	white	92577

LUXOMAT® IR-CdS-FP



SUITABLE FOR:

- CdS-FC

Description	Colour	Part number
IR-CdS-FP	white	92396

LUXOMAT® IR-PD-LON



i SUITABLE FOR:

- PD2N-LON
- PD4N-LON
- PD9N-LON

Description	Colour	Part number
IR-PD-LON	grey	92835

LUXOMAT® IR-PD-1C-E

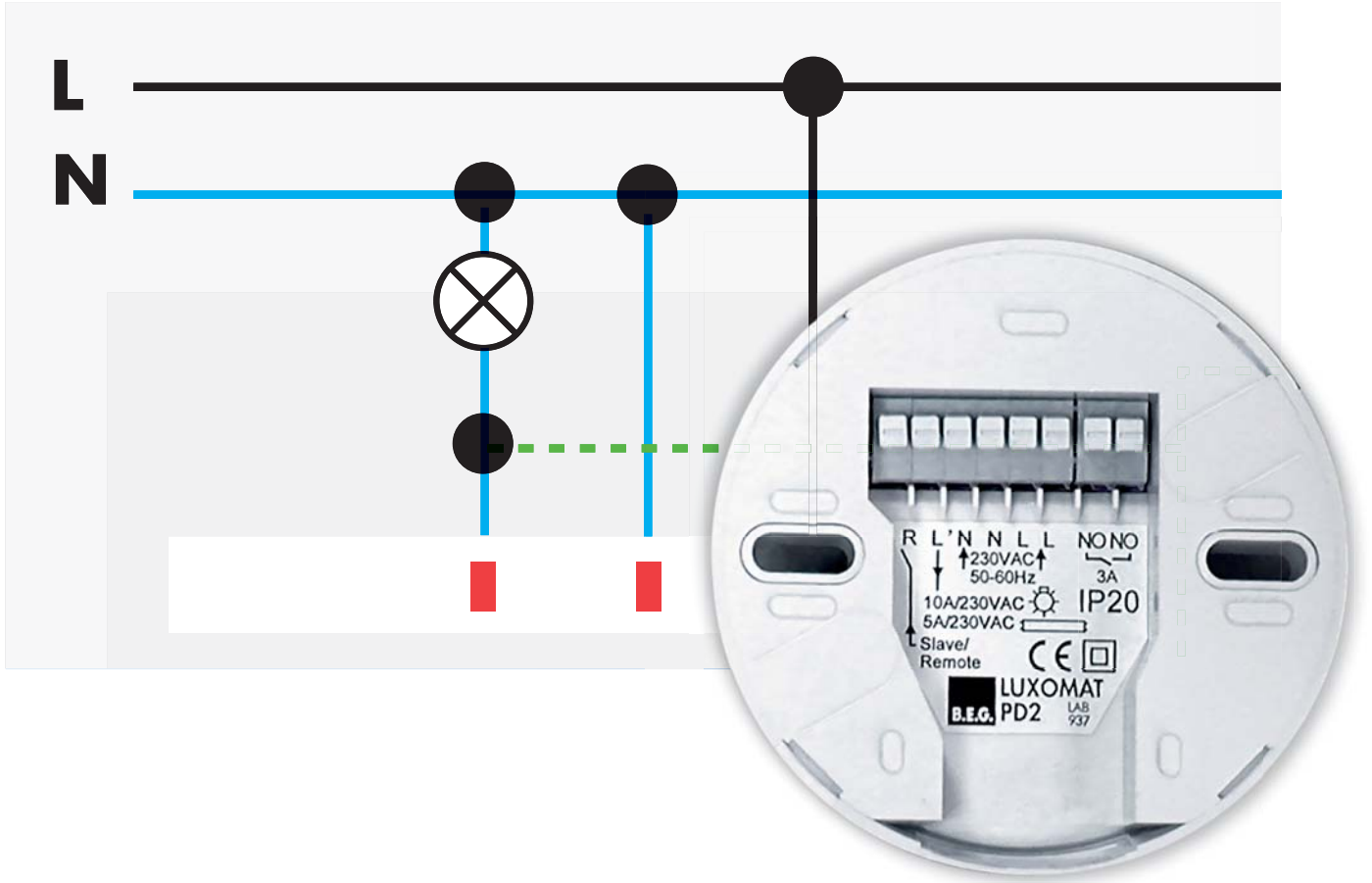


i SUITABLE FOR:

- PD2-M-1C
- PD4-M-1C
- PD4-M-1C-GH
- PD4-M-1C-C
- PD4-M-1C-C-PS
- PD9-M-1C
- PD9-M-1C-GH
- PICO-M-1C
- PD11-M-1C-FLAT

Description	Colour	Part number
IR-PD-1C-E	grey	92077

LUXOMAT® Schematics for electricians and consultants



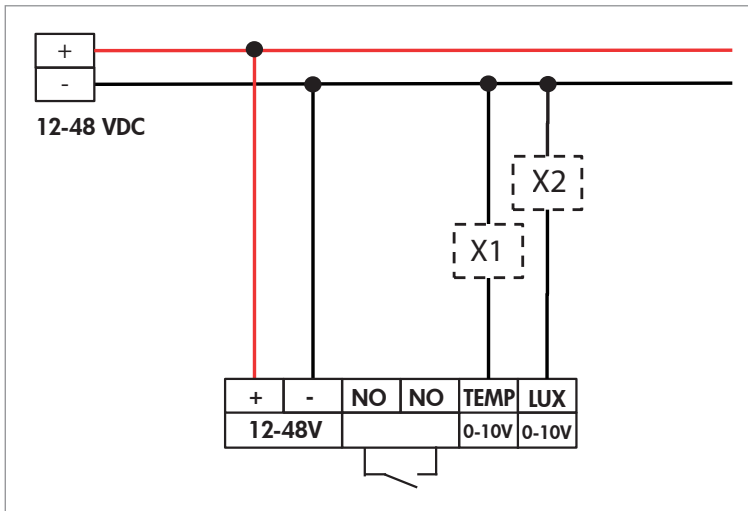
Top-quality products from B.E.G. – quickly and easily installed

B.E.G. quality goes far beyond perfect functioning and attractive design.

B.E.G. products are distinguished by simple installation and maintenance as through their versatility. The demands B.E.G. places on its products' quality and comfort starts with installation.

The developers at B.E.G. make sure that installation can be carried out with minimum effort. You can implement various switching variants. At the same time, German and European standards are complied with.

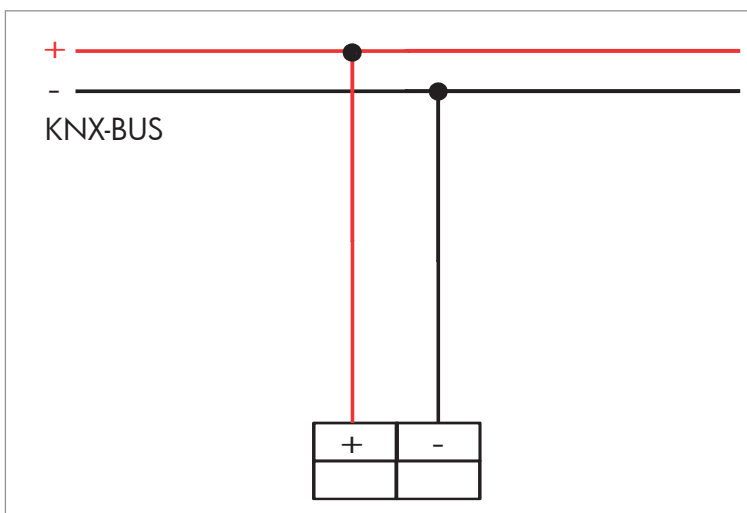
Standard mode with 12-48 V DC-occupancy detector



Wiring diagram for

- PD4N-LTMS-RR-FC
- PD2N-LTMS-RR-FC

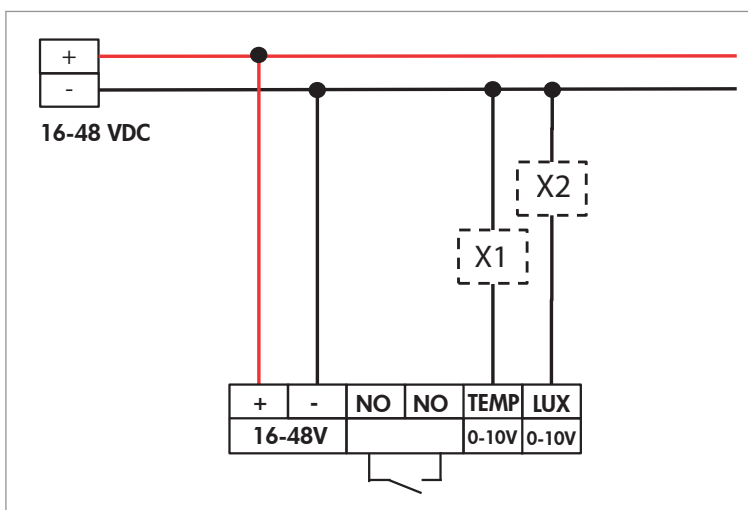
Standard mode with KNX-occupancy detector



Wiring diagram for

- RC-plus next 230 KNX
- PD2-KNX-SM/-FC/-FM
- PD4-KNX-SM/-FC/-FM
- PD4-KNX-GH-SM
- PD4-KNX-C-SM/-FC/-FM
- PD9-KNX-FC
- PD9-KNX-GH-FC
- PD11-KNX-FLAT-FC
- Indoor 180-KNX

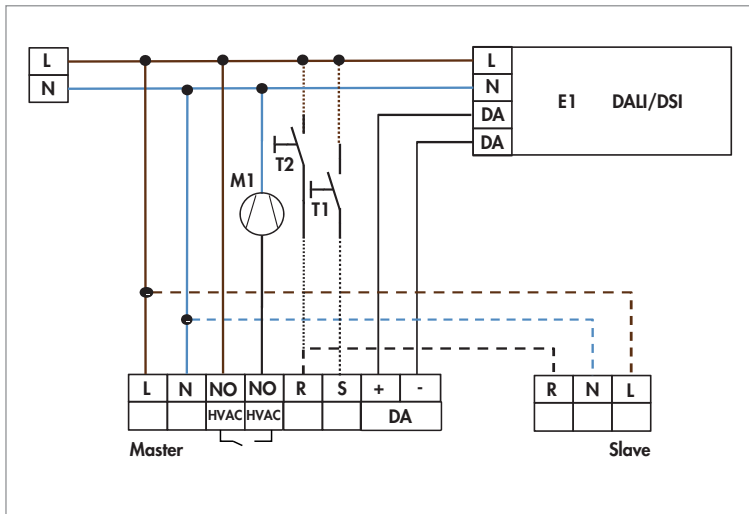
Standard mode with 16-48 V-occupancy detector



Wiring diagram for

- PD2N-LTMS-FC

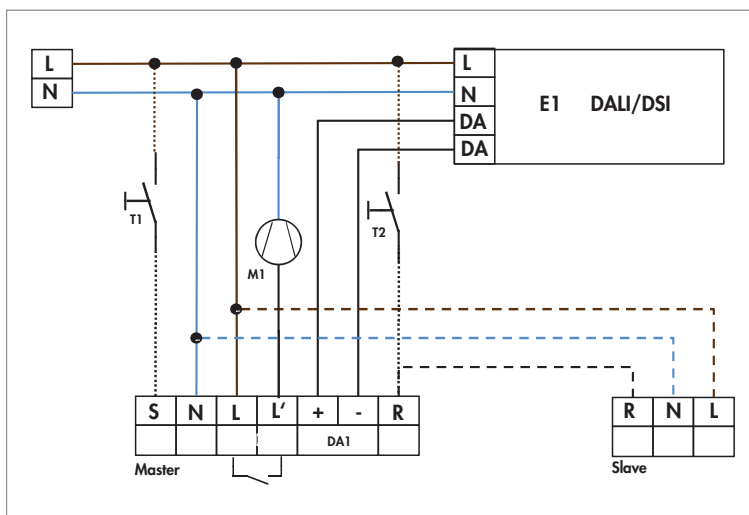
Standard mode with DALI/DSI-HVAC-occupancy detectors



Wiring diagram for

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

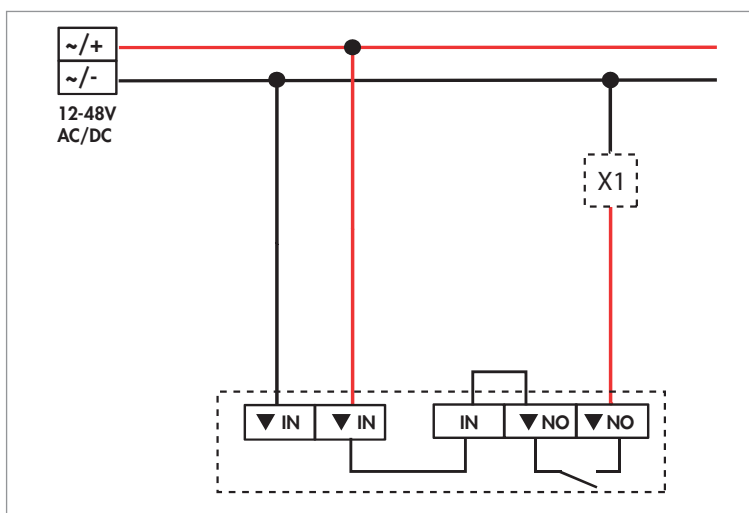
Standard mode with DALI/DSI-1C-occupancy detectors



Wiring diagram for

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

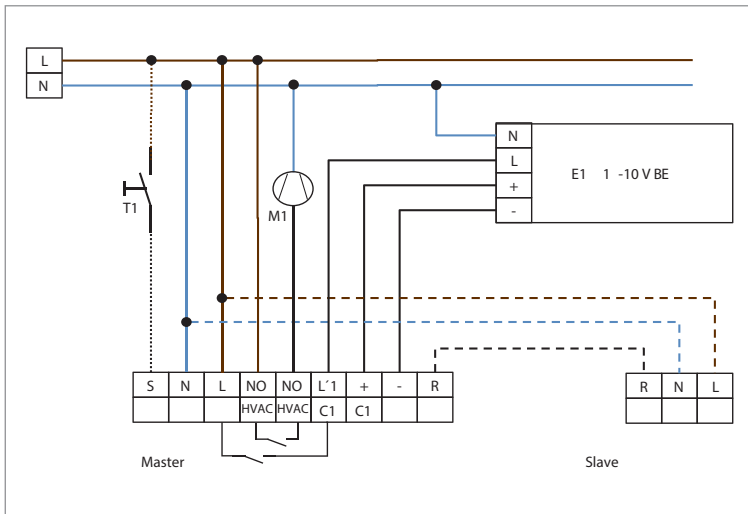
Standard mode with 1 channel-12-48 V-motion detector



Wiring diagram for

- PD9-1C-12-48V-FC

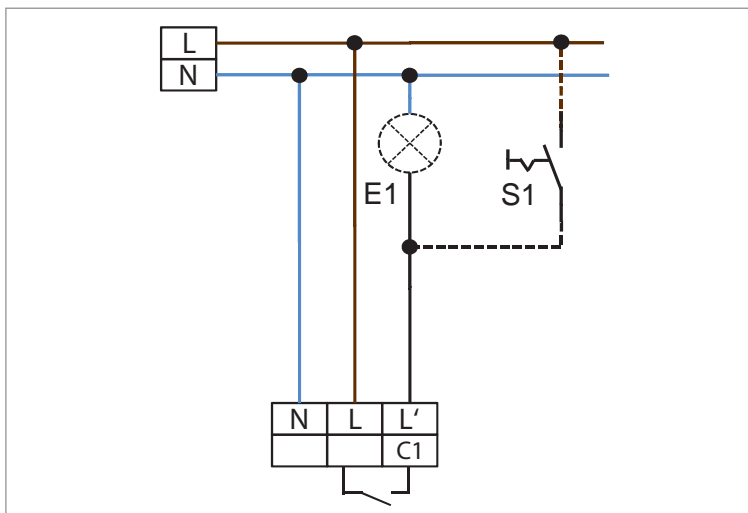
Standard mode with Master-DIM-occupancy detectors



Wiring diagram for

- PD4-M-DIM-HVAC-3A-FC
- PD4-M-DIM-HVAC-16A-FC

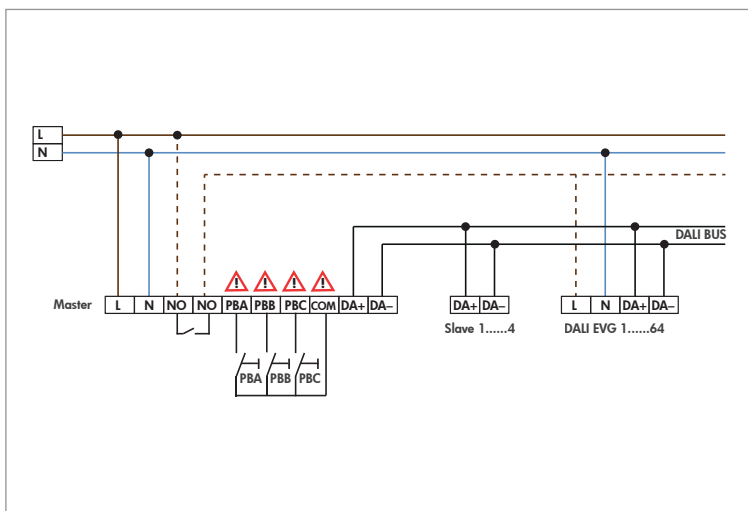
Standard mode with 1 channel-photo electric switches



Wiring diagram for

- CdS-T-SM
- CdS-SM/-FC

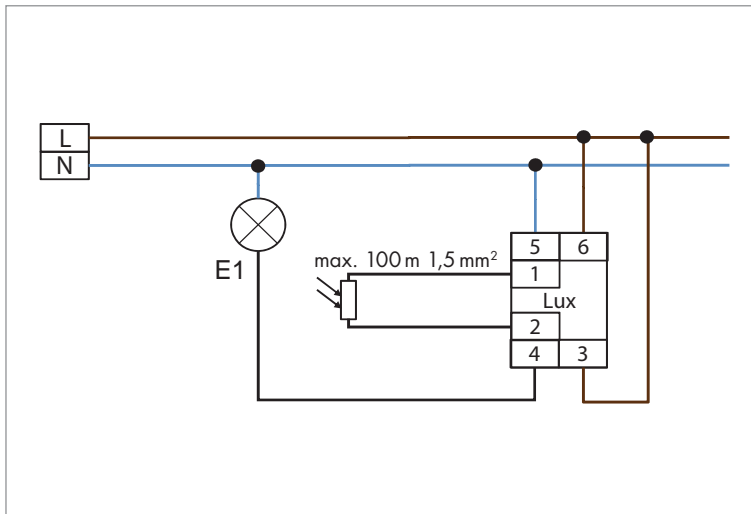
Mode with Cut-off-function



Wiring diagram for

- PD4-M-DAA4G-FC

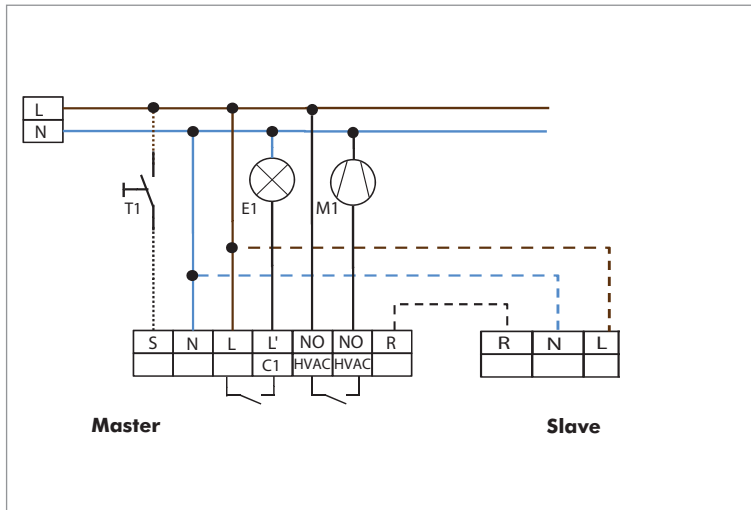
Standard mode with 1 channel-motion detector



Wiring diagram for

- TS-DD

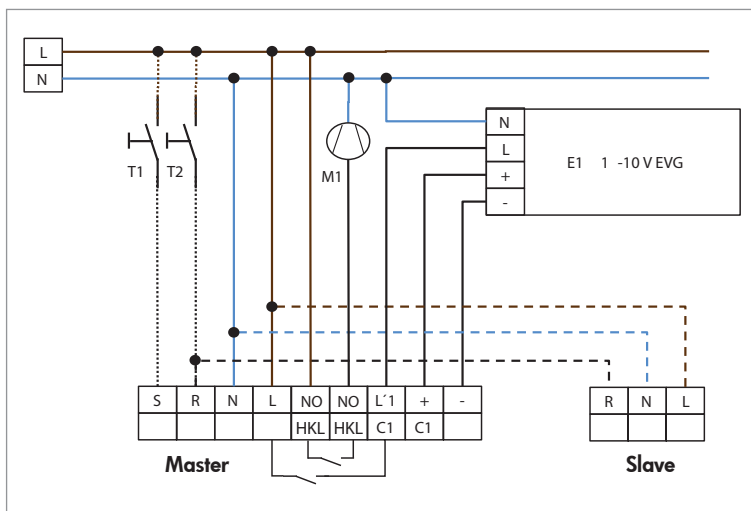
Standard mode with Master-2 channel-occupancy detector with R- and S terminal



Wiring diagram for

- PD9-M-2C-FC

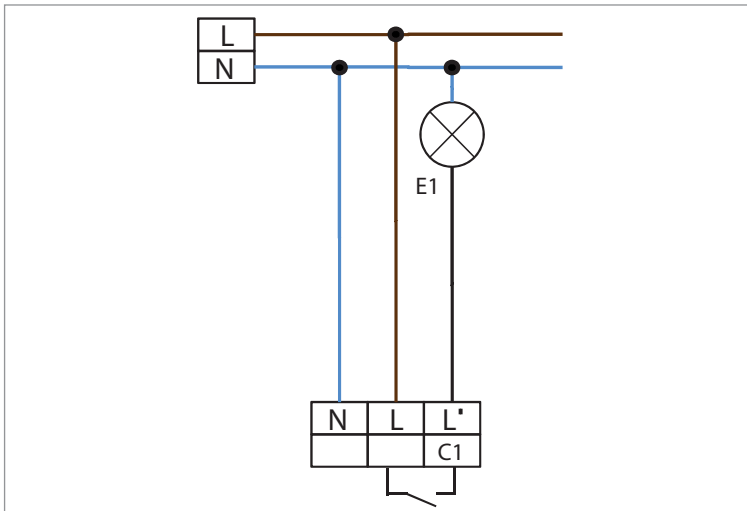
Standard mode with Master-DIM-HVAC-occupancy detector



Wiring diagram for

- PD9-M-DIM+HVAC-FC

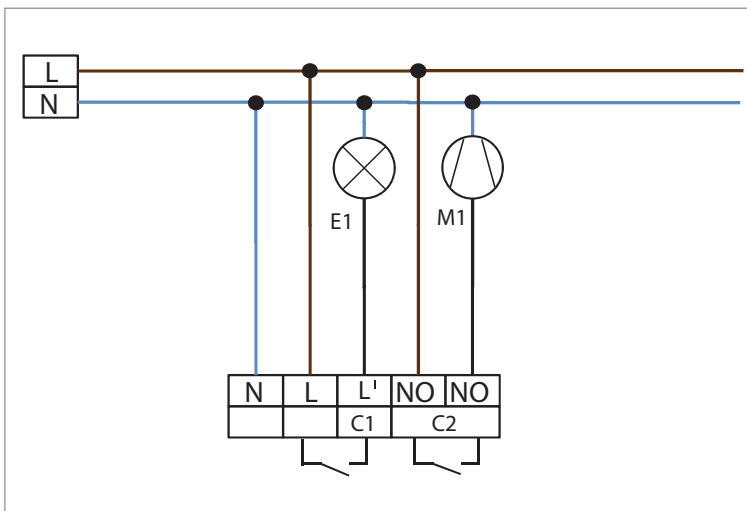
Standard mode with 1 channel-motion detector



Wiring diagram for

- RC-plus next 230
- RC-plus next 130
- RC-plus next 280
- LC-plus 280
- LC-Click-N 140
- LC-Click-N 200
- LC-Mini 120
- LC-Mini 180
- PD3N-1C-FC/-FM
- PD3N-1C-SM/-FC Acoustic
- PD4N-1C-SM/-FC/-FM
- PD4N-1C-C-SM/-FC
- PD9-1C-FC
- PD9-1C-GH-FC
- HF-MD1
- HF-MD1 ESL
- HF-MD2-SM
- PD3N-1C-SM

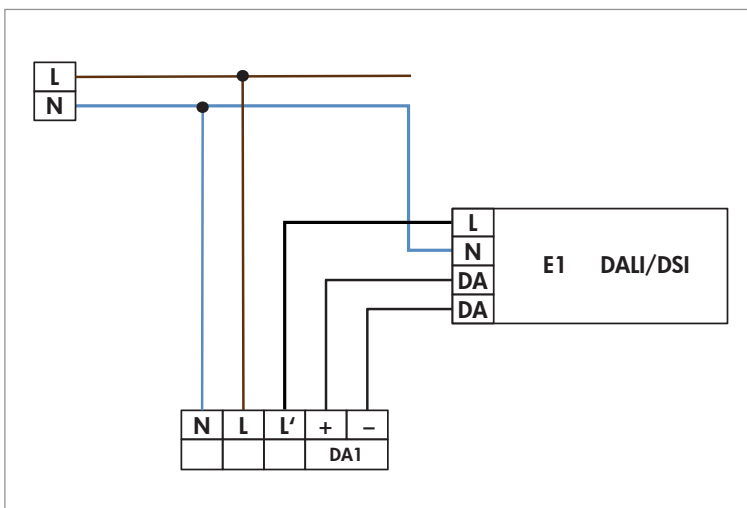
Standard mode with 2 channel-motion detector



Wiring diagram for

- PD3N-2C-FC/-FM

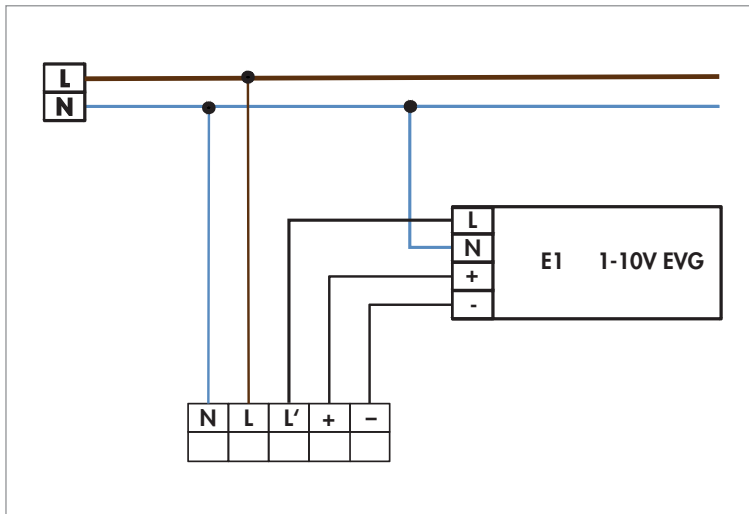
Standard mode with 1 channel DALI Photo electric switches



Wiring diagram for

- CdS-DALI/DSI-SM

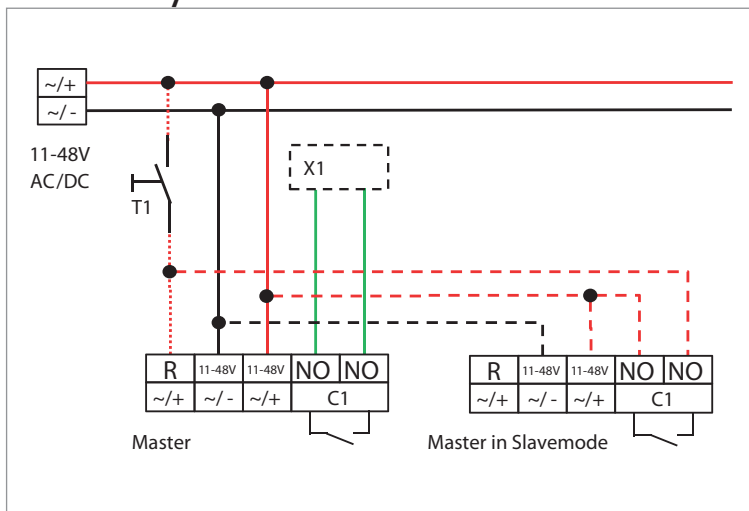
Standard mode with 1-10 V Photo electric switches



Wiring diagram for

- CdS-DIM-FC

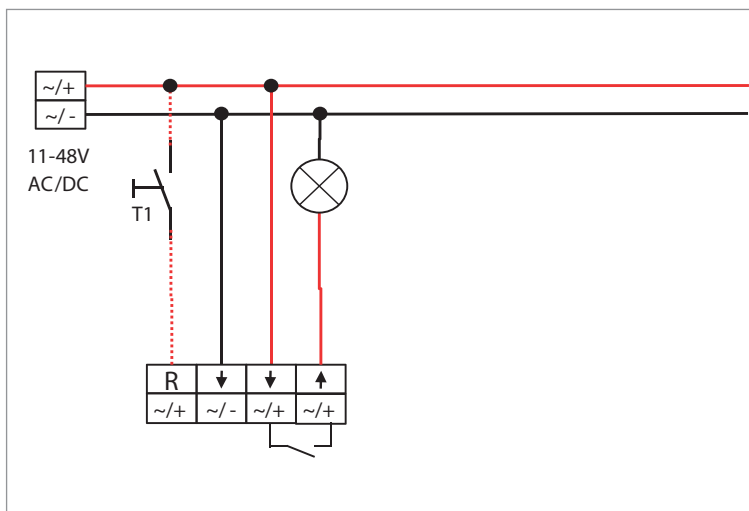
Standard mode with 1 channel - 11-48 V-occupancy detectors with reed relay



Wiring diagram for

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

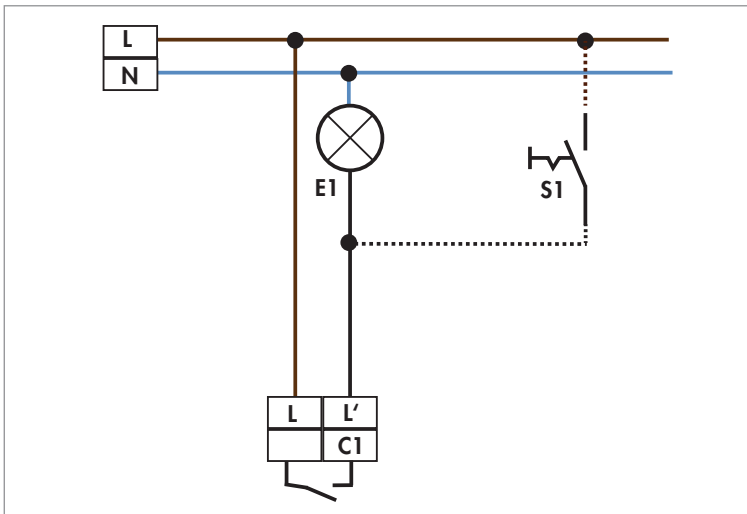
Standard mode with 1 channel - 11-48 V-occupancy detector



Wiring diagram for

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

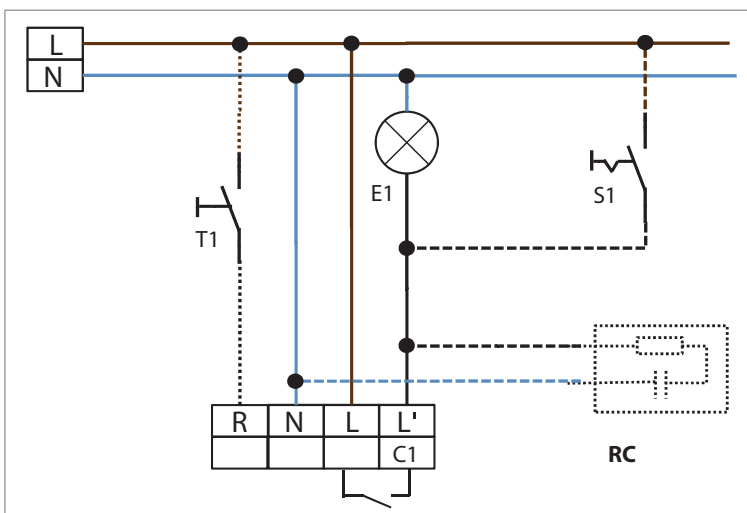
Standard mode with 2-wire technology, relay



Wiring diagram for

- Indoor 180-T
- Indoor 180-R-2D

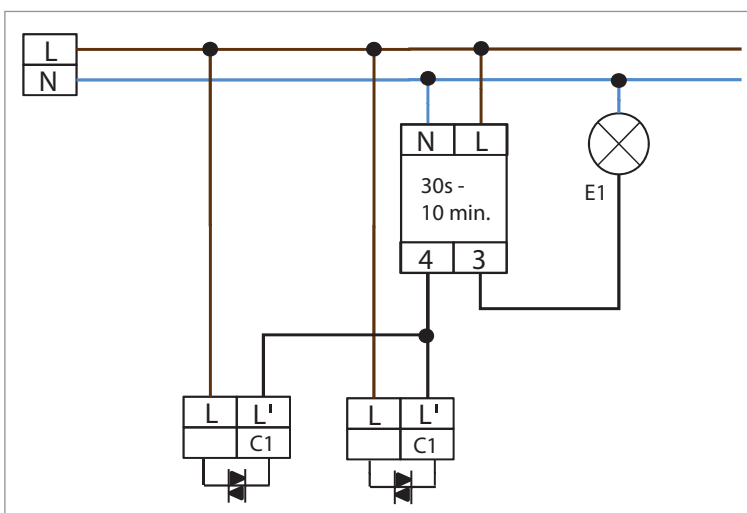
Standard mode with 1 channel-motion detector



Wiring diagram for

- Indoor 180-R

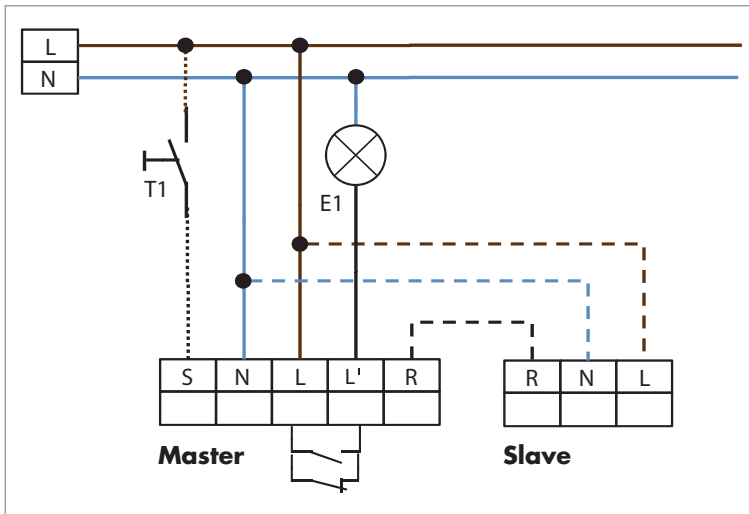
Standard mode with 1 channel motion detector (e.g. stairs)



Wiring diagram for

- SCT1
- Indoor 180-SC

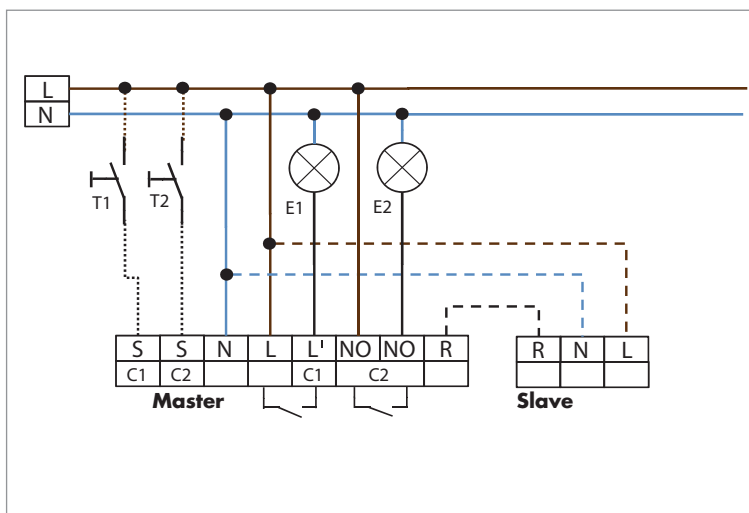
Standard mode with Master-1 channel-occupancy detector PS with R- and S terminal



Wiring diagram for

- PD4-M-1C-C-PS-SM/-FC
- and optional slave device

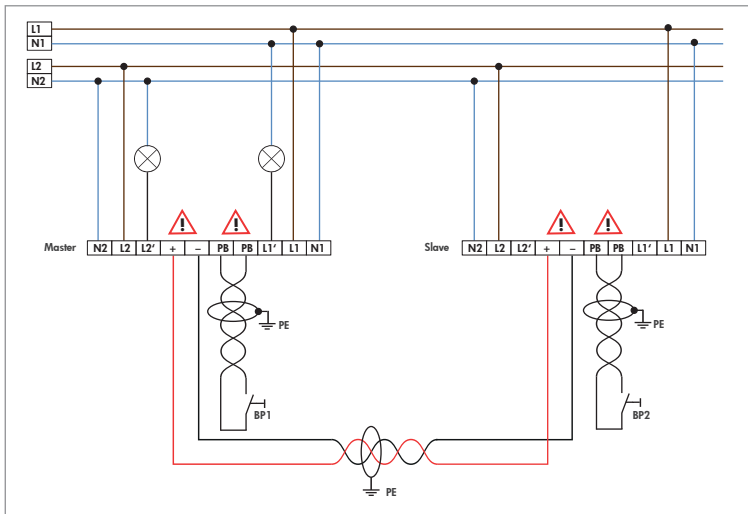
Standard mode with Master-2 channel-DUO-occupancy detector



Wiring diagram for

- PD4-M-2C-DUO-SM/-FC/-FM
- and optional slave device

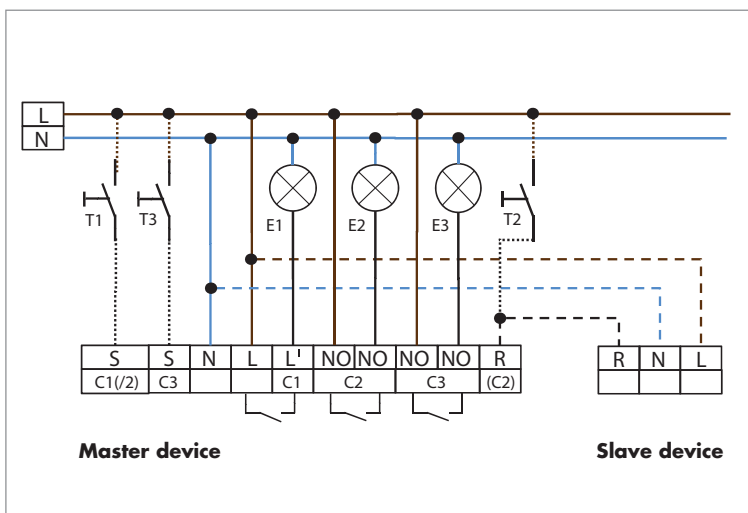
Standard mode with Master-2 channel-occupancy detectors



Wiring diagram for

- PD4-M-2C-DS-FC

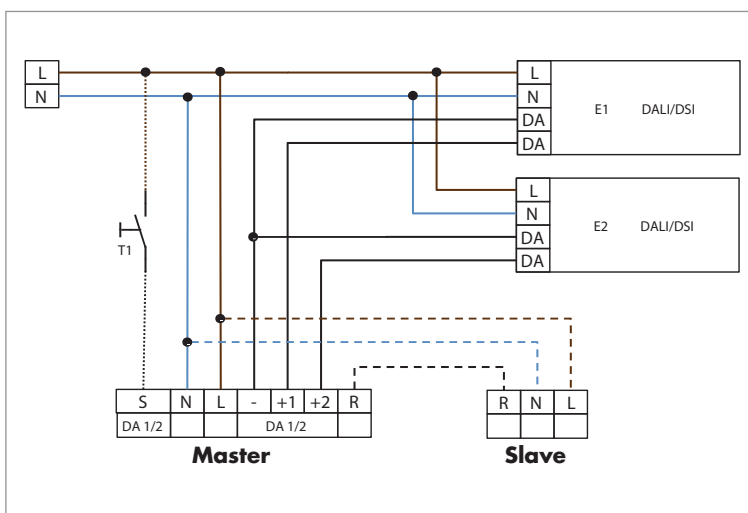
Standard mode with Master-3 channel-TRIO-occupancy detectors



Wiring diagram for

- PD4-M-3C-TRIO-SM/-FC
- and optional slave device

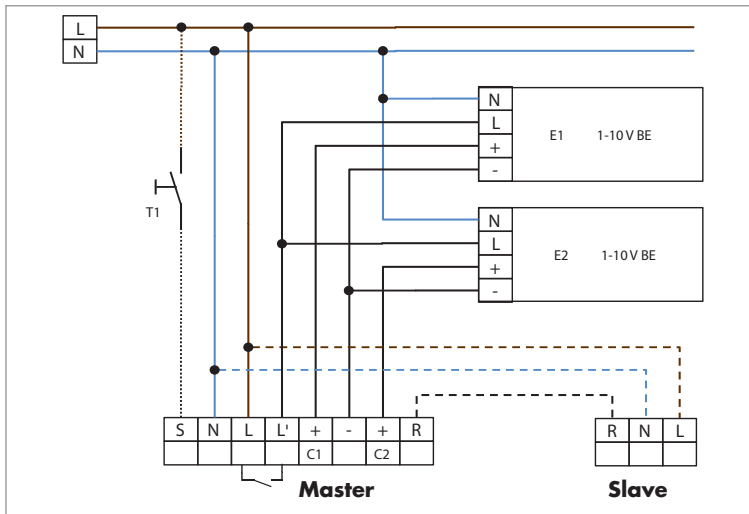
Standard mode with Master-DUO-DALI-occupancy detector



Wiring diagram for

- PD4-M-DUO-DALI/DSI-FC
- and optional slave device

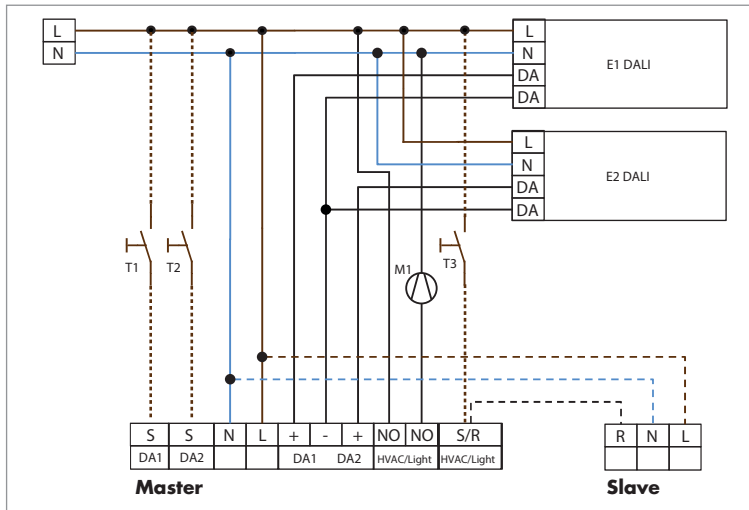
Standard mode with Master-DUO-DIM-occupancy detectors



Wiring diagram for

- PD4-M-DUO-DIM-SM/-FC/-FM and optional slave device

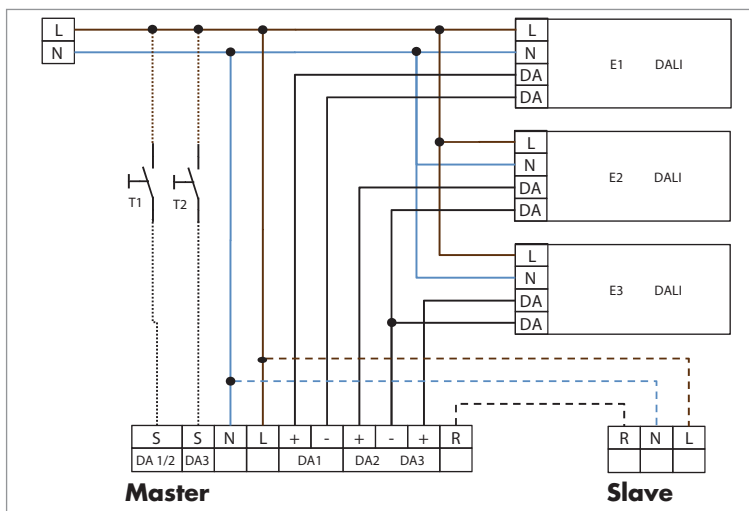
Standard mode with Master-2 channel-occupancy detectors with R- and S terminal



Wiring diagram for

- PD4-M-TRIO-2DALI/DSI-1C-SM/-FC and optional slave device

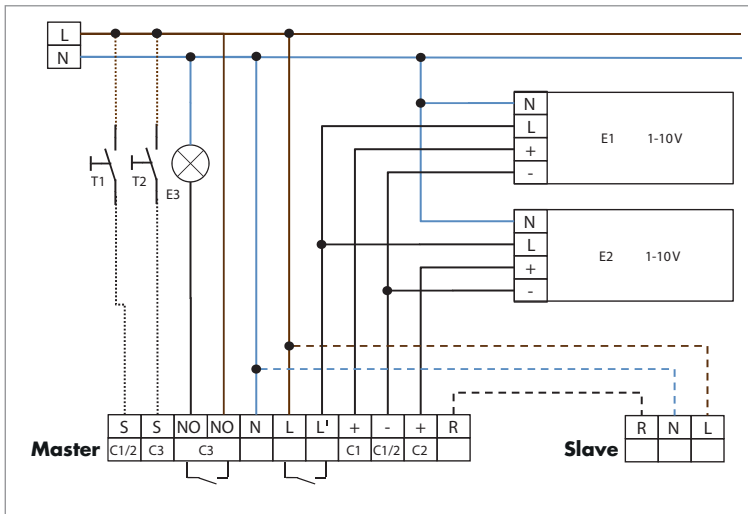
Standard mode with Master-DIM-HVAC-occupancy detectors



Wiring diagram for

- PD4-M-TRIO-DALI/DSI-SM/-FC and optional slave device

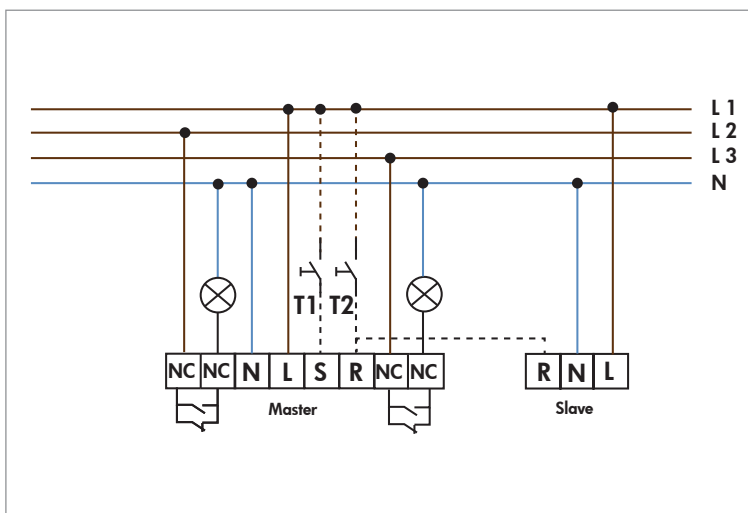
Standard mode with Master-TRIO-DIM-occupancy detectors



Wiring diagram for

- PD4-M-TRIO-DIM-SM/-FC
- and optional slave device

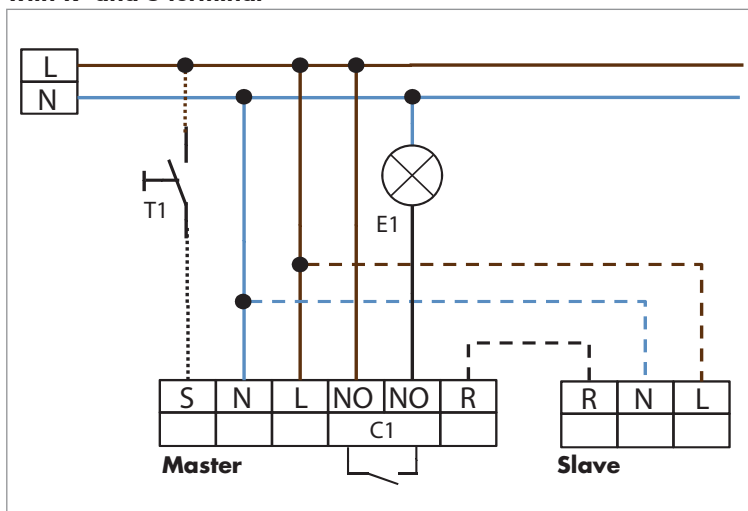
Standard mode with Master-TRIO-occupancy detector



Wiring diagram for

- PD4-M-TRIO-C-3P-FC
- and optional slave device

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

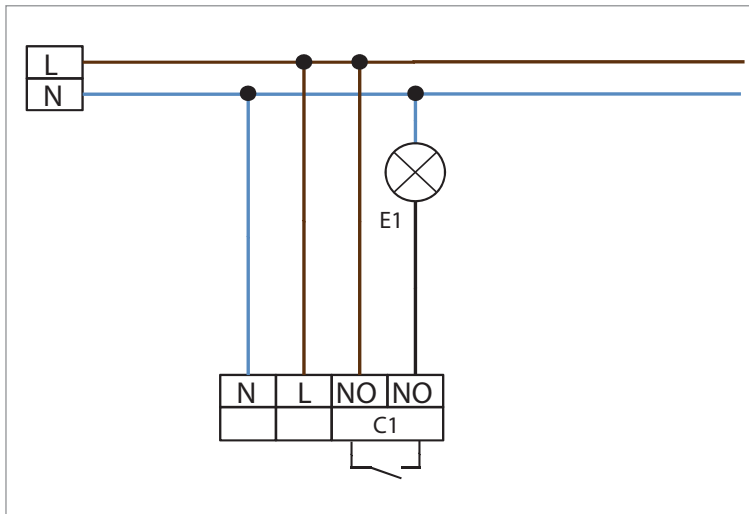


Wiring diagram for

- PD2-M-1C-FC
- PD4-M-1C-SM/-FC/-FM
- PD4-M-1C-GH-SM
- PD4-M-1C-C-SM/-FC

and optional slave device

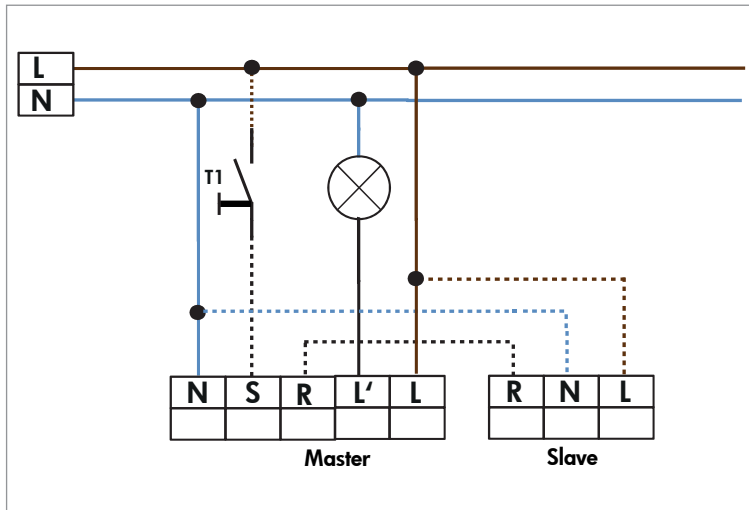
Standard mode with Master-1 channel-occupancy detector (NO)



Wiring diagram for

- PD9-DIGI-FC
- PD9-M-1C-SDB-IP65-FC
- PD9-M-1C-SDB-IP65-GH-FC
- PD3N-1C-NO-PF-FC

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

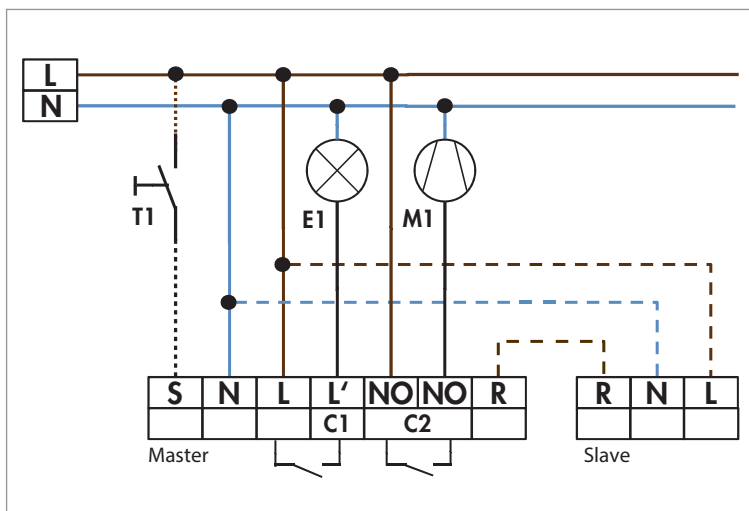


Wiring diagram for

- PD5-M-1C-Clip
- PD9-M-1C-FC
- PD9-M-1C-GH-FC
- PD11-M-1C-FLAT-FC

and optional slave device

Standard mode with Master-2 channel-occupancy detectors

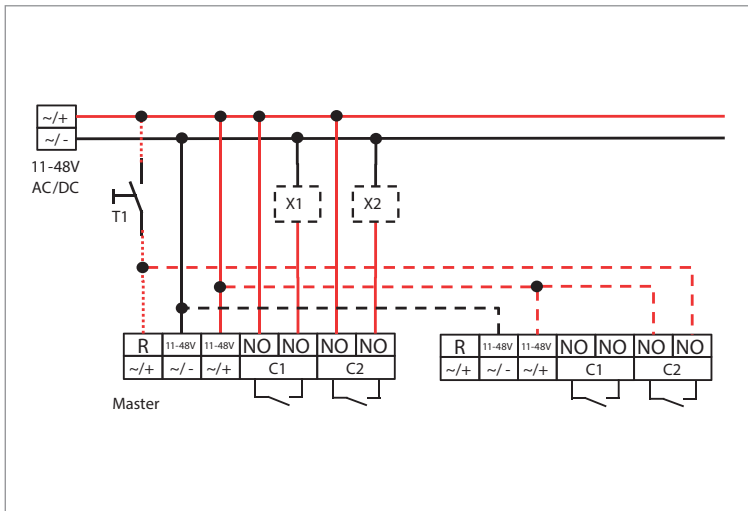


Wiring diagram for

- PD1N-M-2C-SM/-FC/-FM
- PD2-M-2C-SM/-FC/-FM
- PD4-M-2C-SM/-FC/-FM
- PD4-M-2C-C-SM/-FC/-FM
- Indoor 180-M-2C

and optional slave device

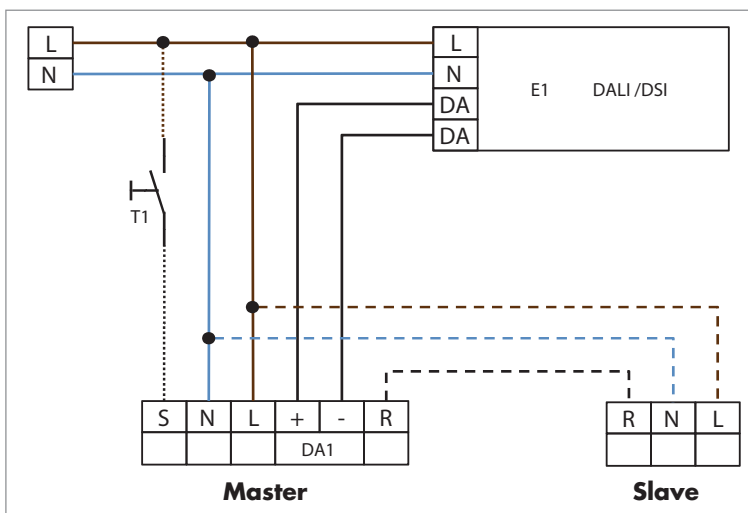
Standard mode with Master-2 channel 11-48 V-occupancy detectors



Wiring diagram for

- PD2-M-2C-11-48V-3A-SM/-FC

Standard mode with Master-DALI-occupancy detectors

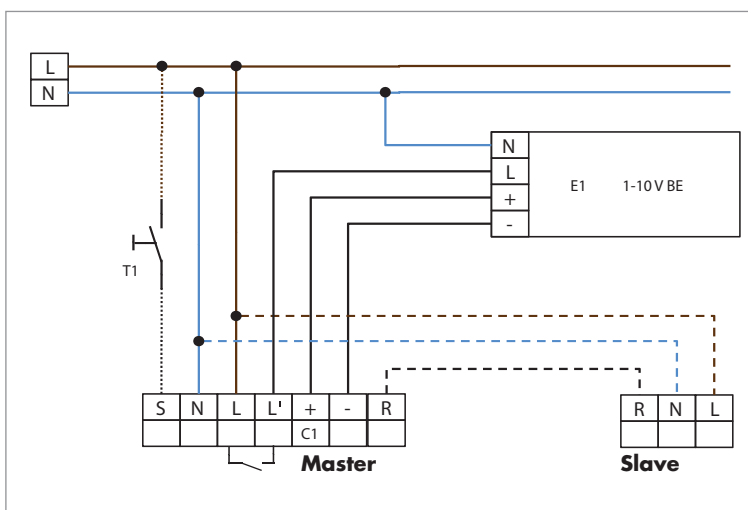


Wiring diagram for

- PD2-M-DALI/DSI-SM/-FC
- PD4-M-DALI/DSI-SM/-FC
- PD9-M-DALI/DSI-FC
- PD9-M-DALI/DSI-GH-FC
- PD4-M-DALI/DSI-C-SM/-FC

and optional slave device

Standard mode with Master-DIM-occupancy detectors

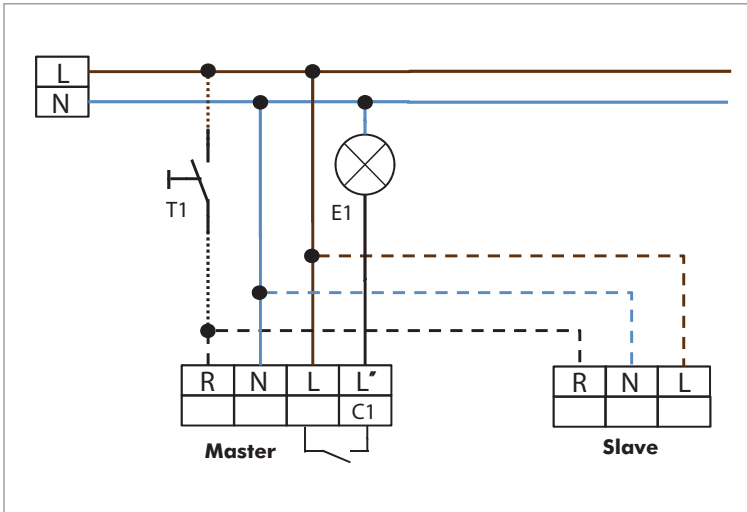


Wiring diagram for

- PD2-M-DIM-SM/-FC/-FM
- PD4-M-DIM-SM/-FC/-FM
- PD4-M-DIM-C-SM/-FC
- PD5-M-DIM-Clip
- PD9-M-DIM-FC
- PD9-M-DIM-GH-FC
- PD1N-M-DIM-FC

and optional slave device

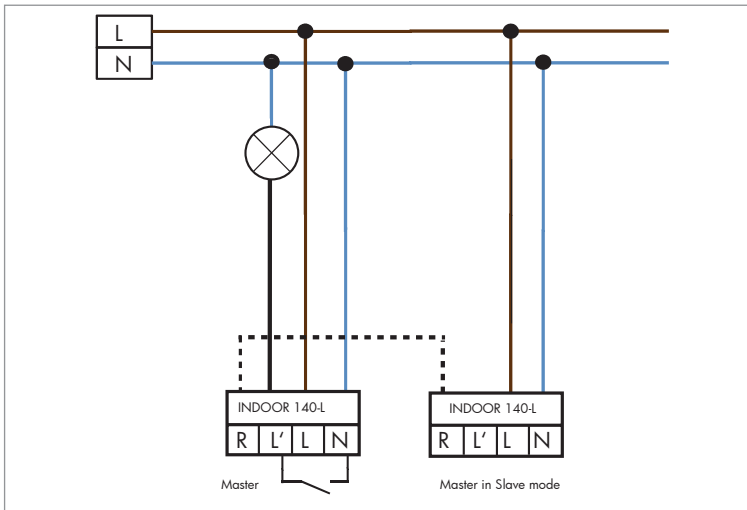
Standard mode with Master-1 channel-occupancy detectors with R terminal



Wiring diagram for

- PICO-M-1C-FC
- and optional slave device

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



Wiring diagram for

- Indoor 140-L

LUXOMAT® Application examples for electricians and planners



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

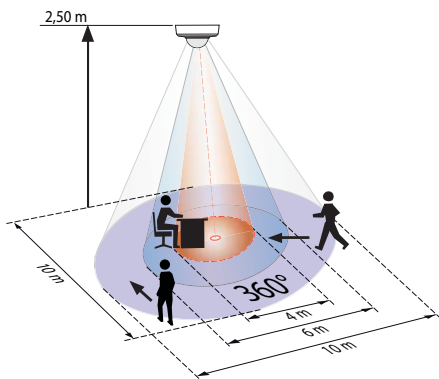
To find the right detector out of B.E.G.'s broad range is not always easy. B.E.G. as a specialist offers a lot of detectors with many special functions for almost every demand. It will be our pleasure to support you in finding the right detector.

The following pages offer tips to the optimum mounting location and the correct programming of our detectors as well as planning examples for different projects. This helps in finding the right detector quickly.

Furthermore, profit from B.E.G.'s service and experience. Our field staff will be pleased to assist you.

In addition, our CAD specialists will assist you in planning the mounting location of the LUXOMAT(RimKreis) motion and occupancy detectors. Just send us your plans by email. The rest is up to us - free of charge, naturally.

You can rely on us: we will assist you until your project is finished.

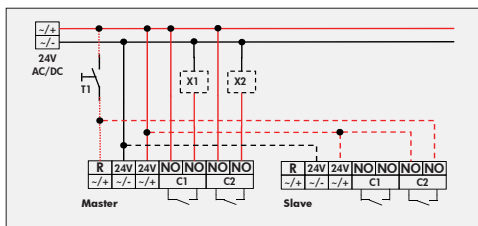


- Walking towards
- Walking across
- Seated / Smaller motions

The best position

- The area to be monitored must be completely covered by the detector's 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 detector's detection area.
- Unwanted triggering of the detector 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 detector's detection range (for example lights underneath the detector), while indirect lights must not cast their light directly on the detector.
- 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 14 metres).

Correct connection



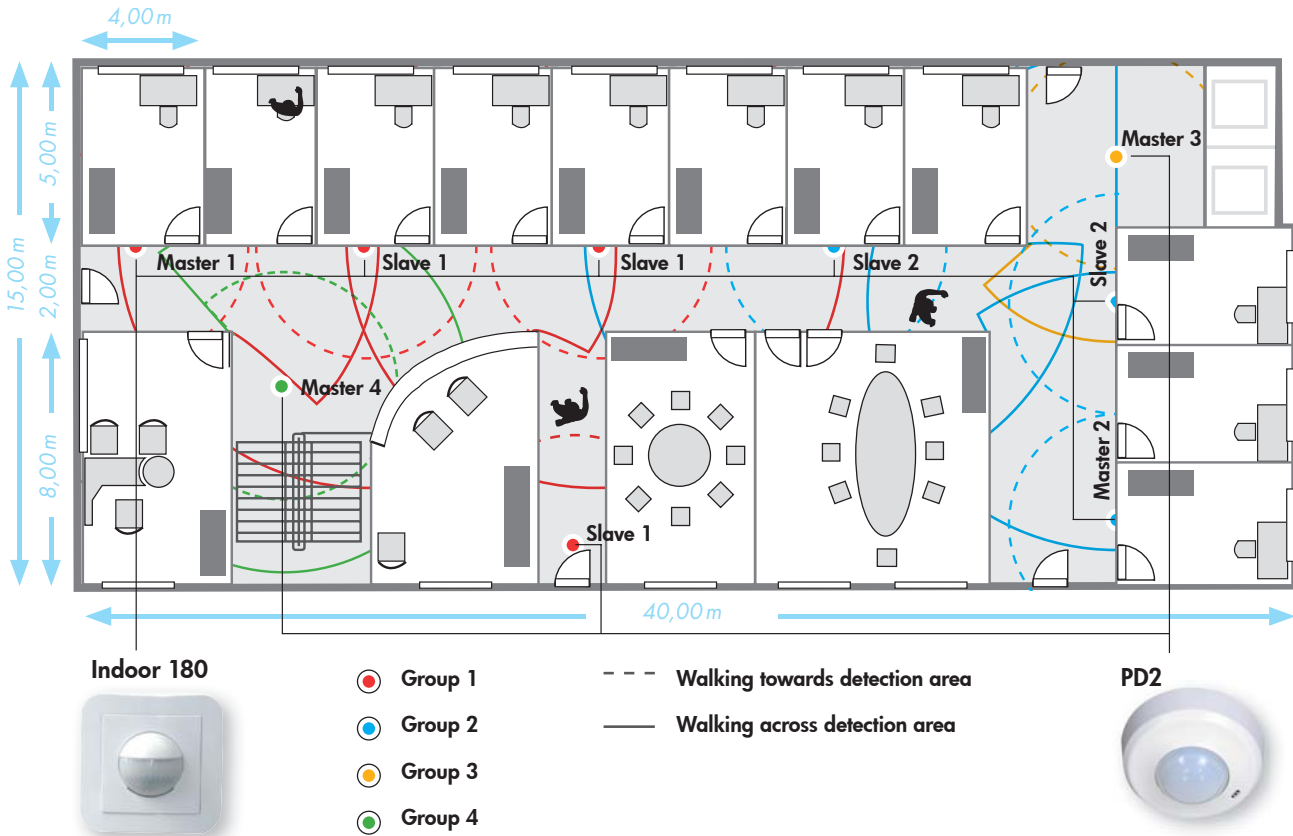
- No more than five units must be connected in parallel. As more detectors are connected in parallel, the detection area becomes larger and harder to manage, and more difficult to troubleshoot. If many motion detectors are connected in parallel, some connected loads may no longer switch off (this can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

Correct settings

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



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 follow-up 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 device
- 2 each LUXOMAT® Indoor 180-Master device
- 1 each LUXOMAT® PD2-Slave device
- 2 each LUXOMAT® PD2-Master device

Master settings PD2 / Indoor 180:

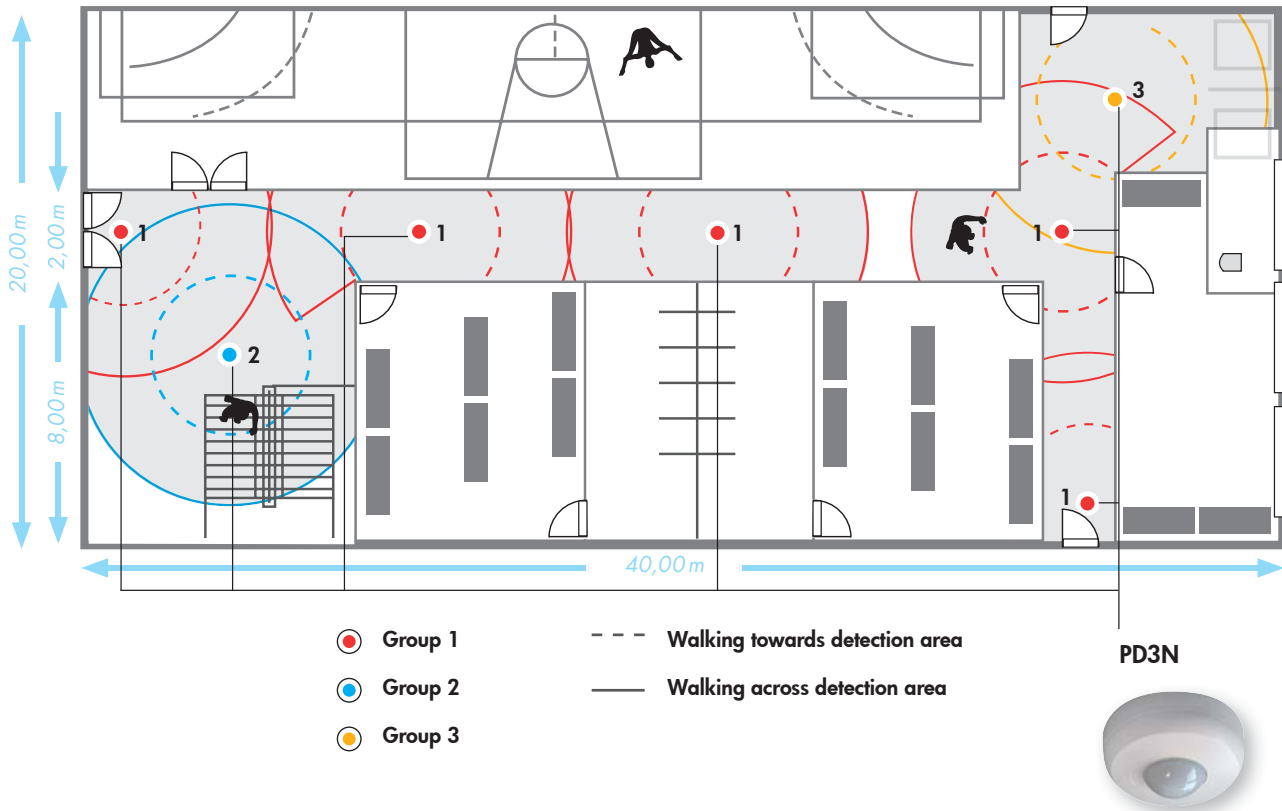
- Follow-up time R1: > 5min.
- Brightness switching value R1: 500Lux or individual using remote control
- Follow-up time R2: optional

Connected circuit:

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

Description	Colour	Page	Part number
Indoor 180-M-2C without frame	-	125	92661
Indoor 180-M-2C with frame	pure white, RAL9010	125	92136
Indoor 180-S without frame	-	126	92660
Indoor 180-S with frame	pure white, RAL9010	126	92135
PD2-M-2C-SM	white	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	87	92152
PD2-S-FC	white	87	92166
PD2-S-FM	white	87	92156

APPLICATION EXAMPLE 2: CORRIDOR WITH PD3N OR PD3N MICRO



▪ **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 follow-up 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:**

Follow-up time: > 5 min.

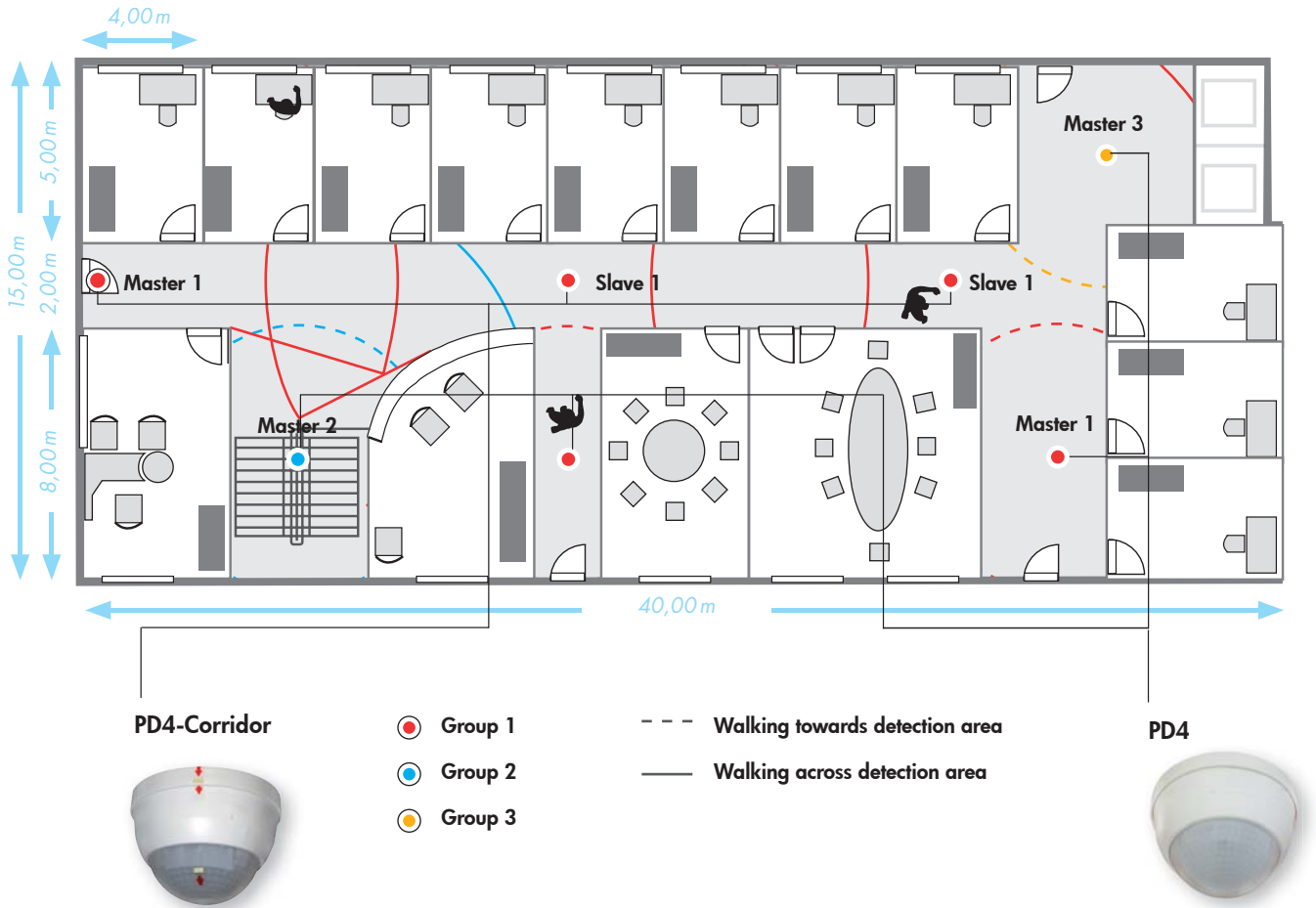
Brightness: Day mode (light evaluation inactive) ("sun" symbol)

▪ **Connected circuit:**

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

Description	Colour	Page	Part number
PD3N-1C-SM	white	21	92190
PD3N-1C-FC	white	21	92196
PD3N-1C-FM	white	21	92186
PD3N-1C-SM Acoustic	white	23	92219
PD3N-1C-FC Acoustic	white	23	92184

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



▪ **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 follow-up 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:**

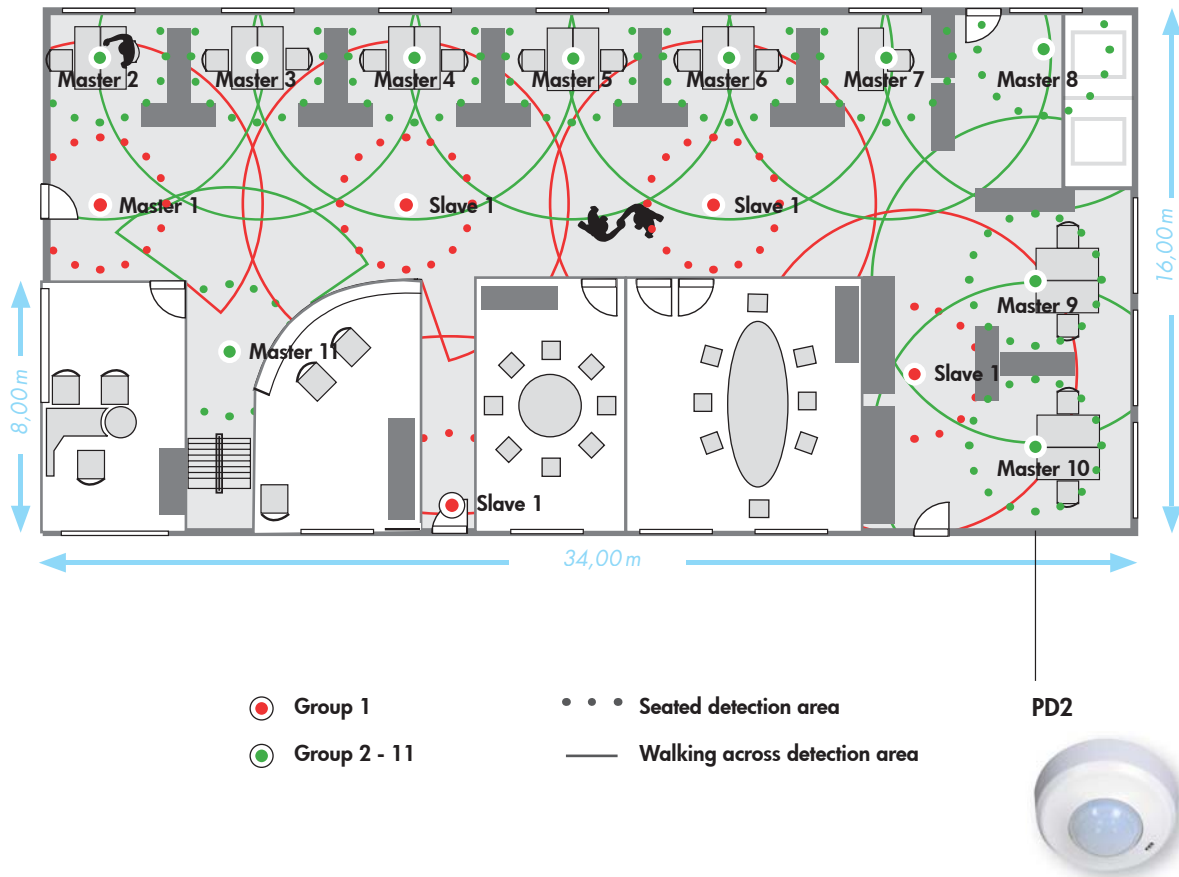
- Follow-up time: approx. 5 min.
- Brightness: Day mode (light evaluation inactive) ("sun" symbol)

▪ **Connected circuit:**

- Master/Slave operation in corridor area
- Standard operation in lift room and staircase area

Description	Colour	Page	Part number
PD4-M-2C-C-SM	white	56	92440
PD4-M-2C-C-FC	white	56	92143
PD4-M-2C-C-FM	white	56	92443
PD4-S-C-SM	white	89	92442
PD4-S-C-FC	white	89	92444
PD4-S-C-FM	white	89	92445
PD4-M-2C-SM	white	55	92140
PD4-M-2C-FC	white	55	92148
PD4-M-2C-FM	white	55	92255

APPLICATION EXAMPLE 4: OPEN-PLAN OFFICE WITH 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 device
11 each LUXOMAT® PD2-Master device

PD2-Master device settings:

Follow-up time R1: 5 min.
Brightness switching value R1: 300 Lux or individual using remote control
Follow-up time R2: optional

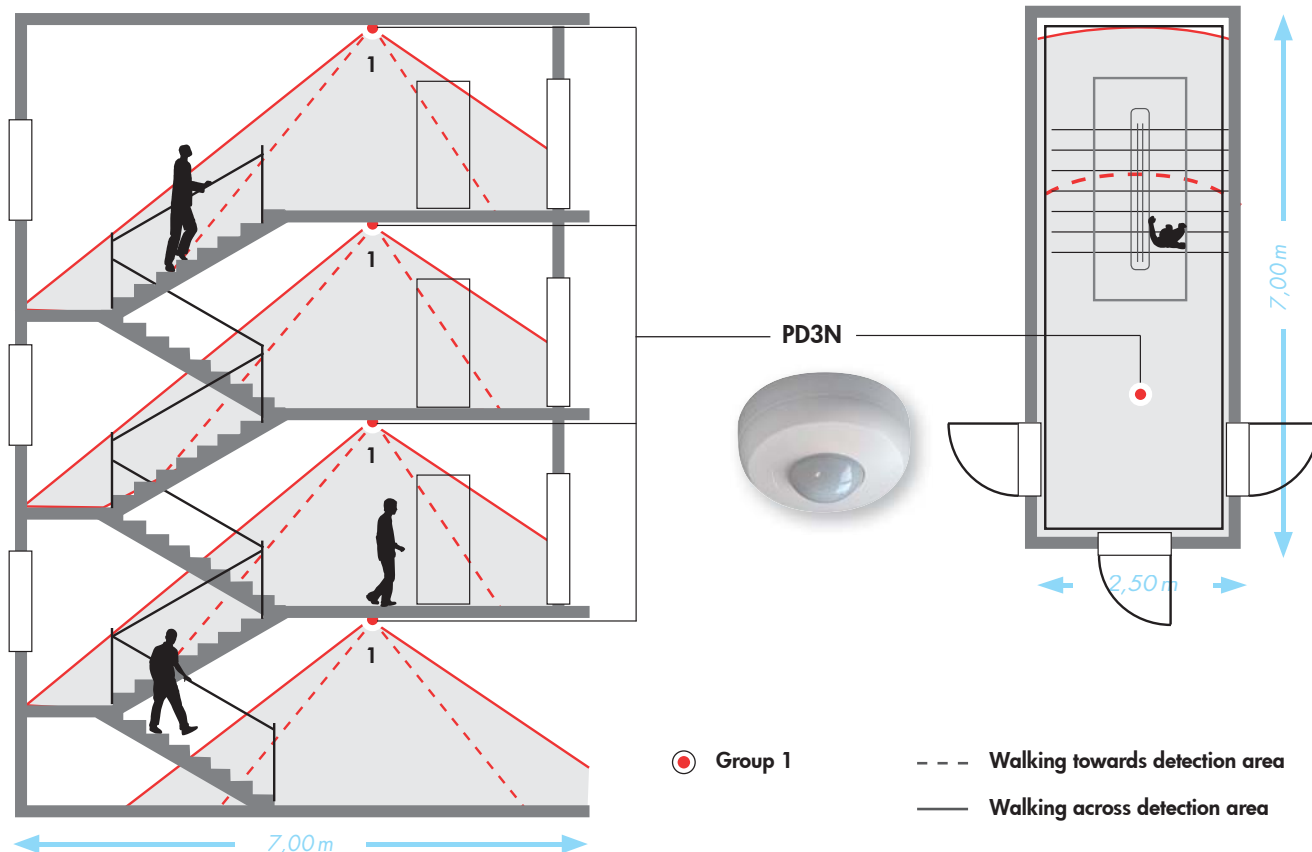
Connected circuit:

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

Description	Colour	Page	Part number
PD2-M-2C-SM	white	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	87	92152
PD2-S-FC	white	87	92166
PD2-S-FM	white	87	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 four motion detectors. The motion 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:

Follow-up time: 5 min.
Brightness switching value: "sun" symbol

Connected circuit:

Parallel operation

Alternatives:

Typical example no. 6:
Staircase with LUXOMAT® PD2 occupancy detectors

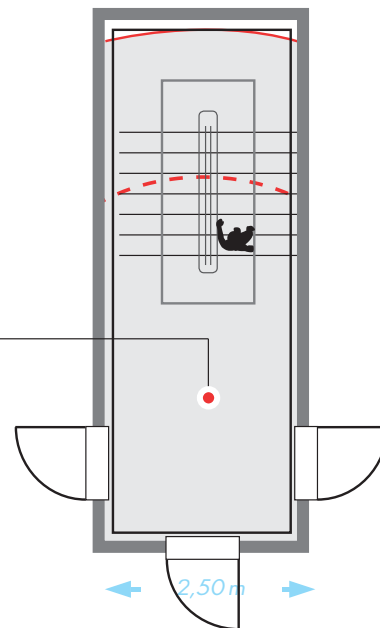
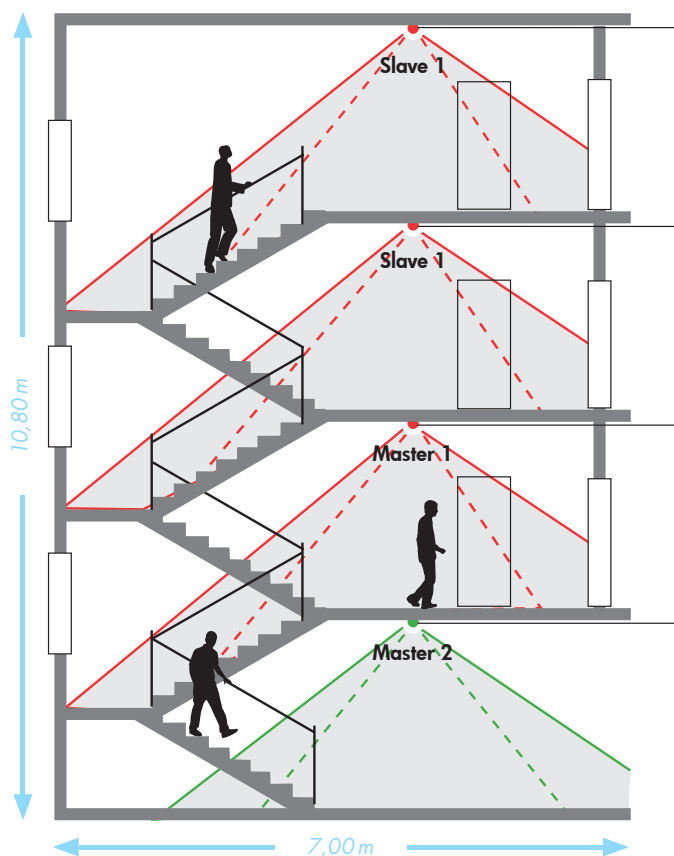
Typical example no. 7:
Staircase with LUXOMAT® Indoor 180-R motion detectors using 3-conductor engineering

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	21	92190
PD3N-1C-FC	white	21	92196
PD3N-1C-FM	white	21	92186

APPLICATION EXAMPLE 6: STAIRCASE WITH PD2



- Group 1
- Group 2
- - - Walking towards detection area
- 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 occupancy 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 device
 2 each LUXOMAT® PD2-Master device

▪ **PD2-Master device settings:**

Follow-up time R1: 5 min.
 Brightness switching value R1: 300 Lux
 Follow-up time R2: optional

▪ **Connected circuit:**

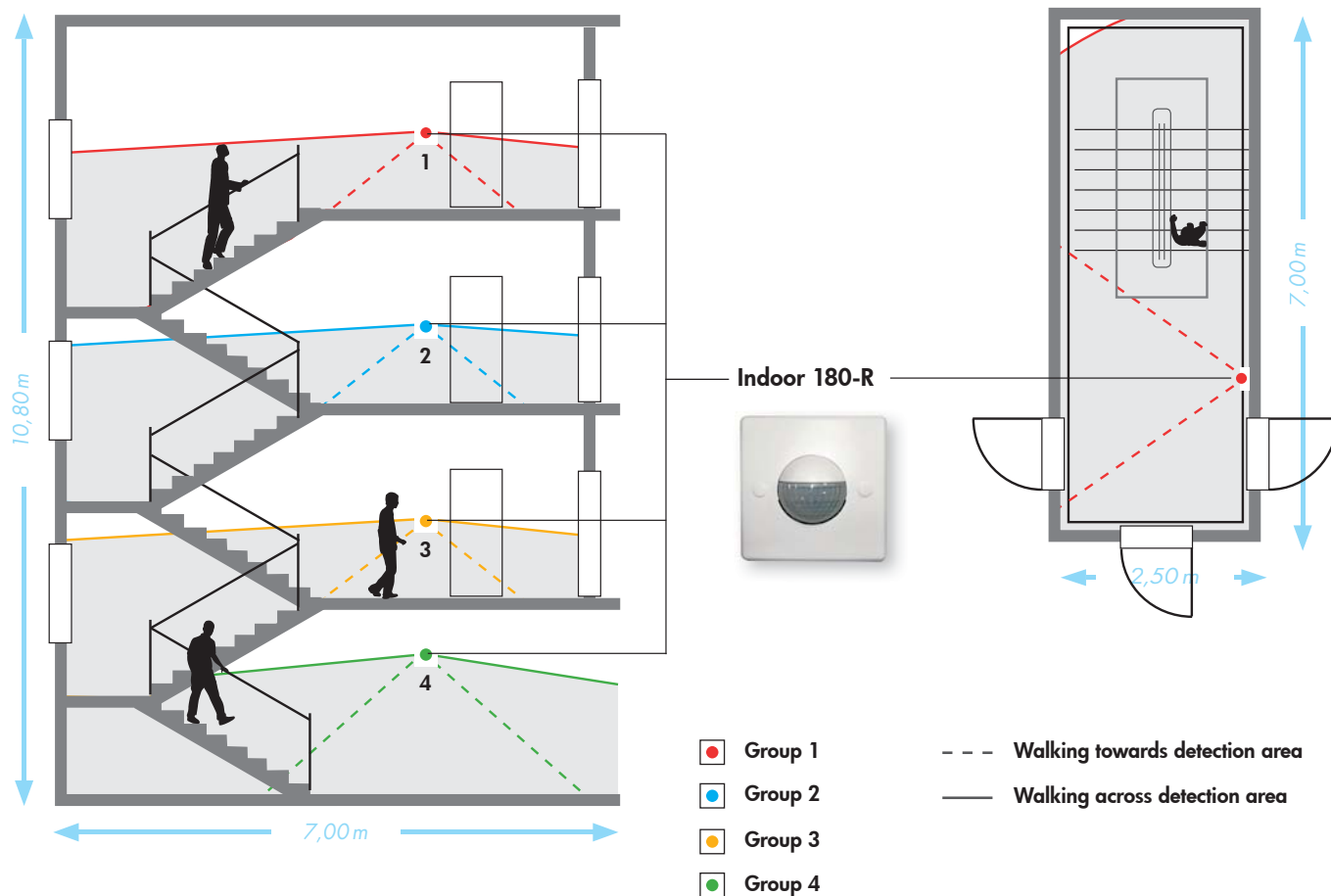
Master/Slave switching with optional push button operation on the residential floors. The Master device must always be mounted at the point with the least proportion of daylight. Master operation with optional push-button control at the basement level.

▪ **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	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	87	92152
PD2-S-FC	white	87	92166
PD2-S-FM	white	87	92156

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



▪ **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 2,50m
 Floor height: 2,70m (in light)

▪ **Illumination:**

Four separate lighting groups

▪ **Products shown:**

4 each LUXOMAT® Indoor 180-R

▪ **Device settings:**

Follow-up time: 5min.
 Brightness switching value: Day mode (light evaluation inactive) ("sun" symbol)

▪ **Connected circuit:**

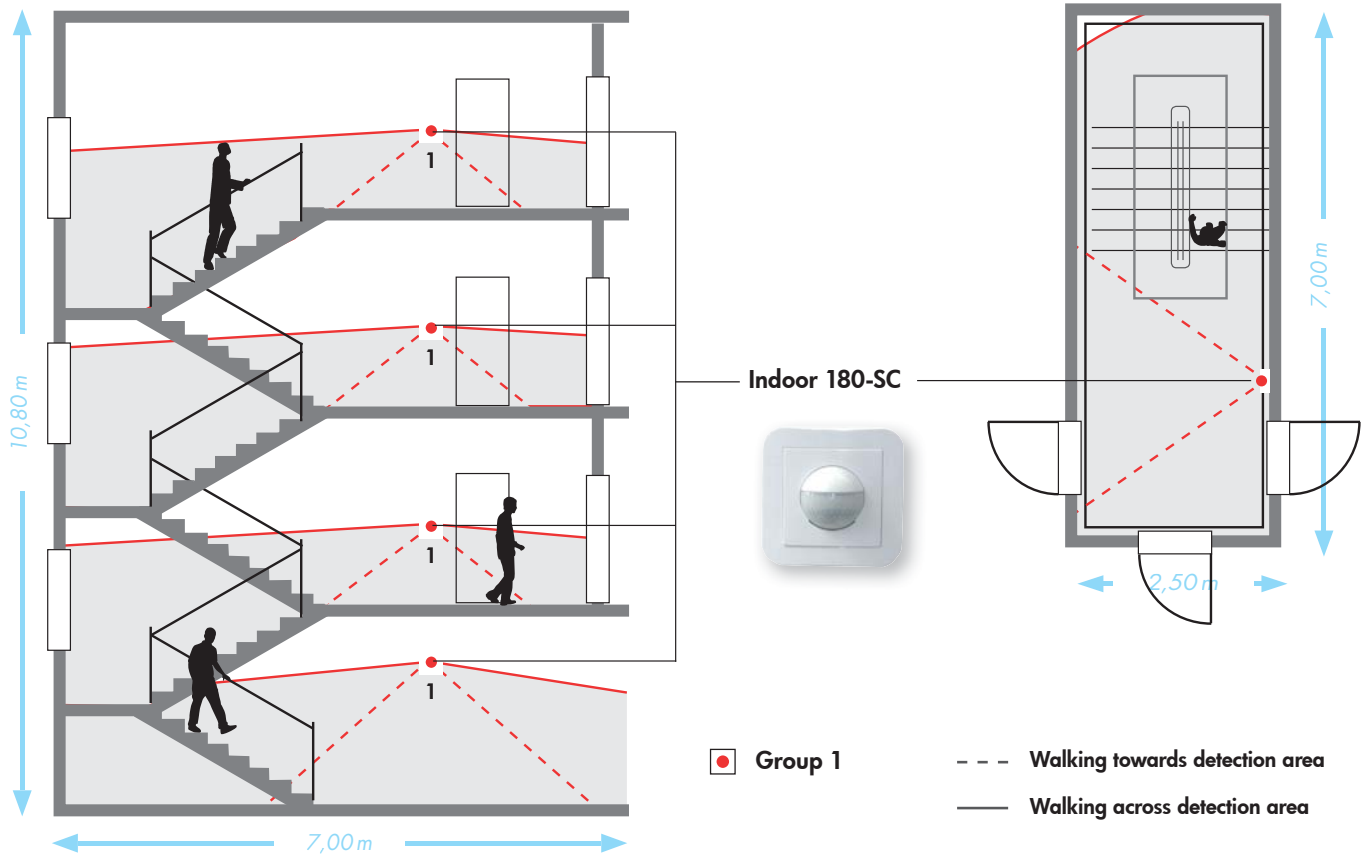
Standard operation (floor by floor, optional push-button operation

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
Indoor 180-R without frame	–	119	92665
Indoor 180-R with frame	pure white, RAL9010	119	92623



▪ **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: 2.70m (in light)

▪ **Illumination:**

1 lighting group with staircase switch

▪ **Products shown:**

4 each LUXOMAT® Indoor 180-SC

▪ **Device settings:**

Follow-up time: as close as possible to the stairwell lighting-timer follow-up time
Brightness switching value: Day mode (light evaluation inactive) ("sun" symbol)

▪ **Connected circuit:**

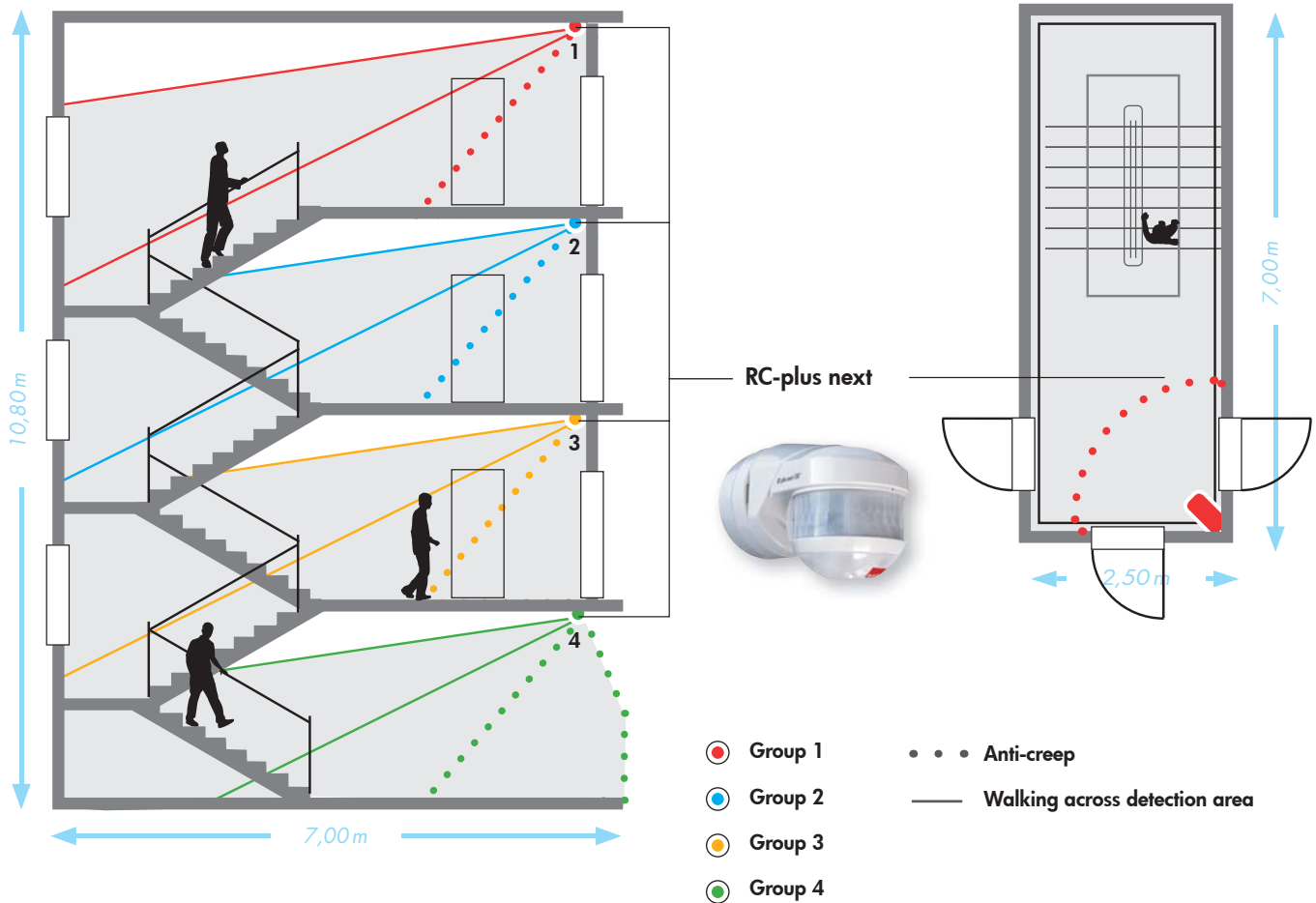
Parallel operation

▪ **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
Indoor 180-SC without frame	–	123	92668
Indoor 180-SC with frame	pure white, RAL9010	123	92650

APPLICATION EXAMPLE 9: STAIRCASE WITH RC-PLUS NEXT 130

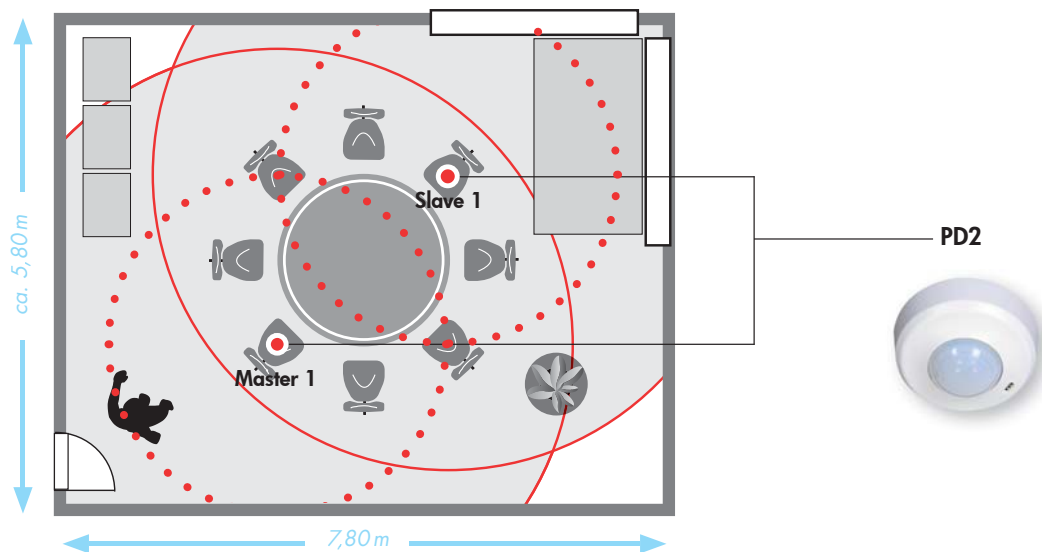


- **Application description:**
In the stairwell of a multi-family dwelling, the lighting is (residential floors/basement level) to be automatically controlled with motion detectors. The motion detectors are to be mounted on the ceiling.
- **Building information:**
Type: staircase with three residential floors and a basement level without daylight
Dimensions: L 7.20 x W 2.50 m
Floor height: 2.70m (in light)
- **Illumination:**
Four separate lighting groups
- **Products shown:**
4 each LUXOMAT® RC-plus next 130
- **RC-plus next device settings:**
Follow-up time: 4 min.
Brightness switching value: Day mode (light evaluation inactive) ("sun" symbol)
- **Connected circuit:**
Standard operation (floor by floor, optional push-button operation with NC 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 push 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 device
1 each LUXOMAT® PD2-Master device

▪ **Device settings:**

Follow-up time R1: 5 min.
Brightness switching value R1: 300 Lux
Follow-up time R2: optional

▪ **Connected circuit:**

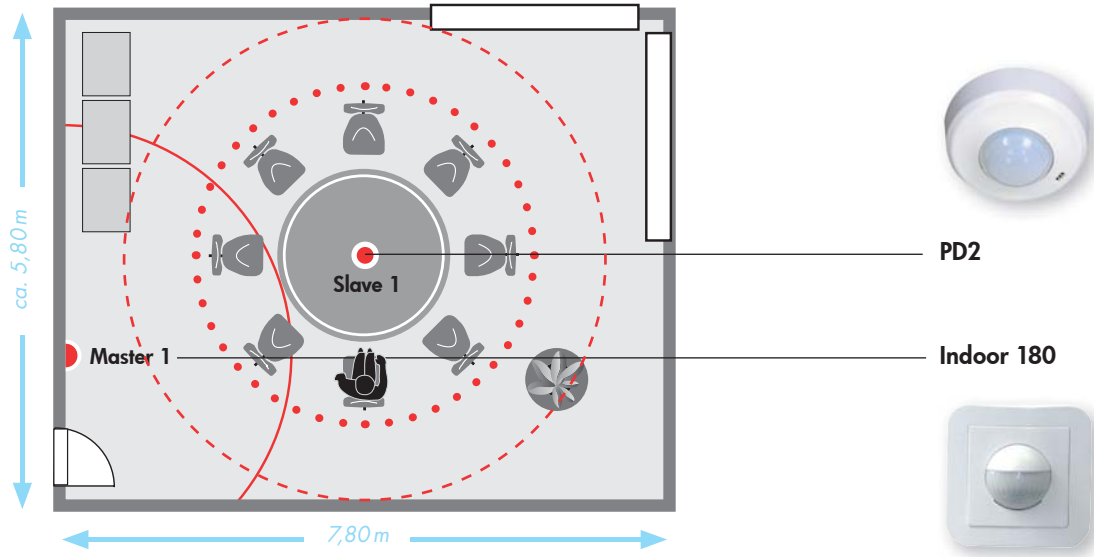
Master/Slave switching with optional push button operation.
The Master device must always be mounted at the point with the least proportion of daylight.

▪ **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	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	87	92152
PD2-S-FC	white	87	92166
PD2-S-FM	white	87	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 push 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® PD2-Slave device
1 each LUXOMAT® Indoor 180-Master device

▪ **Indoor 180-Master device settings:**

Follow-up time R1: 5 min.
Brightness switching value R1: 300 Lux
Follow-up time R2: optional

▪ **Connected circuit:**

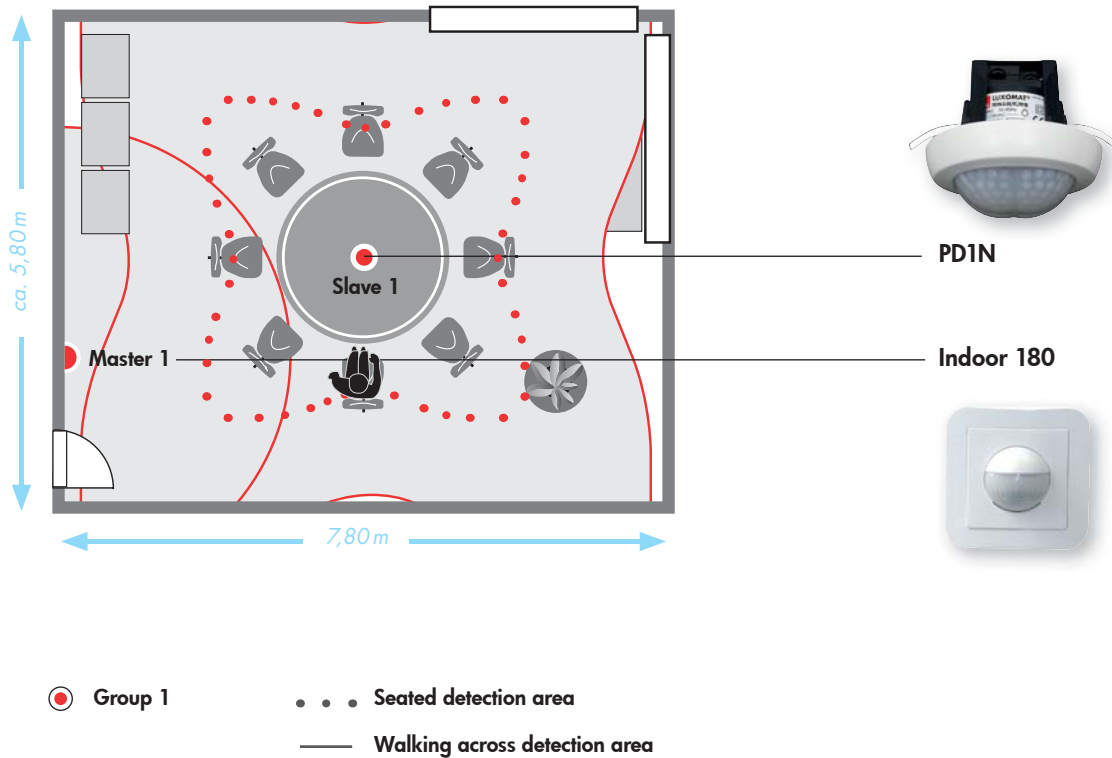
Master/Slave switching with optional push button operation.
The Master device must always be mounted at the point with the least proportion of daylight.

▪ **Alternatives:**

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

Description	Colour	Page	Part number
Indoor 180-M-2C without covering	–	125	92661
Indoor 180-M-2C with covering	pure white, RAL9010	125	92136
PD2-S-SN	white	88	92152
PD2-S-FC	white	88	92166
PD2-S-FM	white	88	92156

APPLICATION EXAMPLE 12: CONFERENCE ROOM C WITH INDOOR 180-M-2C AND PD1N-SLAVE



▪ **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 push 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® PD1N-Slave device
1 each LUXOMAT® Indoor 180-Master device

▪ **Indoor 180-Master device settings:**

Follow-up time R1: 5 min.
Brightness switching value R1: 300 Lux
Follow-up time R2: optional

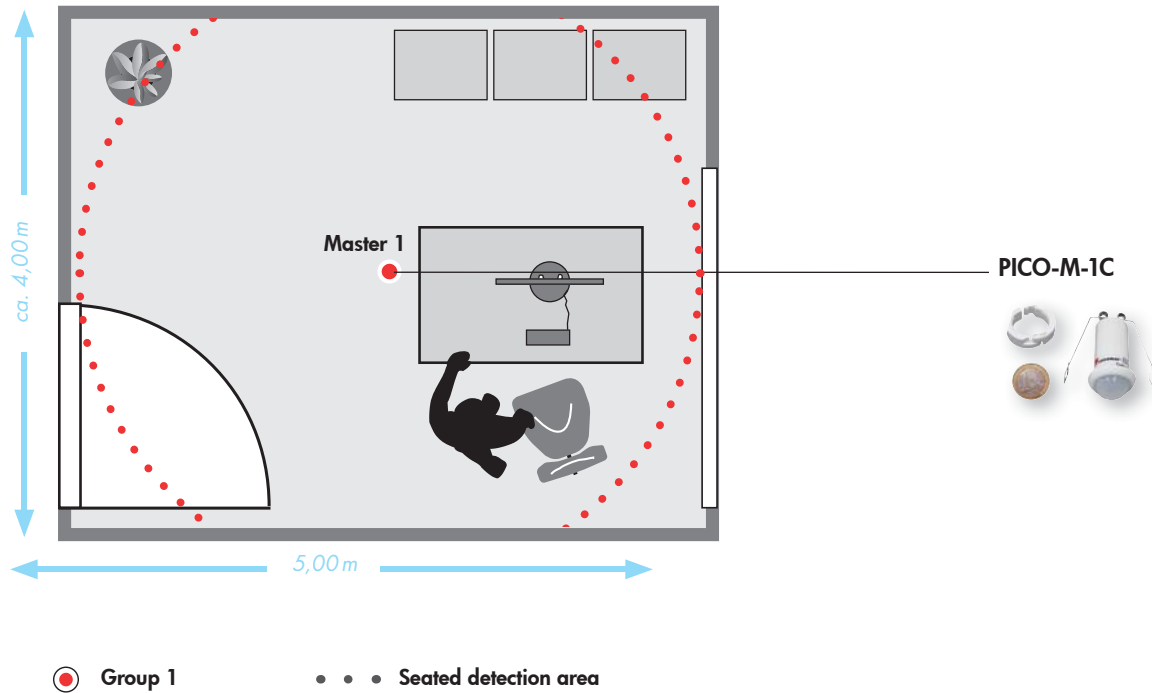
▪ **Connected circuit:**

Master/Slave switching with optional push button operation.
The Master device 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
Indoor 180-M-2C without covering	–	125	92661
Indoor 180-M-2C with covering	pure white, RAL9010	125	92136
PD1N-S-SM	white	87	92878
PD1N-S-FC	white	87	92875
PD1N-S-FM	white	87	92872



▪ **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 push 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 5.00m

▪ **Illumination:**

One lighting group with electronic ballast

▪ **Products shown:**

1 each LUXOMAT® PICO

▪ **Device settings:**

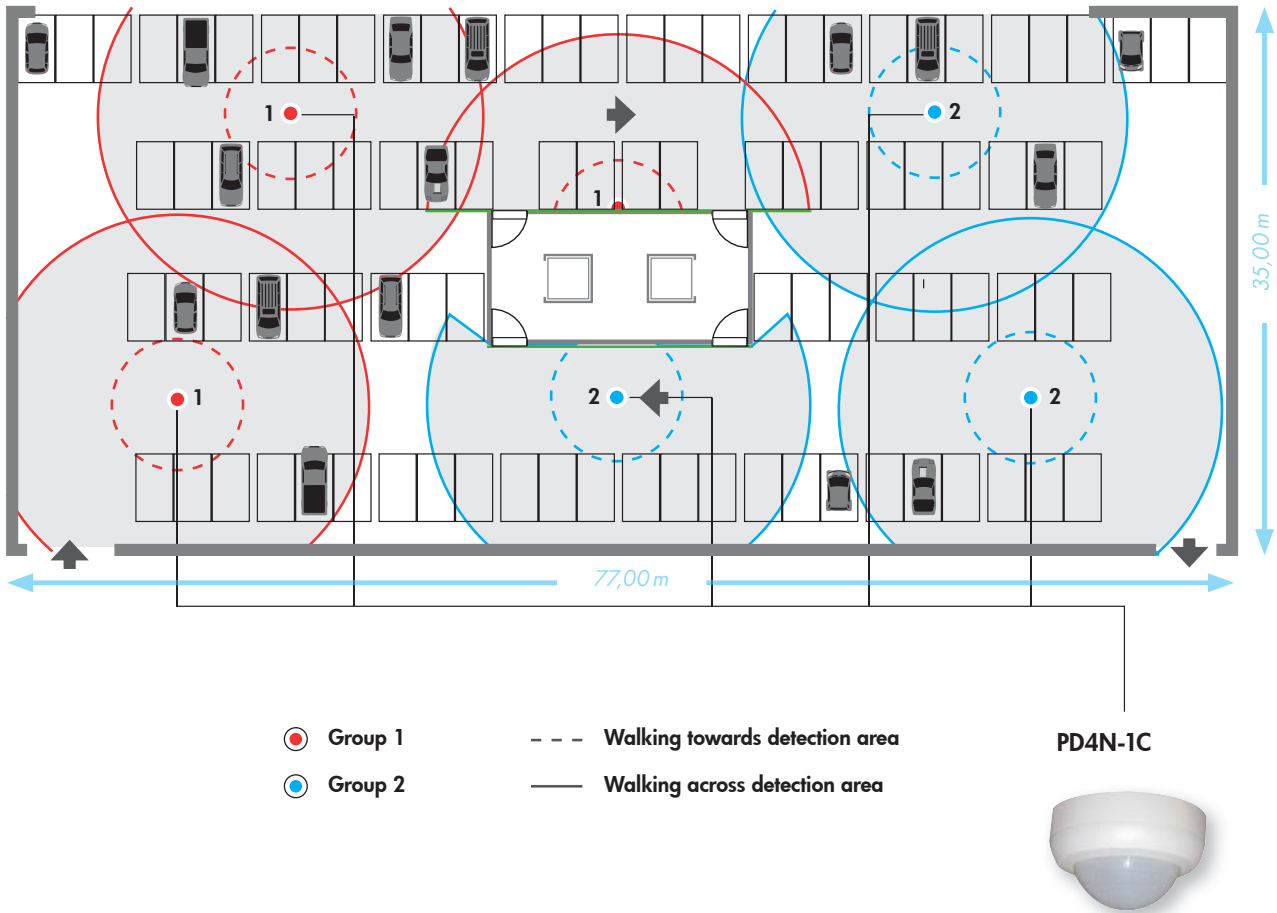
Follow-up time R1: 10 min.
Brightness switching value R1: 300Lux or individual using remote control.
Follow-up time R2: optional

▪ **Connected circuit:**

Master operation with optional push button operated control

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

APPLICATION EXAMPLE 14: UNDERGROUND CAR PARK WITH 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 follow-up 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) Follow-up time: 8 min.,
Brightness switching value: Day mode (light evaluation inactive)
("sun" symbol)
Variation B) Follow-up time: impulse,
Brightness switching value: Day mode (light evaluation inactive)
("sun" symbol)

Connected circuit:

Parallel circuit per lighting group

Note:

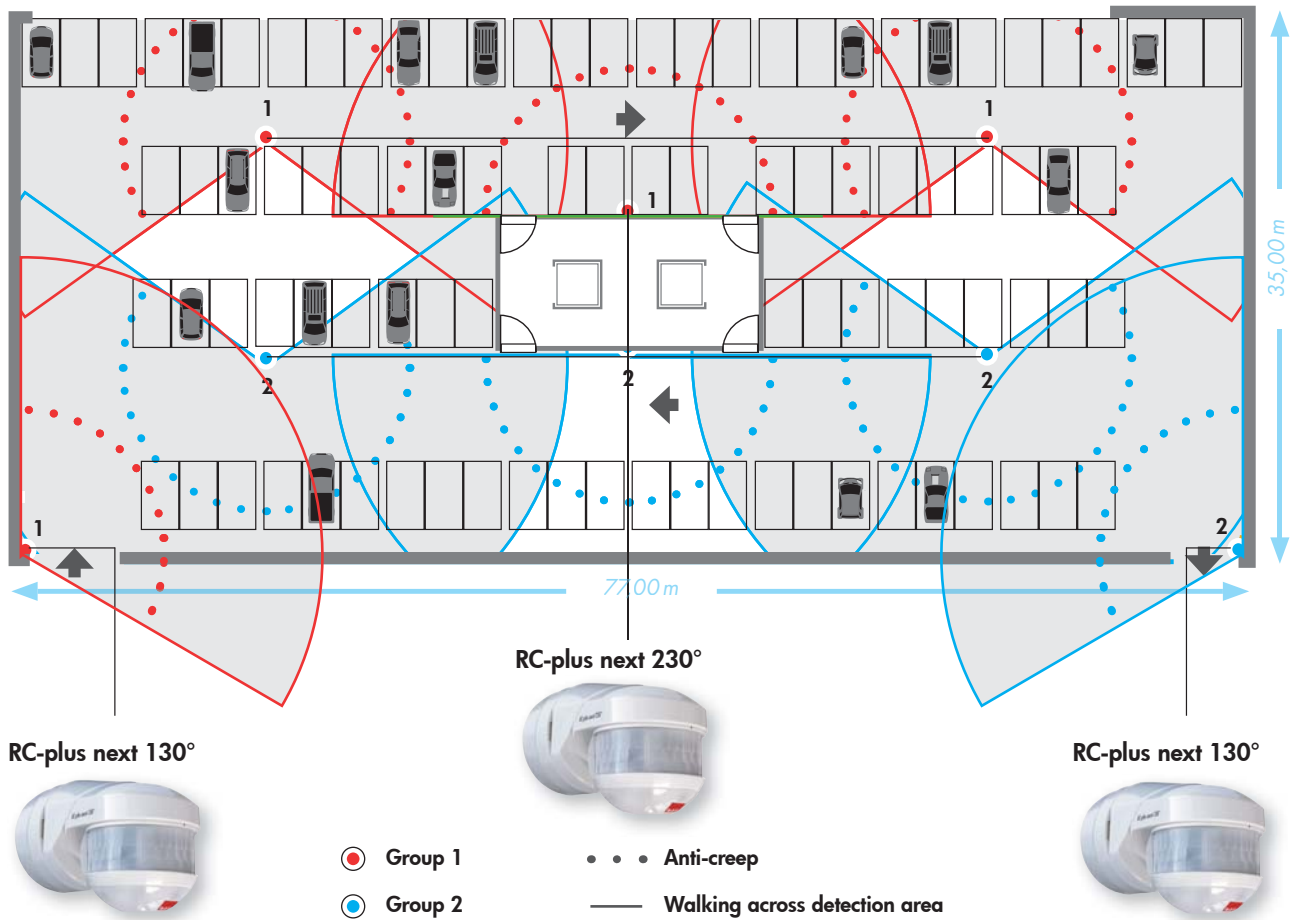
Please ensure that the motion detector installation is always made lateral to the pedestrian and vehicle driving direction. If one walks directly toward the detector, the range is significantly reduced.

Alternatives:

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

Description	Colour	Page	Part number
PD4N-1C-SM	white	25	92144
PD4N-1C-FC	white	25	92149
PD4N-1C-FM	white	25	92151

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



▪ **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 follow-up 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) Follow-up time: 8 min.,
Brightness switching value: Day mode (light evaluation inactive) ("sun" symbol)
Variation B) Follow-up time: impulse,
Brightness switching value: Day mode (light evaluation inactive) ("sun" symbol)

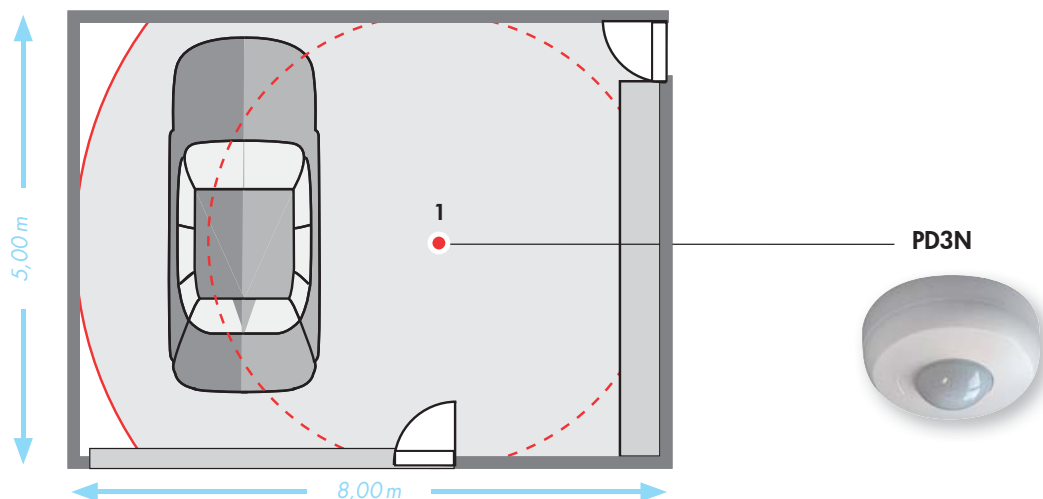
▪ **Connected circuit:**

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



- 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:**

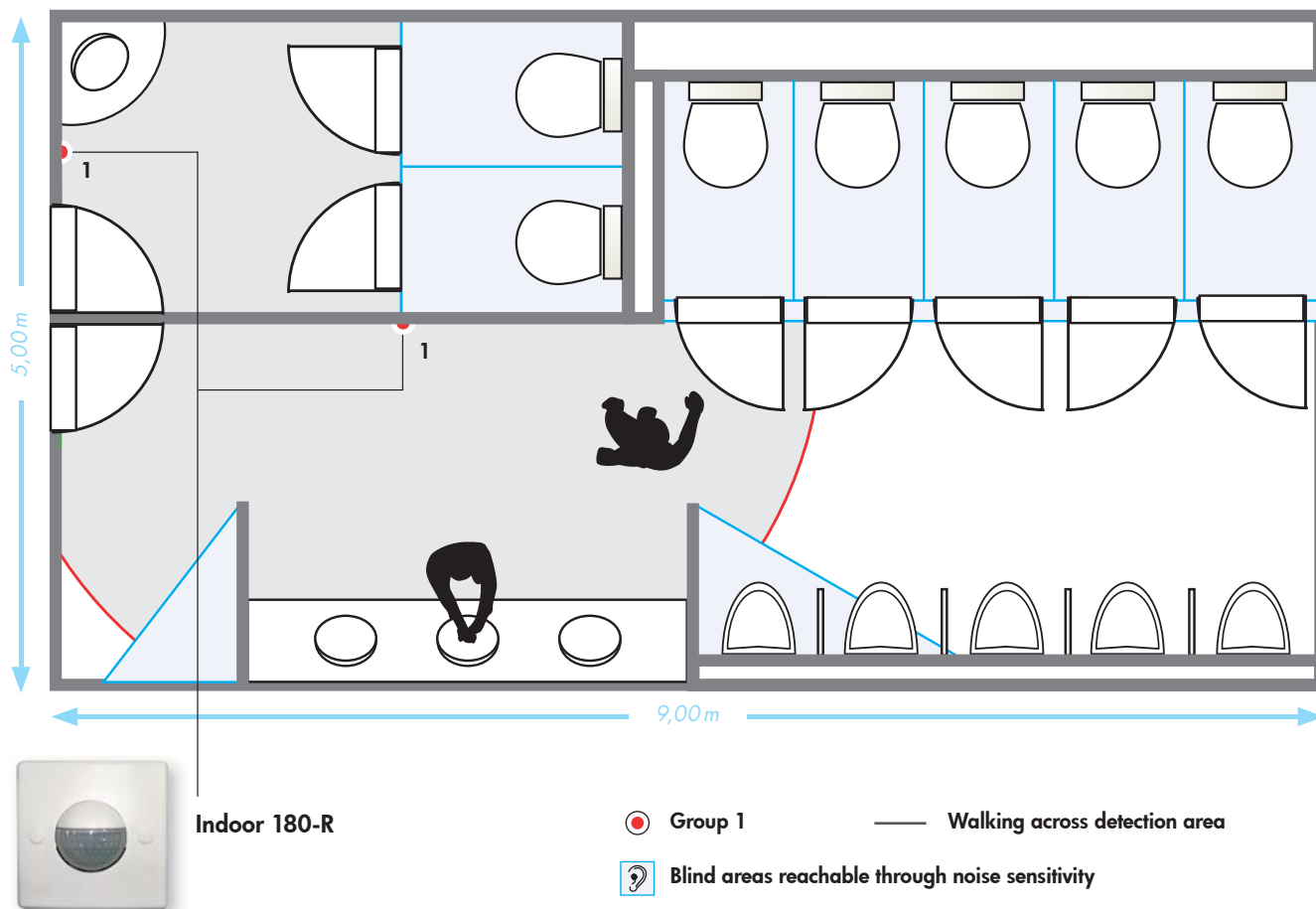
Follow-up time: 4 min.
Brightness switching value: Day mode (light evaluation inactive) ("sun" symbol)

▪ **Connected circuit:**

Standard operation

Description	Colour	Page	Part number
PD3N-1C-SM	white	21	92190
PD3N-1C-FC	white	21	92196
PD3N-1C-FM	white	21	92186

APPLICATION EXAMPLE 17: WASH ROOMS WITH INDOOR 180-R



Application description:

Wash rooms with enclosed WC booths, wall installation of the motion/sound detector. Combined motion/sound detector's 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, e.g. 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:

Follow-up time: 10 min.

Brightness: Day mode (light evaluation inactive) ("sun" symbol)

Noise sensitivity: the optimum sensitivity is to be determined through tests

Connected circuit:

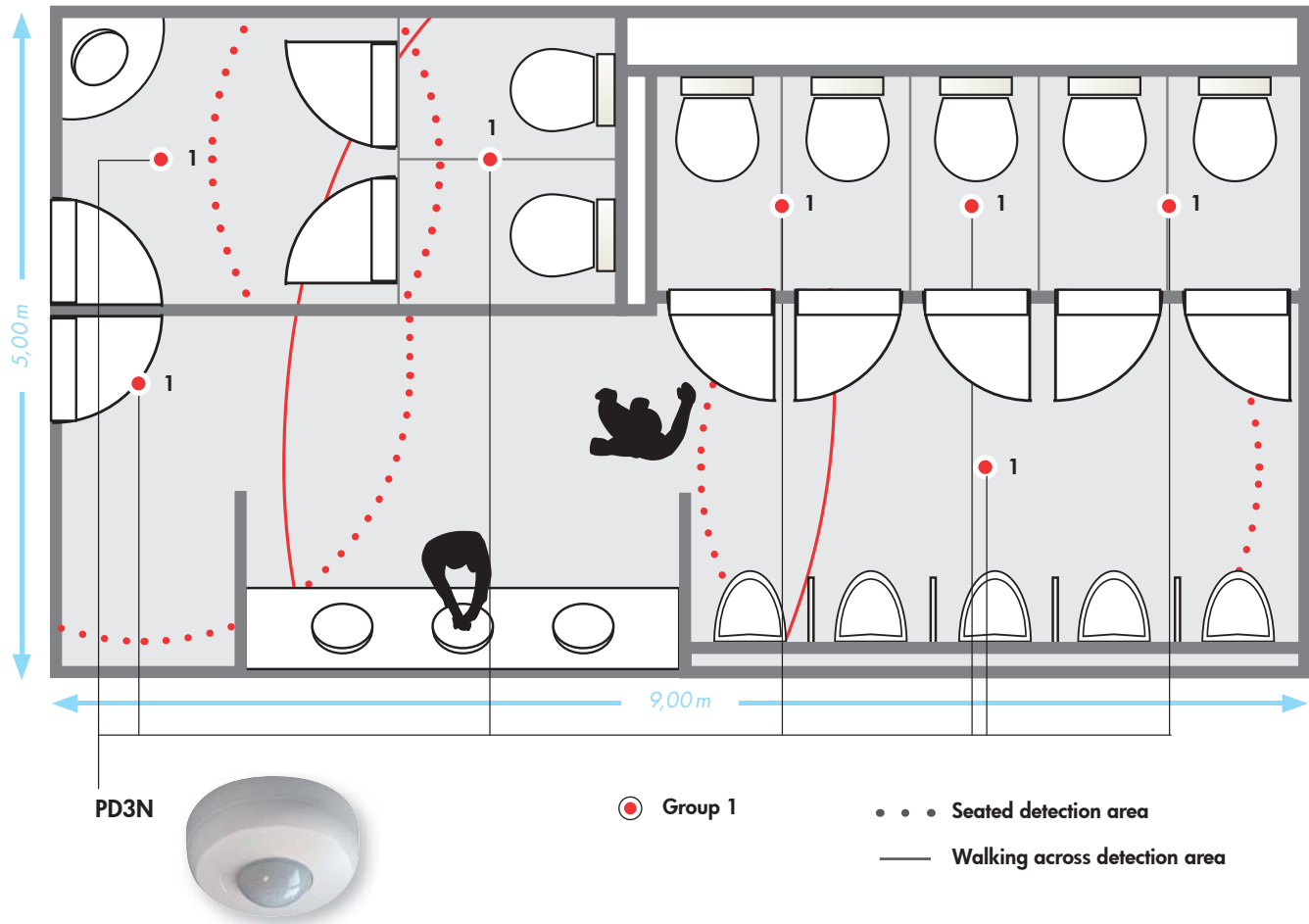
Standard operation with noise sensitivity

Alternatives:

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

Description	Colour	Page	Part number
Indoor 180-R without device	–	119	92665
Indoor 180-R with device	pure white, RAL9010	119	92623

APPLICATION EXAMPLE 18: WASH ROOMS WITH PD3N OR PD3N ACOUSTIC



▪ **Application description:**
Wash rooms with closed WC booths.
Ceiling installation of the motion detectors.

▪ **Building information:**
Type: public toilet without daylight
Room height: 2.70m

▪ **Illumination:**
One lighting group with electronic ballast per room

▪ **Products shown:**
7 each LUXOMAT® PD3N-SM/FM/FC or PD3N-Acoustic

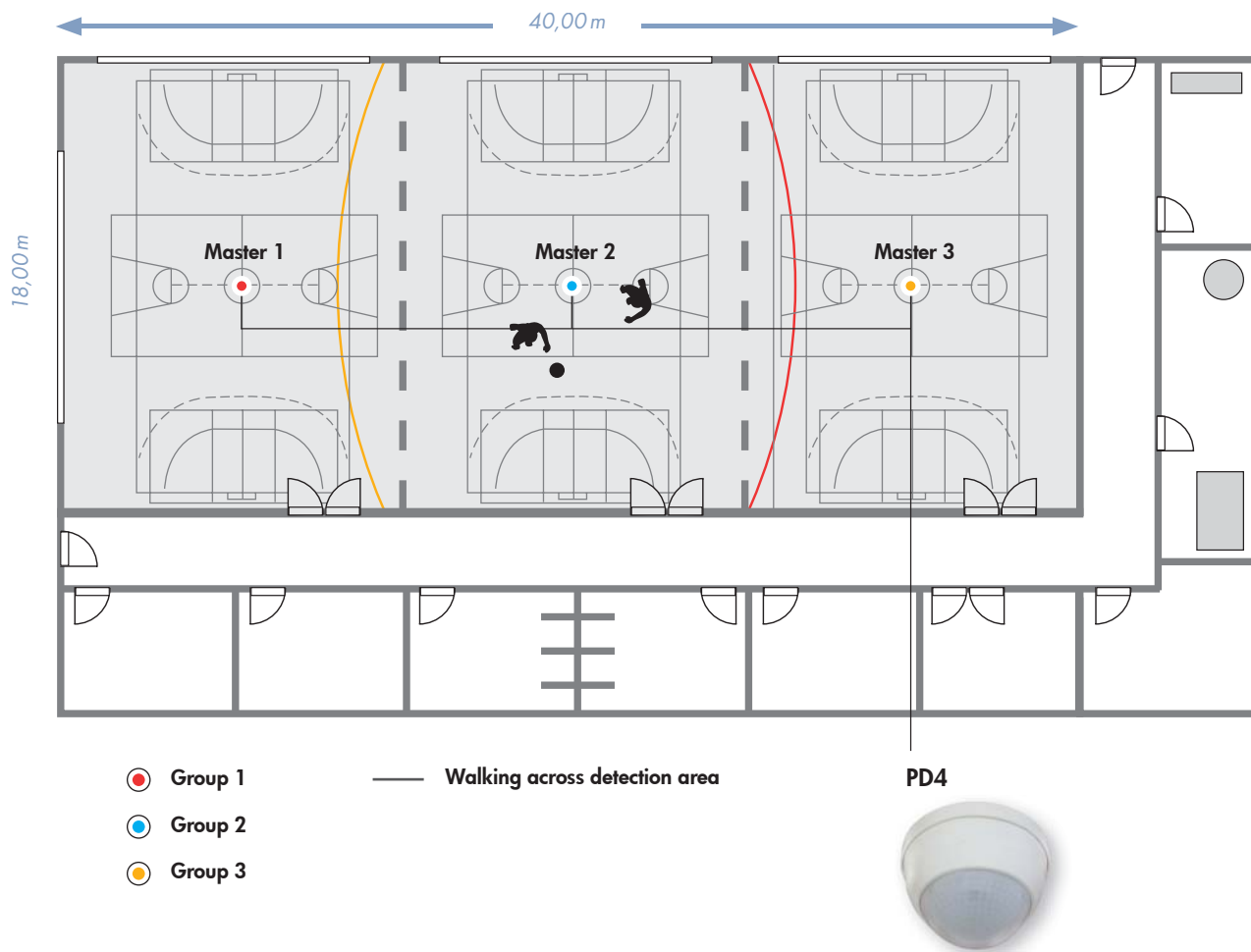
▪ **Device settings:**
Follow-up time: 10min.
Brightness: Day mode (light evaluation inactive) ("sun" symbol)

▪ **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	21	92190
PD3N-1C-FC	white	21	92196
PD3N-1C-FM	white	21	92186
PD3N-1C-SM Acoustic	white	23	92219
PD3N-1C-FM Acoustic	white	23	92184

APPLICATION EXAMPLE 19: TRIPLE GYMNASIUM WITH PD4-MASTER



▪ **Application description:**

Automatic lighting control with occupancy 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 push button and using a remote control.

▪ **Building information:**

Type: gymnasium with daylight
 Dimensions: L 40.00 x W 18.00m
 Room height: 8.00 to 10.00m (in light)

▪ **Illumination:**

One lighting group with electronic ballast per hall section

▪ **Products shown:**

3 each LUXOMAT® PD4-Master device

▪ **Device settings:**

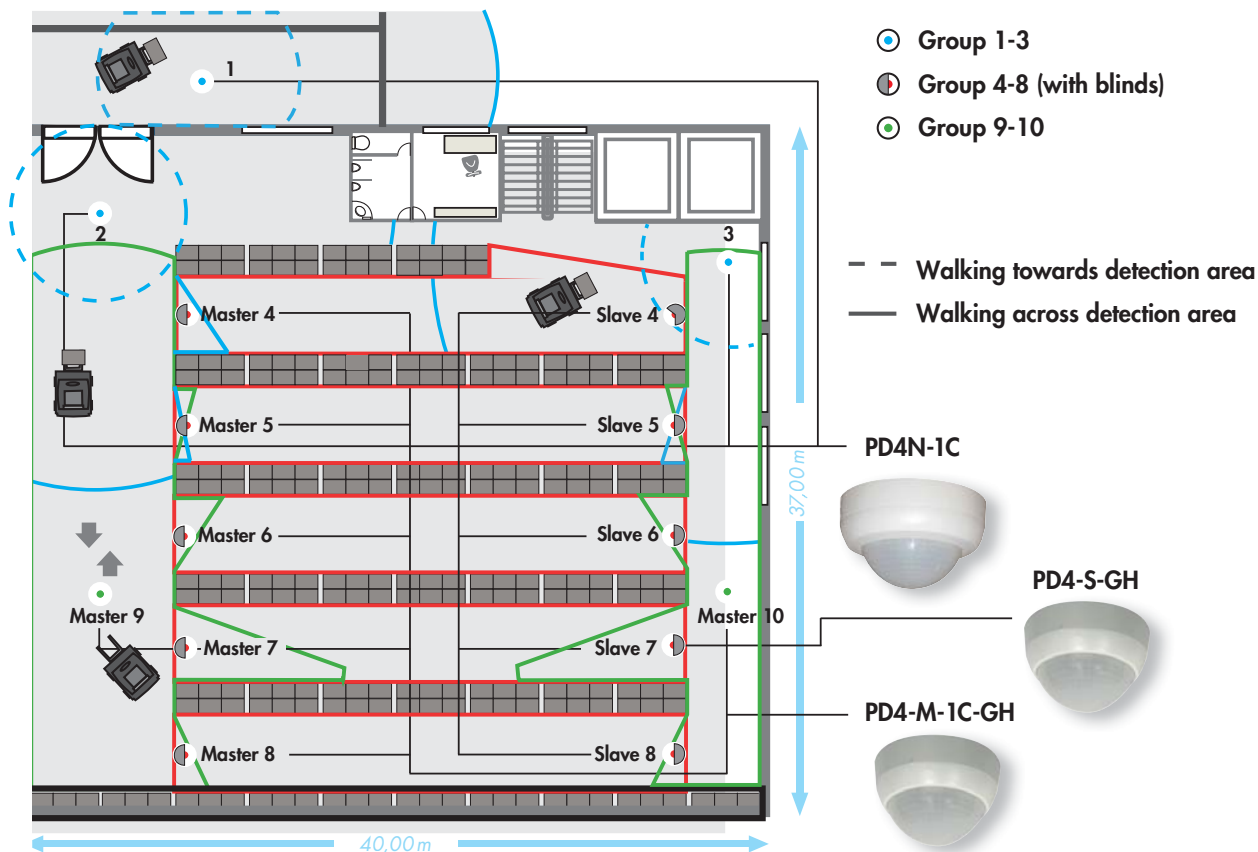
Follow-up time R1: > 5 min.
 Brightness switching value: 500Lux or individual using remote control
 Follow-up time R2: optional

▪ **Connected circuit:**

Master operation for all three lighting groups;
 Master/Slave operation is likewise possible.
 The Master device must always be mounted at the point with the least proportion of daylight.

Description	Colour	Page	Part number
PD4-M-2C-SM	white	56	92140
PD4-M-2C-FC	white	56	92148
PD4-M-2C-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 and/or occupancy 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 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:**

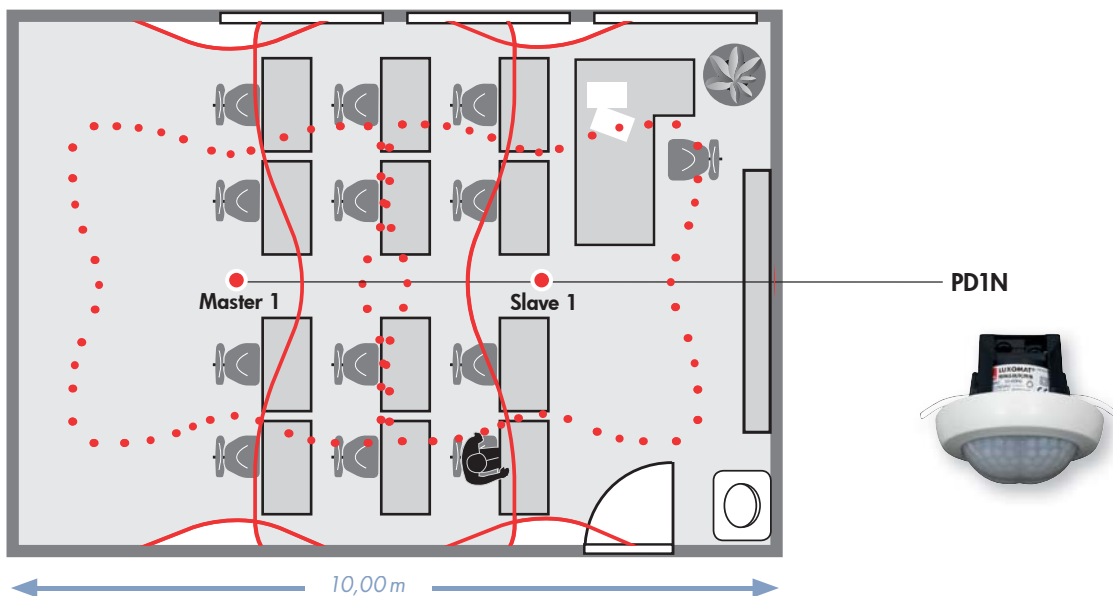
Follow-up time R1: > 5 min.
Brightness switching value: 500 Lux or individual using remote control
Follow-up time R2: optional

▪ **Connected circuit:**

Master operation for all lighting groups

Description	Colour	Page	Part number
PD4N-1C-SM	white	25	92144
PD4N-1C-FC	white	25	92149
PD4N-1C-FM	white	25	92151
PD4-M-1C-GH-SM	white	45	92245
PD4-S-GH-SM	white	90	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 controlled dependent on presence and daylight. Despite the automatic control, it should be made possible to manually influence the switching condition via push 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 device
1 each LUXOMAT® PD1N-Master device

▪ PD1N-Master device settings:

Follow-up time R1: 5 min.
Brightness switching value R1: 300 Lux
Follow-up time R2: optional

▪ Connected circuit:

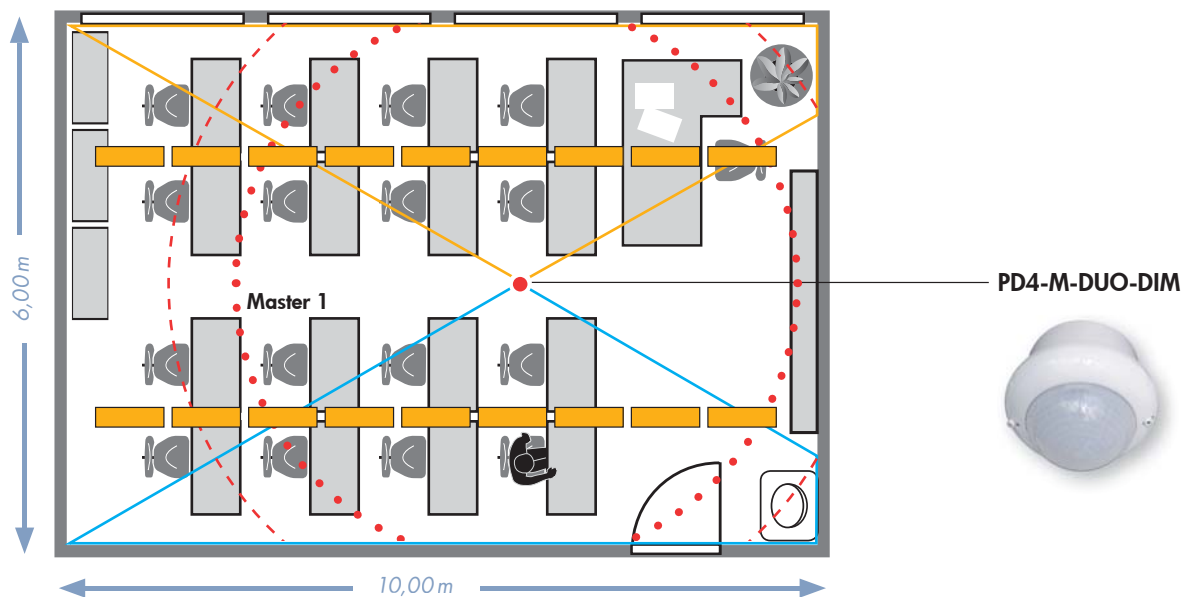
Master/Slave switching with optional push button operation. The Master device must always be mounted at the point with the least proportion of daylight.

▪ Note:

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

Description	Colour	Page	Part number
PD1N-M-2C-SM	white	53	92877
PD1N-M-2C-FC	white	53	92874
PD1N-M-2C-FM	white	53	92870
PD1N-S-SM	white	86	92878
PD1N-S-FC	white	86	92875
PD1N-S-FM	white	86	92872

APPLICATION EXAMPLE 22: CLASSROOM WITH 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 push 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
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:

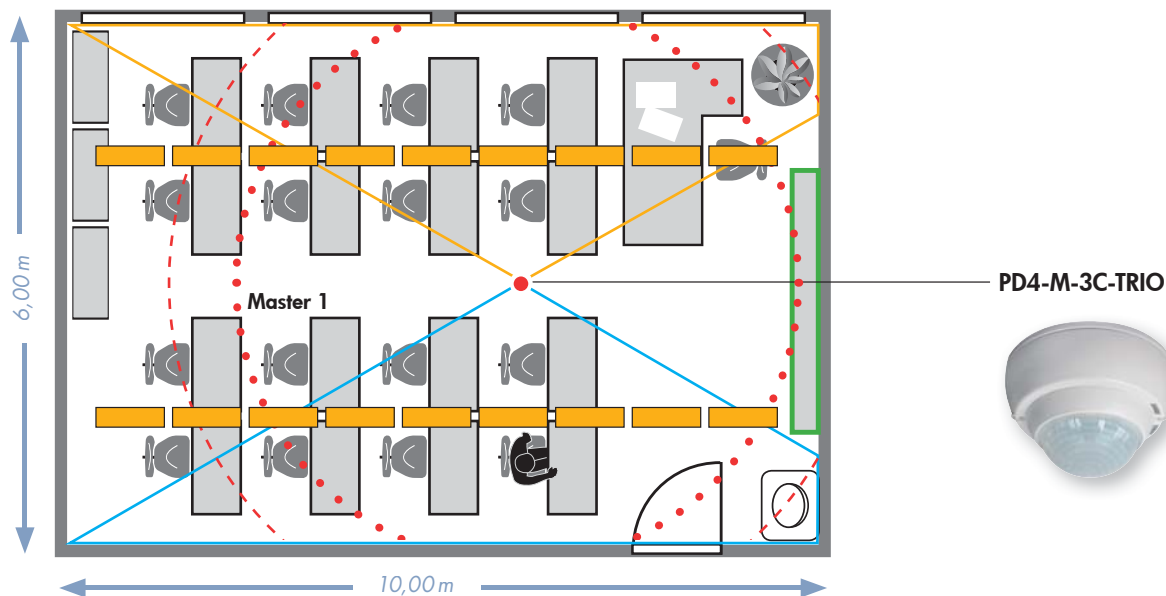
Follow-up time R1: > 5 min.
Brightness switching value R1: 300Lux or individual using remote control
Follow-up time R2: optional

▪ **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	72	92271
PD4-M-DUO-DIM-FC	white	72	92272
PD4-M-DUO-DIM-FM	white	72	92273

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



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

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:

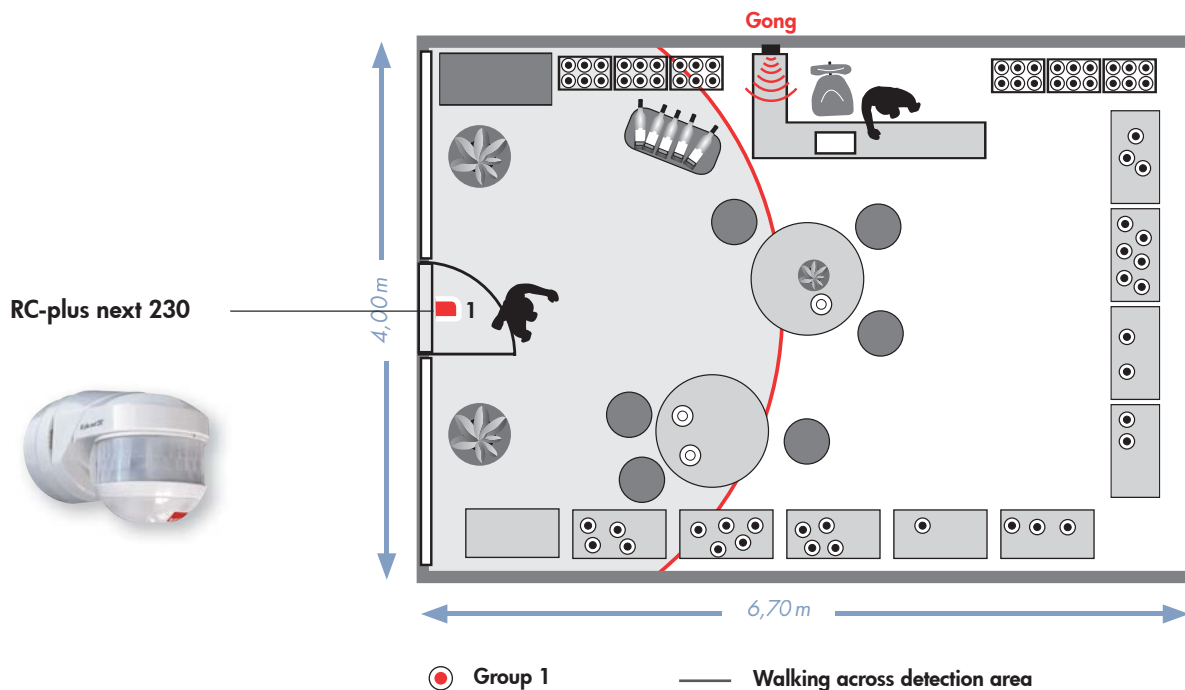
Follow-up time R1: > 5 min.
Brightness switching value R1: 300Lux or individual using remote control
Follow-up time R2: optional

Connected circuit:

Standard operation

Description	Colour	Page	Part number
PD4-M-3C-TRIO-FC	white	62	92745
PD4-M-3C-TRIO-SM	white	62	92740
PD4-M-TRIO-DIM-FC	white	73	92735
PD4-M-TRIO-DIM-SM	white	73	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: 2.70 m

▪ **Products shown:**

1 LUXOMAT® RC-plus next 230

▪ **Illumination:**

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

▪ **Device settings:**

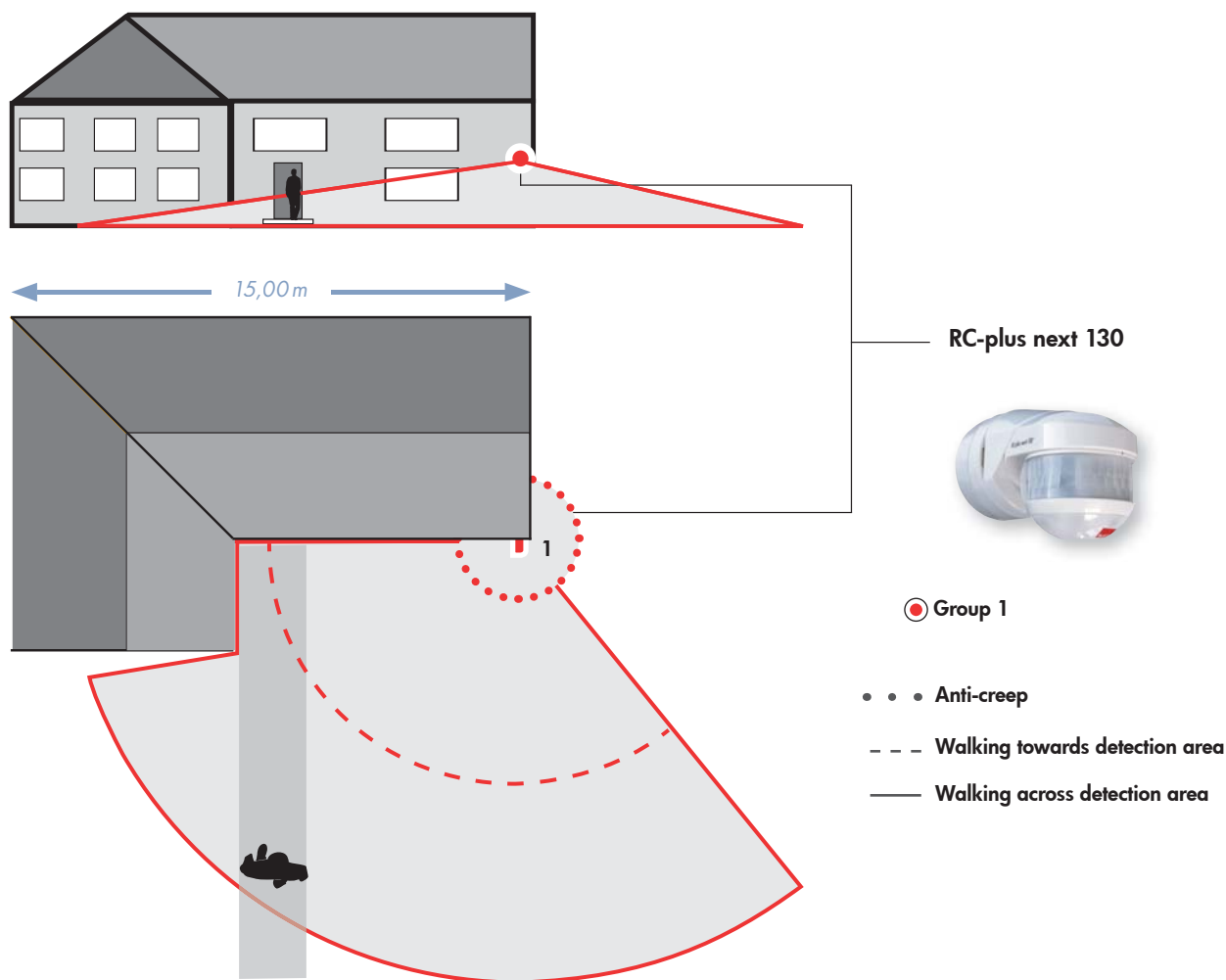
Impulse mode
Brightness: Day mode (light evaluation inactive) ("sun" symbol)

▪ **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



▪ **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 3.00m

▪ **Illumination:**

One light group

▪ **Products shown:**

1 LUXOMAT® RC-plus next 130

▪ **Device settings:**

Follow-up time: 4 min.
Brightness: dusk in progress (symbol "moon", dark)

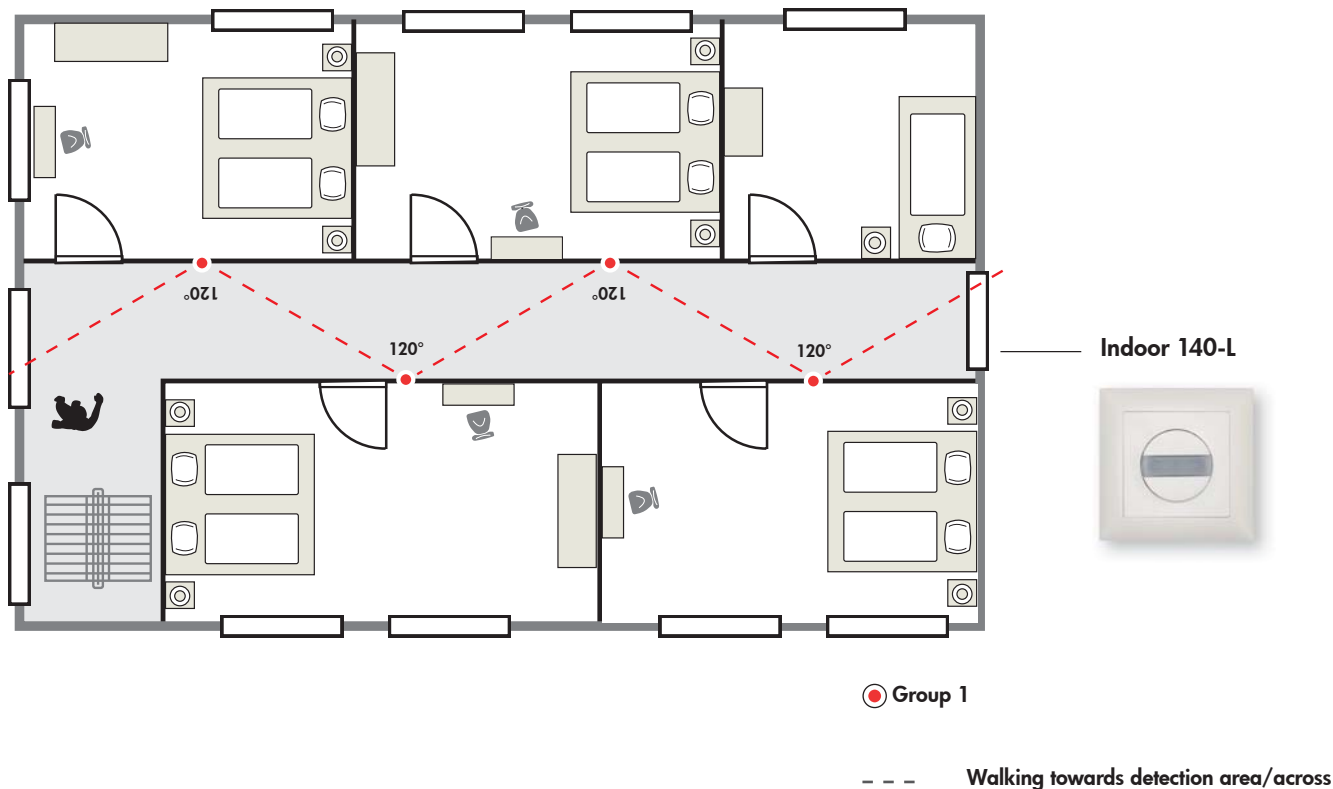
▪ **Connected circuit:**

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



■ **Application description:**

An automatic lighting control with wall switches is to be implemented as a presence detector in a housing/ hotel complex corridor. On-off-switching is to be realized manually by means of the presence detector. The wall switches area is to be lit alternatively in case of undercut brightness threshold.

■ **Building information:**

Type: Living / Hotel floor with different light conditions
Dimensions: L 20,00 x B 2,50 m (up/down stairway)
Room height: 2,70 (in light)

■ **Products shown:**

4 LUXOMAT® Indoor 140-L

■ **Illumination:**

One light group

■ **Device settings:**

Operation mode: halfautomatic mode
Brightness value: Day-time/ Night-time operation or individually adjustable brightness value
Follow-up time: 5 min
LED orientation light: 100 % brightness
LED nightlight: 30 % brightness
LED nightlight: permanent on

■ **Connected circuit:**

Master/ Slave switching. The Master device must always be mounted at the point with the least proportion of daylight. The Master can alternatively be determined at a later date if the installation was realized fully wired.

Description	Colour	Page	Part number
Indoor 140-L without covering	-	118	94325

Part number	Description	Prod./Gr.	Page
10880	Arc extinction kit	06	17
10882	Mini-Arc extinction kit	06	17
32697	Blinds for RC-plus next	06	17
32698	Blinds for LC-plus 280	06	17
32699	Blinds for LC-Click-N	06	17
32702	Blinds for PD9	06	33
33207	Blinds for PD9-GH	06	33
33232	Blinds for LC-Mini	06	17
33233	Blinds for Indoor 180	06	117
35126	Centre plate for modular push button (angled corners)	06	117
35127	Centre plate for modular push button (rounded corners)	06	117
36635	Blinds for PD2-FC	06	111
91001	LC-Click-N 140 white	13	13
91002	LC-Click-N 200 white	01	14
91008	LC-plus 280 white	01	12
91011	LC-Click-N 140 brown	13	13
91012	LC-Click-N 200 brown	01	14
91018	LC-plus 280 brown	13	12
91021	LC-Click-N 140 black	13	13
91022	LC-Click-N 200 black	01	14
91028	LC-plus 280 black	01	12
91048	LC-plus 280 silver	13	12
91051	LC-Mini 120 white	13	15
91052	LC-Mini 180 white	13	16
91071	LC-Mini 120 black	13	15
91072	LC-Mini 180 black	13	16
92000	IR-RC	09	143
92018	Protection against unwanted removing for Indoor 180	06	117
92040	IR-PD4-SP	09	146
92077	IR-PD-1C-E	09	151
92090	IR-RC-Mini	09	143
92092	IR-PD-DUO	09	146
92093	IR-LC-Mini	09	144
92094	IR-PD-DALI	09	148
92095	IR-LC-plus	09	143
92097	IR-PD4-TRIO	09	147
92098	IR-PD-DIM-Mini	09	147
92100	Wall bracket for remote control 80 x 60 x 8 mm	06	151
92102	IR-PD4-TRIO-3C	09	146
92104	IR-PD4-TRIO-DALI	09	148
92105	IR-PD3N	09	144
92112	IR-PD-DALI-Mini	09	148
92113	PD2N-ITMS-FC	13	98
92114	IR-PD-DIM-HKL	09	147
92115	IR-PD3N-2C	09	144
92116	IR-PD-DALI-1C	09	149
92119	PD2N-ITMS-RR-FC	13	99
92121	SM-Socket IP54 for PD1N-FM	06	53
92122	IR-PD-DALI-E	09	149
92123	IR-PD-KNX	09	149
92135	Indoor 180-S covering included	13	126
92136	Indoor 180-M-2C covering included	13	125
92139	Frame IP54 for Indoor 180, pure white	06	119
92140	PD4-M-2C-SM	13	55
92141	SM-Socket for Indoor 180	06	119
92142	PD4-S-SM	13	88
92143	PD4-M-2C-C-FC	13	56
92144	PD4N-1C-SM	13	25
92147	PD4-M-DIM-SM	13	64
92148	PD4-M-2C-FC	13	55
92149	PD4N-1C-FC	13	25
92150	PD2-M-2C-SM	13	54
92151	PD4N-1C-FM	13	25
92152	PD2-S-SM	13	87
92153	PD2-M-DIM-SM	13	63
92154	PD2-M-2C-11-48V-3A-SM	13	97
92155	PD2-M-2C-FM	13	54
92156	PD2-S-FM	13	87

Part number	Description	Prod./Gr.	Page
92157	PD2-M-DIM-FM	13	63
92158	PD4-M-2C-DUO-SM	13	58
92159	IR-PD-Mini	09	145
92160	IR-PD	09	144
92161	Socket IP54 for PD2- and PD4-SM	06	41
92163	PD4-S-FM	13	88
92164	PD2-M-2C-11-48V-3A-FC	13	97
92165	PD2-M-2C-FC	13	54
92166	PD2-S-FC	13	87
92167	PD2-M-DIM-FC	13	63
92184	PD3N-1C-FC Acoustic	13	23
92185	IR-ITMS	09	149
92186	PD3N-1C-FM	01	21
92188	PD3N-2C-FM	13	24
92190	PD3N-1C-SM	01	21
92196	PD3N-1C-FC	01	21
92198	PD3N-2C-FC	13	24
92199	Wire basket BSK (Ø 200 x 100)	06	33
92200	IR-PDim	09	147
92201	IR-PD9	09	146
92215	IR-PD4-GH	09	146
92217	PD4-M-DIM-C-FC	13	65
92218	PD4-M-DIM-C-SM	13	65
92219	PD3N-1C-SM Acoustic	13	23
92245	PD4-M-1C-GH-SM	13	45
92247	PD4-M-DIM-FC	13	64
92248	PD4-M-DIM-FM	13	64
92249	CdS-FC	10	134
92251	PD4-M-2C-DUO-FC	13	58
92252	PD4-M-2C-DUO-FM	13	58
92254	PD4-S-FC	13	88
92255	PD4-M-2C-FM	13	55
92258	PD2-M-DALI/DSI-FC	24	73
92260	Blinds for PD2- and PD4 SM	06	111
92265	PD4-S-GH-SM	13	90
92270	PD4N-1C-C-SM	13	26
92271	PD4-M-DUO-DIM-SM	13	71
92272	PD4-M-DUO-DIM-FC	13	71
92273	PD4-M-DUO-DIM-FM	13	71
92274	PD4N-1C-C-FC	13	26
92275	PD4-M-DALI/DSI-FC	24	74
92276	PD4-M-DUO-DALI/DSI-FC	24	82
92279	PD4-M-DALI/DSI-SM	24	74
92280	PD2-M-DALI/DSI-SM	24	73
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	66
92313	Blinds for PD4-FC / -FM	06	111
92315	PD5-M-1C-Clip	13	46
92316	PD5-S-Clip	13	92
92320	Mini-Clip LR1	10	137
92327	Cover ring for PD9 (Ø 45 mm)	06	28
92328	PD4-M-DALI/DSI-C-FC	24	75
92346	Cover ring for PD9 (Ø 45 mm)	06	28
92367	CdS-T-SM	10	130
92368	IR-CdS-T	09	150
92369	CdS-SM	10	133
92375	Socket IP65 for PD4-SM	06	42
92376	SM-Socket (IP65) for SM-devices	06	43
92386	Socket IP54 for PD4-TRIO-SM	06	61
92396	IR-CdS-FP	09	150
92440	PD4-M-2C-C-SM	13	57
92441	Wall fixture for PD4-SM	06	26
92442	PD4-S-C-SM	13	89
92443	PD4-M-2C-C-FM	13	56
92444	PD4-S-C-FC	13	89
92445	PD4-S-C-FM	13	89
92467	Wire basket BSK (Ø 164 x 143)	06	111
92475	IR-PD-2C	09	145
92479	IR-PD-LD	09	145

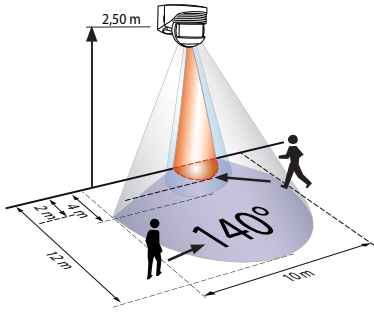
Part number	Description	Prod./Gr.	Page
92480	PD4-M-1C-C-PS-FC	13	44
92485	PD4-M-1C-C-PS-SM	13	44
92486	PD2-M-DALI/DSI-1C-FC	24	78
92488	PD4-M-DALI/DSI-1C-FC	24	78
92507	PD4-M-DIM-HVAC-3A-FC	13	69
92520	IR-PD-1C	09	145
92530	PD4-M-DALI/DSI-C-SM	24	75
92547	PD4-M-DIM-HVAC-16A-FC	13	69
92550	PD2-M-1C-SM	13	41
92555	PD2-M-1C-FM	13	41
92565	PD2-M-1C-FC	13	41
92575	PD4-M-1C-FM	13	42
92576	PD3N-1C-NO-PF-FC	01	22
92577	IR-CdS	09	150
92580	PD4-M-1C-SM	13	42
92583	PD11-M-1C-FLAT-FC	13	52
92585	PD4-M-1C-FC	13	42
92586	PD4-M-1C-C-FC	13	43
92587	PD4-M-1C-C-SM	13	43
92591	PD4-M-DAA4G-FC	24	85
92593	PD11-S-FLAT-FC	13	95
92615	Indoor 180-R-2D covering included (UK)	13	121
92616	Indoor 180-R-2D covering included (EU)	13	121
92621	Indoor 180-R-11-48V-3A covering included	13	122
92622	Indoor 180-T covering included	13	120
92623	Indoor 180-R covering included	13	119
92630	Covering IP20 pure white	06	115
92631	Covering IP20 oyster white	06	115
92632	Covering IP20	06	115
92633	Covering IP20	06	115
92634	Covering IP20	06	115
92649	IR-RC-LD	09	143
92650	Indoor 180-TR covering included	13	123
92652	IR-PD-DALI-LD	09	148
92655	SCT1	36	124
92660	Indoor 180-S covering not included	13	126
92661	Indoor 180-M-2C covering not included	13	125
92664	Indoor 180-T covering not included	13	120
92665	Indoor 180-R covering not included	13	119
92666	Indoor 180-R-11-48V-3A covering not included	13	122
92667	Indoor 180-R-11-48V-RR covering not included	13	122
92668	Indoor 180-SC covering not included	13	123
92681	TS-DD	10	136
92698	PD2-M-DALI/DSI-HVAC-FC	24	79
92699	PD4-M-DALI/DSI-HVAC-FC	24	81
92700	PICO-S-FC	13	95
92709	PD4N-LTMS-RR-FC	13	100
92712	PICO-M-1C-FC	13	51
92721	PD4-S-DAA4G-FC	24	85
92726	IR-Adapter for smartphones	09	150
92730	PD4-M-TRIO-DIM-SM	13	72
92734	PD2N-LON-SM	13	108
92735	PD4-M-TRIO-DIM-FC	13	72
92736	PD2N-LON-FC	13	108
92740	PD4-M-3C-TRIO-SM	13	61
92743	PD4-M-DAA4G-SM	24	85
92745	PD4-M-3C-TRIO-FC	13	61
92746	PD4-M-TRIO-C-3P-FC	13	60
92750	PD4-M-TRIO-DALI/DSI-SM	24	83
92751	PD4-M-TRIO-2DALI/DSI-1C-SM	24	84
92755	PD4-M-TRIO-DALI/DSI-FC	24	83
92756	PD4-M-TRIO-2DALI/DSI-1C-FC	24	84
92759	PD4-S-DAA4G-SM	24	85
92760	PD4-M-2C-DS-FC	13	59
92831	PD4N-LON-FC	13	109
92834	PD4N-LON-SM	13	109
92835	IR-PD-LON	09	151

Part number	Description	Prod./Gr.	Page
92870	PD1N-M-2C-FM	13	53
92872	PD1N-S-FM	13	86
92874	PD1N-M-2C-FC	13	53
92875	PD1N-S-FC	13	86
92876	PD1N-M-DIM-FC	13	62
92877	PD1N-M-2C-SM	13	53
92878	PD1N-S-SM	13	86
92880	PD2-KNX-SM	18	101
92881	PD2-KNX-FC	18	101
92882	PD2-KNX-FM	18	101
92883	PD4-KNX-SM	18	102
92884	PD4-KNX-FC	18	102
92885	PD4-KNX-FM	18	102
92886	PD4-KNX-C-SM	18	103
92887	PD4-KNX-C-FC	18	103
92888	PD4-KNX-C-FM	18	103
92889	PD4-KNX-GH-SM	18	104
92890	PD9-KNX-FC	18	105
92891	PD9-KNX-GH-FC	18	106
92892	Indoor 180-KNX	18	127
92893	PD11-KNX-FLAT-FC	18	107
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	47
92902	PD9-1C-FC white	13	28
92905	PD9-S-FC white	13	93
92910	PD9-M-DIM-FC white	13	67
92912	PD9-M-1C-SDB-IP65-FC white	13	49
92913	PD9-M-1C-SDB-IP65-FC silver	13	49
92915	PD9-S-SDB-FC	13	49
92917	PD9-DIGI-FC	13	27
92920	PD9-M-DALI/DSI-FC	24	76
92923	PD9-M-1C-GH-FC white	13	48
92924	PD9-M-DIM-GH-FC white	13	68
92928	PD9-S-GH-FC white	13	93
92931	PD9-M-1C-SDB-IP65-GH-FC white	13	50
92933	PD9-S-SDB-GH-FC	13	50
92934	PD9-1C-GH-FC white	13	29
92938	PD9-M-DALI/DSI-GH-FC	24	77
92973	PD9-M-DIM+HVAC-FC	13	70
92976	PD9-M-2C-FC	13	57
92985	PD9-1C-12-48V-FC	13	30
92989	PD9N-LON-FC	13	110
94325	Indoor 140-L	13	118
94327	Indoor 140-L UK version	13	118
94328	Indoor 140-L covering included	13	118
94341	Covering IP20 anthracite	06	118
94342	Covering IP20 pure white shining	06	118
94343	Covering IP20 pure white	06	118
94344	Covering IP20 oyster white	06	118
94345	Centre plate 63 x 63 mm	06	118
94346	Centre plate 55 x 55 mm	06	118
94401	HF-MD1	27	31
94402	HF-MD2-SM	27	32
94417	HF-MD1 ESL	27	31
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	Socket for outside corner RC-plus next	06	8
97005	Socket for inside corner RC-plus next	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

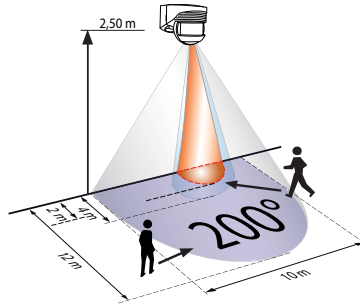
SELECTION GUIDE

CHOOSE THE APPLICATIVE DETECTOR			FOR SWITCHING		FOR DIMMING 1-10 VDC		DALI/DSI-OUTPUT		KNX OUTPUT		SLAVES	
			DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
Office ≤ 13 m²		False ceiling	PD2-M-1C-FC	92565	PD2-M-DIM-FC	92167	PD2-M-DALI/DSI-FC	92258	PD2-KNX-FC	92881	PD2-S-FC	92166
		Surface mounting	PD2-M-1C-SM	92550	PD2-M-DIM-SM	92153	PD2-M-DALI/DSI-SM	92280	PD2-KNX-SM	92880	PD2-S-SM	92152
		False ceiling							PD11-KNX-FLAT	92893		
		Surface mounting	PICO-M-1C	92712							PICO-S-FC	92700
Open-plan office, Meeting room		False ceiling	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4-KNX-FC	92884	PD4-S-FC	92254
		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-AP	92279	PD4-KNX-SM	92883	PD4-S-SM	92142
Hallway, Corridor		False ceiling	PD4-M-2C-C-FC	92143	PD4-M-DIM-C-FC	92217	PD4-M-DALI/DSI-C-FC	92328	PD4-KNX-C-FC	92887	PD4-S-C-FC	92444
		Surface mounting	PD4-M-2C-C-SM	92440	PD4-M-DIM-C-SM	92218			PD4-KNX-C-SM	92886	PD4-S-C-SM	92442
		Wall mount	Indoor 140-L	94325								
Entrance hall		False ceiling	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4-KNX-FC	92884	PD4-S-FC	92254
		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4-KNX-SM	92883	PD4-S-SM	92142
Underground car park		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4-KNX-SM	92883	PD4-S-SM	92142
Individual office		False ceiling	PD1N-M-2C-FC	92874	PD1N-M-DIM-FC	92876	PD4-M-DALI/DSI-FC	92275	PD4-KNX-FC	92884	PD1N-S-FC	92875
		Surface mounting	PD1N-M-2C-SM	92877	PD1N-M-DIM-SM	92879	PD4-M-DALI/DSI-SM	92279	PD4-KNX-SM	92883	PD1N-S-SM	92878
Bathroom		False ceiling	PD9-M-1C-SDB-IP65-FC	92912							PD9-S-SDB-FC	92915
Classroom		FC for 2 light zones	PD4-M-2C-DUO-FC	92251	PD4-M-DUO-DIM-FC	92272	PD4-M-DUO-DALI/DSI-FC	92276			PD4-S-FC	92142
		FC for 3 light zones	PD4-M-3C-TRIO-FC	92745	PD4-M-TRIO-DIM-FC	92735	PD4-M-TRIO-DALI/DSI-FC	92755			PD4-S-FC	92142
High-bay warehouse		Surface mounting	PD4-M-1C-GH-SM	92245					PD4-KNX-GH-SM	92889		
Staircase		Renovation Wall switch / Stair light timer switch	Indoor 180-TR/SCT1	92650 92655								
		Flush mounting	Indoor 180-R	92623					Indoor 180-KNX	92892		
		Wall mount	LC-plus 280	91008								
Toilets, Anterooms, Technical rooms		False ceiling	PD3N-1C-FC	92196								
		Surface mounting	PD3N-1C-SM	92190								
		False ceiling	PD9-1C-FC	92902								
2-wire with relay		Flush mounting	Indoor 180-R-2D	92616								
House entrance, Range max. 20 m		Detection area 130° + 360°	RC-plus next 130	97001								
		Detection area 230° + 360°	RC-plus next 230	97002				RC-plus next 230 KNX	92849			
		Detection area 280° + 360°	RC-plus next 280	97003								
House entrance, Range max. 16 m		Detection area 280° + 360°	LC-plus 280	91008								
House entrance, Range max. 12 m		Detection area 140° + 180°	LC-Click-N 140	91001								
		Detection area 200° + 180°	LC-Click-N 200	91002								

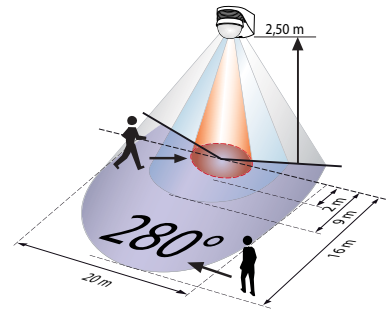
LC-Click-N 140



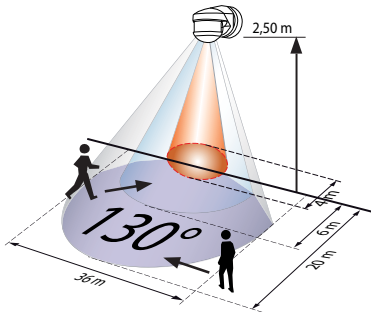
LC-Click-N 200



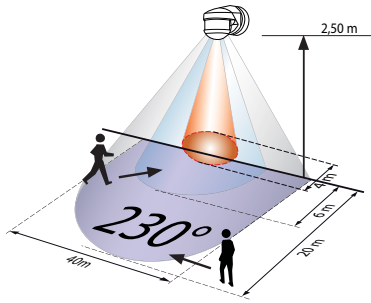
LC-plus 280



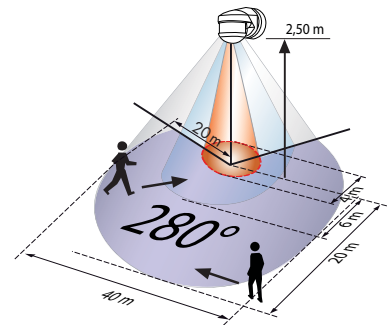
RC-plus next 130



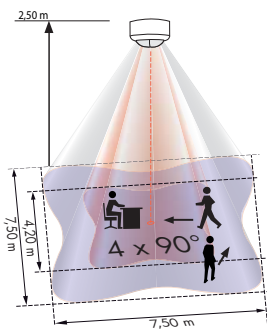
RC-plus next 230



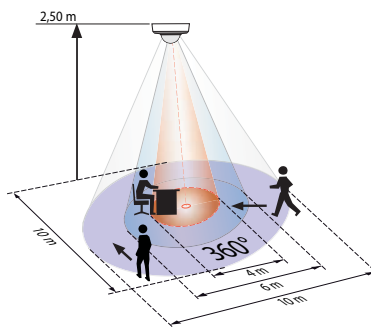
RC-plus next 280



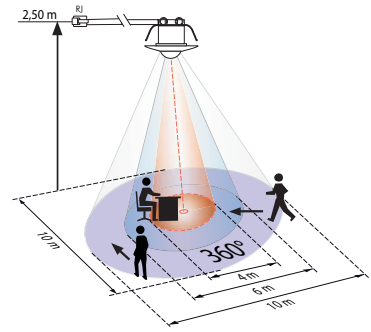
PD1N



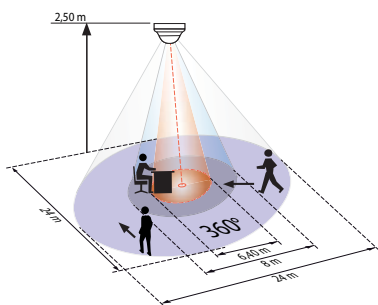
PD2/ PD3N



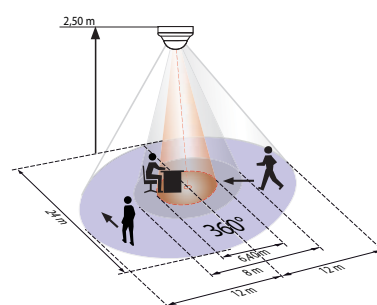
PD9/PICO



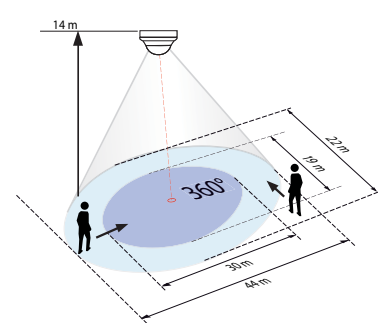
PD4



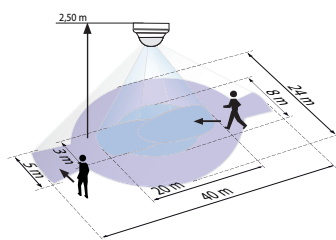
PD4-DUO / PD4-TRIO



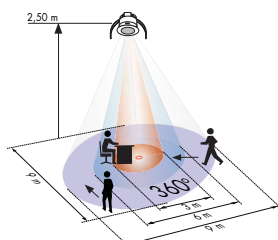
PD4-GH



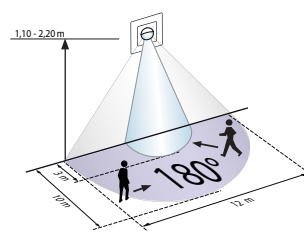
PD4-C



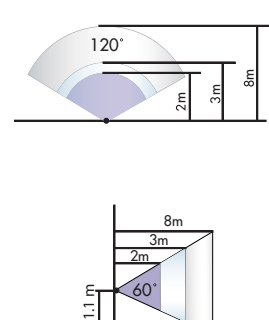
PD11



Indoor 180



Indoor 140-L





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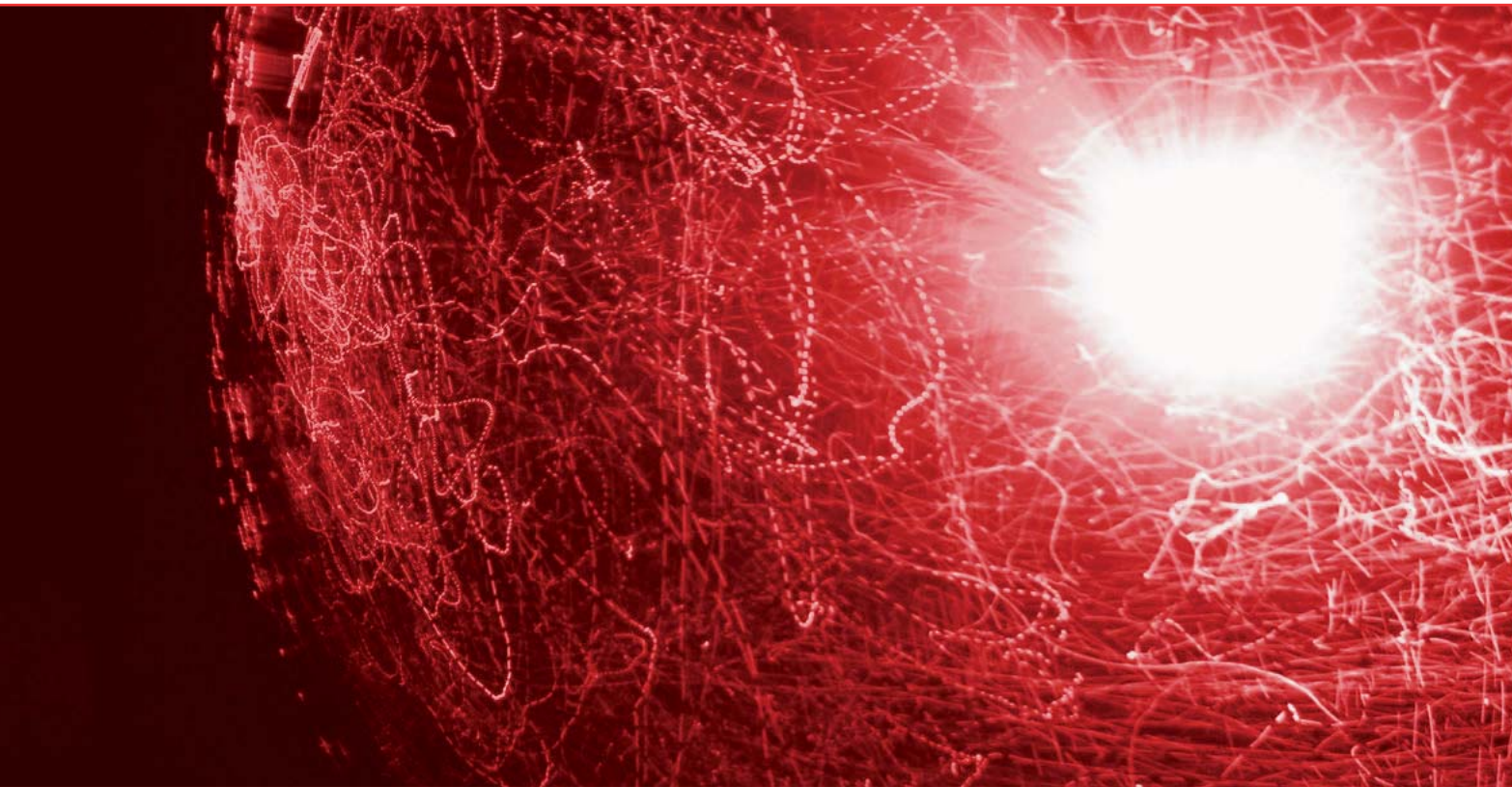
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