B.E.G. LUXOMAT®

ENVIRONMENT

Occupancy and Motion detectors

Symbol	Description
∼	Power supply
⏻	Power consumption
Ⓐ	Typical power input
	Detection area
	Range (approx.) in m
IP □	Degree of protection
	Ambient temperature
□	Housing
	Switching power
	Switch-on threshold / set value brightness
	Follow-up time
	Cable length
)))	Frequency
1-10 V	1-10 V dim output with Master function
DALI	DALI connection with Master function
Ⓢ	Slave device output voltage
⊓	Pulse function

Symbol	Description
	Analog output of temperature change
	Analog output of set value brightness change
KNX	KNX BUS connection
LON	LON BUS connection
↑	Recommended mounting height
100 h	Burn-in function
%⊙	Orientation light
	Night light
!	Mandatory mounting height
	Temperature range
ON ⏱	Switch-on delay
OFF ⏱	Switch-off delay
ON/OFF ⏱	Switch-on and off delay
DALI	DALI Compact
DALI	DALISYS
	Sound sensor

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

Specificaton by technical data and detection area

since
1975

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 B.E.G.'s range of daylight- and presence-depending 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.

In 2006, B.E.G. resumed responsibility for the handling of the sales of its entire production range of motion detectors, automatic lights, energy-saving floodlights, emergency lights and photoelectric switches from the previous sales partner with the aim of re-establishing close ties with its customers. 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 KNX Room Controller RCT, which is developed in-house, 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. LUXOMAT®net, B.E.G. SMARTHOME®, 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 (LED)	M-2C (12-48V)	M-2C-DUO	M-3C-TRIO	M-DIM	M-DIM-HKL	M-DUO-DIM	M-TRIO-DIM	DALI (DAA4G)	DALI-1C	DUO-DALI	TRIO-DALI	S	HF
RC-plus next N 130	8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RC-plus next N 230	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RC-plus next N 280	10	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LC-plus 280	11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LC-Click-N 140	12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LC-Click-N 200	13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LC-Mini 120	14	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LC-Mini 180	15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PD2	–	–	40,52	53,54	–	–	64	–	–	–	–	74	79,80	–	96	–
PD3N	20,21	23	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PD3N-Micro	22	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PD4/PD4N	24	–	41	55	58	61	65	70	72	73	75,86	81,82	83	84,85	87,97	–
PD4-PS-C	–	–	43	–	–	–	–	–	–	–	–	–	–	–	–	–
PD4-DS	–	–	–	59	–	–	–	–	–	–	–	–	–	–	–	–
PD4-C/PD4N-C	25	–	42	56	–	–	66	–	–	–	76	–	–	–	98	–
PD4-GH	–	–	44	–	–	–	–	–	–	–	–	–	–	–	99	–
PD4-TRIO-C-3P	–	–	–	60	–	–	–	–	–	–	–	–	–	–	–	–
PD5	–	–	45	–	–	–	67	–	–	–	–	–	–	–	100	–
PD9-DIGI	26	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
PD9	27	–	46	29,57	–	–	68	71	–	–	77	–	–	–	101	–
PD9-GH	28	–	47	–	–	–	69	–	–	–	78	–	–	–	102	–
PD9-SDB	–	–	48	–	–	–	–	–	–	–	–	–	–	–	–	–
PD9-SDB-GH	–	–	49	–	–	–	–	–	–	–	–	–	–	–	–	–
PD11	–	–	51	–	–	–	–	–	–	–	–	–	–	–	104	–
Indoor 140-L	88	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Indoor 180	–	–	–	95	–	–	–	–	–	–	–	–	–	–	105	–
Indoor 180-R	89	–	–	94	–	–	–	–	–	–	–	–	–	–	–	–
Indoor 180-T	90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Indoor 180-R2D	91	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Indoor 180-SC	92	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
HF-MD1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	30
HF-MD2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	31
HF-H-MD1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	32
HF-MD3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	62
HF-MD4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	63

Page sorting of networkable products by description

Detector / Type	KNX-BA	KNX-ST	KNX-DX	LON	LTMS
RC-plus next N 230	–	–	115	–	–
PD2N	116	117	118	133	130,131
PD4N	–	119	120	134	132
PD4N-C	–	–	121	–	–
PD4N-GH	–	–	122	–	–
PD9	–	–	123	135	–
PD9-GH	–	–	124	–	–
PD11-FLAT	–	–	125	–	–
Indoor 180	126	127	128	136	–
Indoor 140-L	–	–	129	–	–

Page sorting of photo electric switches by description

Detector / Type	1C	DALI	DIM	DIN rail
CdS-T	150	–	–	–
CdS	153,154	151	152	–
CdS-R	155	–	–	–
TS-DD	–	–	–	156
MiniClip LR1	157	–	–	–

TABLE OF CONTENTS

B.E.G.

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 N and LC-plus 280 – these and other 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 follow-up time 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	External corner mounting	Motion detection	Remote control-capable	Range	Detection angle
RC-plus next N 130	93321 – white 93324 – brown 93323 – black	8	■	■	□	■	■	20 m	130°
RC-plus next N 230	93331 – white 93334 – brown 93333 – black 93346 – silver	9	■	■	□	■	■	20 m	230°
RC-plus next N 280	93341 – white 93344 – brown 93343 – black	10	■	■	■	■	■	20 m	280°
LC-plus 280	91008 – white 91018 – brown 91028 – black 91048 – silver	11	■	–	■	■	■	16 m	280°
LC-Click-N 140	93041 – white 93051 – brown 93061 – black	12	■	–	–	■	–	12 m	140°
LC-Click-N 200	93042 – white 93052 – brown 93062 – black	13	■	–	–	■	–	12 m	200°
LC-Mini 120	91051 – white 91071 – black	14	■	–	–	■	–	10 m	120°
LC-Mini 180	91052 – white 91072 – black	15	■	–	–	■	–	10 m	180°

□ Accessory required

RC-plus next – The premium class

Mounting types

180°   10°

Special features

Blinds and cover

hidden adjustment elements for follow-up time, range and switch-on threshold

Cable entry from above, below or behind

LUXOMAT® RC-plus next N 130

brown

black

white

ⓘ 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
- Easy 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

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages on request)
- approx. 0.5 W
- 130°
- 2.5 m
- 121 x 71 x 85 mm
- IP54 / Class II
- -25 °C to +50 °C
- Polycarbonate, UV-resistant
- **Channel 1 (lighting control)**
  3000 W, cos φ = 1
  1500 VA, cos φ = 0.5
  max. inrush current Ip (20ms) = 165 A
  µ contact, NO contact with tungsten pre-make contact
- 15 sec - 16 min, Pulse
- 2 - 2000 Lux
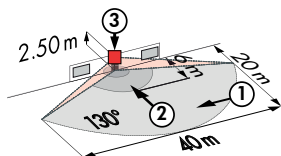
① Walking across
② Walking towards
③ Anti-creep zone

Description	Colour	Part Number
RC-plus next N 130	white	93321
RC-plus next N 130	brown	93324
RC-plus next N 130	black	93323
Accessory		
IR-RC	–	92000
IR-RC-Mini	–	92090
IR-RC-LD	–	92649
IR-Adapter for Smartphones	black	92726
Outside corner socket for RC-plus next N	white/ brown/ black	97004/ 97014/ 97024
Inside corner socket for RC-plus next N	white	97005
Wire basket BSK (Ø 164 x 143 mm)	white	92467
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® RC-plus next N 230

brown

black

white

silver

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz (can also be supplied with other operating voltages on request)
⏻	approx. 0.5 W
🔊	230°
↥	2.5 m
⌐	121 x 71 x 85 mm
IP □	IP54 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
⚡	**Channel 1 (lighting control)** 3000 W, cos φ = 1 1500 VA, cos φ = 0.5 max. inrush current Ip (20ms) = 165 A µ contact, 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
- Two independent sensors with independent mechanical range adjustment
- Different follow-up time depending on direction of movement
- Adjustable ball head
- Easy 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
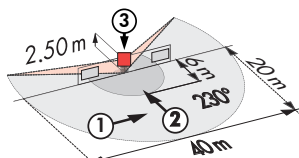
① Walking across
② Walking towards
③ Anti-creep zone

Description	Colour	Part Number
RC-plus next N 230	white	93331
RC-plus next N 230	brown	93334
RC-plus next N 230	black	93333
RC-plus next N 230	silver	93346
Accessory		
IR-RC	–	92000
IR-RC-Mini	–	92090
IR-RC-LD	–	92649
IR-Adapter for Smartphones	black	92726
Outside corner socket for RC-plus next N	white/ brown/ black/ silver	97004/ 97014/ 97024/ 97043
Inside corner socket for RC-plus next N	white	97005
Wire basket BSK (Ø 164 x 143 mm)	white	92467
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® RC-plus next N 280

brown

black

white

ⓘ PRODUCT INFORMATION

- Motion detector with 280° detection area and anti-creep zone
- Three independent sensors with independent mechanical range adjustment
- Different follow-up time depending on direction of movement
- Adjustable ball head
- Easy mounting thanks to plug base
- 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. 0.5 W
🔊	280°
↥	2.5 m
⦜	121 x 71 x 85 mm
IP□	IP54 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	3000 W, cos φ = 1
⚡	1500 VA, cos φ = 0.5 max. inrush current Ip (20ms) = 165 A μ contact, NO contact with tungsten pre-make contact
🕐	15 sec - 16 min, Pulse
☾☀	2 - 2000 Lux
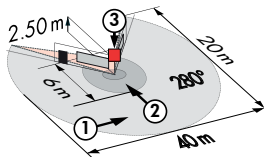
① Walking across
② Walking towards
③ Anti-creep zone

Description	Colour	Part Number
RC-plus next N 280	white	93341
RC-plus next N 280	brown	93344
RC-plus next N 280	black	93343
Accessory		
IR-RC	–	92000
IR-RC-Mini	–	92090
IR-RC-LD	–	92649
IR-Adapter for Smartphones	black	92726
Outside corner socket for RC-plus next N	white/ brown/ black	97004/ 97014/ 97024
Inside corner socket for RC-plus next N	white	97005
Wire basket BSK (Ø 164 x 143 mm)	white	92467
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® LC-plus 280

brown

black

white

silver

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.24 W
	280°
	2.5 m
	110 x 68 x 78 mm
IP □	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
	μ contact, NO contact
⏱	15 sec - 16 min, Pulse
	2 - 2000 Lux

ⓘ PRODUCT INFORMATION

- Motion detector with downward detection for gapless monitoring
- Adjustable ball head
- Easy 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.
- Factory settings 3 min and 20 lux

▸ Wiring diagrams on page 163!
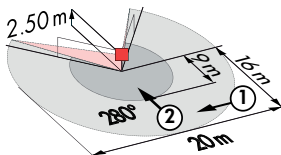
① Walking across
② Walking towards
③ Anti-creep zone

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	–	92093
IR-LC-plus	–	92095
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 164 x 143 mm)	white	92467
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® LC-Click-N 140

white

brown

black

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.4 W
	140°
↥	2.5 m
◩	103 x 78 x 80 mm
IP ▢	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
	µ contact, NO contact
🕐	4 sec - 20 min
◑☼	2 - 2000 Lux

ⓘ PRODUCT INFORMATION

- Motion detector with detection area of 140° and 180° anti-creep zone
- Can be mounted on standard flush-mount boxes
- Adjustable ball head
- Detection area can be restricted with blinds
- Simple socket mounting
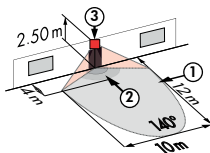
① Walking across
② Walking towards
③ Anti-creep zone

Description	Colour	Part Number
LC-Click-N 140	white	93041
LC-Click-N 140	brown	93051
LC-Click-N 140	black	93061
Accessory		
Wire basket BSK (Ø 164 x 143 mm)	white	92467
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® LC-Click-N 200

brown

black

white

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.4 W
🔊	200°
↥	2.5 m
⟋	103 x 78 x 80 mm
IP ▢	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
	μ contact, NO contact
🕐	4 sec - 20 min
🌙☀	2 - 2000 Lux

ⓘ PRODUCT INFORMATION

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

▸ Wiring diagrams on page 163! *!*

2.50 m
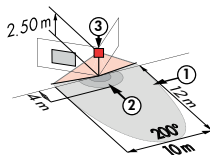
① Walking across
② Walking towards
③ Anti-creep zone

Description	Colour	Part Number
LC-Click-N 200	white	93042
LC-Click-N 200	brown	93052
LC-Click-N 200	black	93062
Accessory		
Wire basket BSK (Ø 164 x 143 mm)	white	92467
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® LC-Mini 120

black

white

■ TECHNICAL DATA

∼	230 V AC +/- 10 % 50 / 60 Hz
⏻	approx. 0.8 W
◀	120°
↑	2.5 m
∟	80 x 55 x 70 mm
IP □	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 µ contact, NO contact
🕑	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

2.50 m

10 m

4 m

7 m

120°

① ②
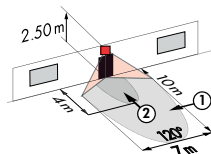
① Walking across
② Walking towards

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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® LC-Mini 180

black

white

■ TECHNICAL DATA

〜	230 V AC +/- 10 % 50 / 60 Hz
⏻	approx. 0.8 W
🔊	180°
↑	2.5 m
⤡	80 x 55 x 70 mm
IP ☐	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
	μ contact, NO contact
🕐	4 sec - 10 min
◗☼	2 - 2000 Lux

ⓘ PRODUCT INFORMATION

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

2.50 m

10 m

4 m

7 m

180°
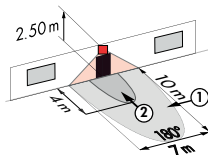
① Walking across
② Walking towards

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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

Blinds for B.E.G. motion detectors

- LUXOMAT® RC-plus next N (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	- LUXOMAT® Mini-Arc extinction kit – Part no. 10882
L 62 x W 39 x H 24 mm	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. electronic 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	- LUXOMAT® Wire basket BSK – Art.-Nr. 92467
Ø 200 x 90 mm	Ø 164 x 143 mm
For indoor use motion and occupancy detectors	For outdoor use motion detectors and for PD4-TRIO-AP

LUXOMAT® Ceiling-mounted motion detectors for indoor use
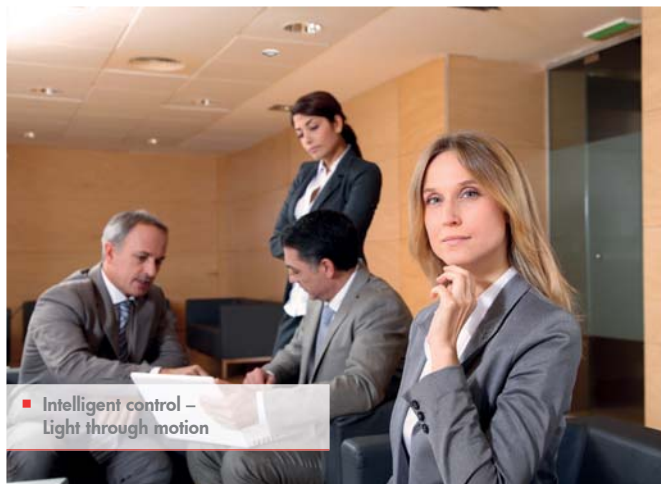
■ Intelligent control –
Light through motion

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 radi-

ation 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	20	92190	92196	92186	▪	▪	▪	Ø 10 m	–
PD3N-1C-NO	21	–	92576	–	▪	▪	▪	Ø 10 m	–
PD3N-1C Micro	22	92219	92184	–	▪	▪	▪	Ø 10 m	with sensor
PD3N-2C	23	–	92198	92188	▪	▪	▪	Ø 10 m	–
PD4N-1C	24	92144	92149	92151	▪	▪	▪	Ø 24 m	–
PD4N-1C-C	25	92270	92274	–	▪	▪	▪	max. Ø 40 m	Corridor detector
PD9-DIGI	26	–	92917	–	–	–	–	Ø 3 m	Installation in light fittings
PD9-1C	27	–	92902	–	▪	▪	–	Ø 10 m	Mini detector
PD9-1C-GH	28	–	92934	–	▪	▪	–	Ø 6 m	large mounting heights
PD9-1C-12-48 V	29	–	92985	–	▪	▪	–	Ø 10 m	12-48 V
HF-MD1	30	–	94401	–	▪	▪	–	max. Ø 16 m	HF detector
HF-MD1 ESL	30	–	94417	–	▪	▪	–	max. Ø 16 m	HF detector
HF-MD2	31	–	94402	–	▪	▪	–	max. Ø 16 m	HF detector
HF-H-MD1 Standard	32	–	94431	–	▪	▪	–	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	Ø=3.20 m	Ø=8.00 m	Ø=5.00 m
2.50 m	Ø=4.00 m	Ø=10.00 m	Ø=6.00 m
3.00 m	Ø=4.80 m	Ø=12.00 m	Ø=7.40 m
3.50 m	–	Ø=14.00 m	Ø=8.60 m
4.00 m	–	Ø=16.00 m	Ø=9.60 m
4.50 m	–	Ø=18.00 m	Ø=10.80 m
5.00 m	–	Ø=20.00 m	Ø=12.00 m

PD4N motion detector

	Range (circular detection) T=18°C		
Mounting height	Smaller movements	Walking across	Walking towards
2.00 m	Ø=3.20 m	Ø=17.00 m	Ø=6.40 m
2.50 m	Ø=6.40 m	Ø=24.00 m	Ø=8.00 m
3.00 m	Ø=7.60 m	Ø=29.00 m	Ø=9.60 m
3.50 m	Ø=9.00 m	Ø=34.00 m	Ø=11.00 m
4.00 m	–	Ø=39.00 m	Ø=13.60 m
4.50 m	–	Ø=44.00 m	Ø=14.40 m
5.00 m	–	Ø=48.00 m	Ø=16.00 m

PD9-GH motion detector

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

Ø=diameter

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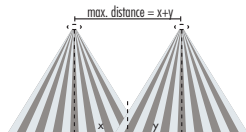
In order to eliminate potential "dead zones", detection areas may overlap.

LUXOMAT® PD3N-1C

FM

SM

FC

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
📢	360°
↥	2.5 m
∟	FC= Ø 83 x 81 mm FM= Ø 106 x 63 mm SM= Ø 106 x 53 mm
P □	FC= IP23 SM= IP44 FM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
⌇	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 max. inrush current Ip (20ms) = 165 A μ contact, NO contact with tungsten pre-make contact
⏱	30 sec - 30 min, Pulse
🌙☼	10 - 2000 Lux

ⓘ PRODUCT INFORMATION

- Remote control-capable ceiling motion detector
- 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 163!
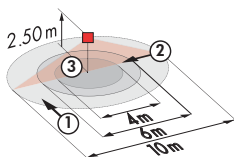
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD3N-1C-FC	white	92196
PD3N-1C-FM	white	92186
PD3N-1C-SM	white	92190
Accessory		
IR-PD-Mini	–	92159
IR-PD3N	–	92105
IR-PD3/4N-1C-E	–	93110
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD3N-1C-NO-PF

FC

ⓘ 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 163! ⚠

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	< 0.4 W
🔊	360°
⬆	2.5 m
∟	Ø 83 x 81 mm
IP ▢	IP23 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 (lighting control, potential-free (dry))
	2300 W, cos φ = 1
⚡	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	µ contact, dry contact/NO with tungsten pre-make contact
⏱	30 sec - 30 min, Pulse
🌓☀	10 - 2000 Lux
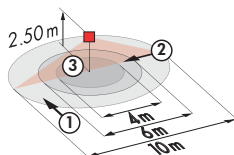
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD3N-1C-NO-PF-FC	white	92576
Accessory		
IR-PD-Mini	–	92159
IR-PD3N	–	92105
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD3N-1C Micro

SM

FC

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	2.5 m
∟	SM= Ø 106 x 53 mm
	FC= Ø 83 x 81 mm
IP □□	FC= IP23 SM= IP44 / Class II
🌡	-25 °C to +50 °C
▭	Polycarbonate, UV-resistant

Channel 1 (lighting control)

⌇	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
🕓	30 sec - 30 min, Pulse
🌙☀	10 - 2000 Lux

ⓘ PRODUCT INFORMATION

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

▶ Wiring diagrams on page 163! ⚠

2.50 m

① Walking across
② Walking towards
③ Smaller movements

4m
6m
10m
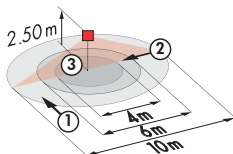
Description	Colour	Part Number
PD3N-1C-FC Micro	white	92184
PD3N-1C-SM Micro	white	92219
Accessory		
IR-PD3N	–	92105
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD3N-2C

FM

FC

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
⬆	2.5 m
∟	FC= Ø 83 x 81 mm FM= Ø 106 x 63 mm
IP □	FC= IP23 FM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1 (lighting control)

	2300 W, cos φ = 1
⚡	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A μ contact, NO contact with tungsten pre-make contact
🕐	30 sec - 30 min, Pulse
🌙☀	10 - 2000 Lux

**Channel 2
(HVAC control potential-free (dry))**

⚡	3 A, 230 V, cos φ =1
	dry contact NO
🕐	5 min - 120 min

ⓘ PRODUCT INFORMATION

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

▶ Wiring diagrams on page 163! **!**

2.50 m

② ③ ① 4 m 6 m 10 m
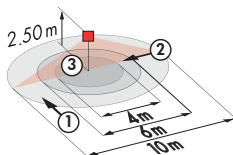
- ① Walking across
- ② Walking towards
- ③ Smaller movements

Description	Colour	Part Number
PD3N-2C-FC	white	92198
PD3N-2C-FM	white	92188
Accessory		
IR-PD3N-2C	–	92115
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4N-1C

SM

FM

FC

ⓘ PRODUCT INFORMATION

- Ceiling motion detector with large detection range
- 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 163!

■ TECHNICAL DATA

⊙	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
◁	360°
⬆	2.5 m
	SM= Ø 109 x 65 mm
∟	FC= Ø 106 x 90 mm
	FM= Ø 106 x 76 mm
P ☐	FC= IP23 SM= IP44 FM= IP20 / Class II
🌡	-25 °C to +50 °C
☐	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	2300 W, cos φ = 1
⌇	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
🕐	30 sec - 30 min, Pulse
🌙☼	10 - 2000 Lux

2.50 m

6.40 m

8 m

24 m

① Walking across
② Walking towards
③ Smaller movements

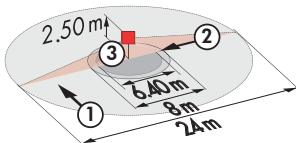| Description	Colour	Part Number
PD4N-1C-FC	white	92149
PD4N-1C-SM	white	92144
PD4N-1C-FM	white	92151
Accessory		
IR-PD3N	–	92105
IR-PD-Mini	–	92159
IR-PD3/4N-1C-E	–	93110
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4N-1C-C

SM

FC

ⓘ 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 163!

■ TECHNICAL DATA

- ∿ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx. 0.5 W
- ◀)) 360°
- ⚠ Mandatory mounting height 2.5 m
- ⚠ Attention, special mounting orientation!
- ∠ SM= Ø 109 x 65 mm
- FC= Ø 106 x 90 mm
- IP □ FC= IP23 SM= IP44 / Class II
- 🌡 -25 °C to +50 °C
- ▢ Polycarbonate, UV-resistant

Channel 1 (lighting control)
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
⚡ max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact
- 🕐 30 sec - 30 min, Pulse
- 🌙☼ 10 - 2000 Lux
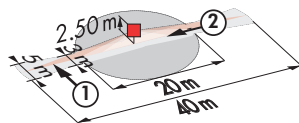
① Walking across
② Walking towards

Description	Colour	Part Number
PD4N-1C-C-FC	white	92274
PD4N-1C-C-SM	white	92270
Accessory		
IR-PD3N	–	92105
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
Wall fixture for PD4-SM	white	92441
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-DIGI

'Size comparison'

■ TECHNICAL DATA

|	
∿	230 V AC +/- 10 % 50 / 60 Hz
⏻	approx. 1.6 W
🔊	360°
↥	2.5 m
∟	Ø 18 x 26 mm (sensor head)
	154 x 40 x 30 mm (power supply)
IP ▢	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
	µ contact, NO contact
🕐	30 sec - 30 min, Pulse
🌙☼	10 - 2000 Lux

ⓘ 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: Ø 11 x 3 mm

2.50 m

3 m
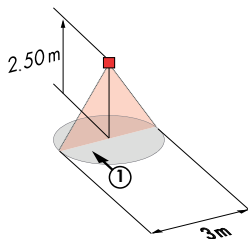
① Walking across

Description	Colour	Part Number
PD9-DIGI-FC	-	92917

LUXOMAT® PD9-1C

‚Size comparison'

ⓘ 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 detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blinds

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	2.5 m
∟	Ø 45 x 37 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP ▢	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
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

🕐 30 sec - 30 min, Pulse

🌙☀ 10 - 2000 Lux

① Walking across
② Walking towards
③ Smaller movements

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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-1C-GH

‚Size comparison'

■ **TECHNICAL DATA**

⌇	110 - 240 V AC 50 / 60 Hz
⏻	< 0.5 W
	360°
↥	6 m
⌐	Ø 45 x 49 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP □	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
∤	max. inrush current Ip (20ms) = 165 A μ contact, NO contact with tungsten pre-make contact
⏱	30 sec - 30 min, Pulse
☾☀	10 - 2000 Lux

ⓘ **PRODUCT INFORMATION**

- Mini-motion detector especially for large mounting heights
- 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 detector (34 mm Ø)
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes 45mm cover ring and blind

① Walking across

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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-1C-12-48V
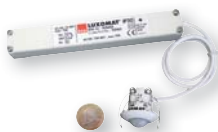
‚Size comparison'

(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 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 163!   !

■ TECHNICAL DATA

- ⏦ 12 - 48 V AC / DC
- ⏻ < 0.25 W
- 🔊 360°
- ⬆ 2.5 m
- 📐 Ø 45 x 37 mm (sensor head)
  165 x 24 x 24 mm (power supply)
- IP20 / Class II
- 🌡 -25 °C to +50 °C
- ▭ Polycarbonate, UV-resistant
- 🛏 45 cm
- **Channel 1**
  (lighting control, potential-free (dry))
  1000 W, cos φ = 1
- ⚡ max. inrush current Ip (20ms) = 165 A
  μ contact, NO contact with tungsten pre-make contact
- 🕐 30 sec - 30 min, pulse
- 🌓 10 - 2000 Lux
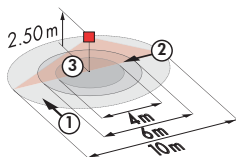
① Walking across
② Walking towards
③ Smaller movements

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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® HF-MD1

ⓘ PRODUCT INFORMATION

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

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

⊙	230 V AC +/- 10 % 50 / 60 Hz
⏻	approx. 1.2 W
◁	360°
↥	2.5 m
⌐	101 x 42 x 42 mm
P □	IP20 / Class II
🌡	-15 °C to +50 °C
□	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	1200 W, cos φ = 1
⌁	max. inrush current Ip (20ms) = 120 A
	µ contact, NO contact
	HF-MD1 5 s - 15 min
🕐	**HF-MD1 ESL** (for use with fluorescent lamps)
	5 min - 15 min
◗☀	2 - 2000 Lux
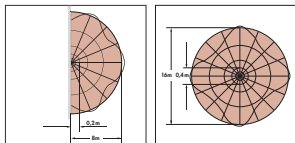
Walking across or towards
The range depends on size and speed of the object.

Description	Colour	Part Number
HF-MD1	white	94401
HF-MD1 ESL	white	94417
Accessory		
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

B.E.G.

LUXOMAT® HF-MD2

SM

ⓘ PRODUCT INFORMATION

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

■ TECHNICAL DATA

⊙	230 V AC +/- 10 % 50 / 60 Hz
⏻	approx. 1.2 W
🔊	360°
⬆	2.5 m
∟	Ø 117 x 45 mm
IP ▢	IP20 / Class II
🌡	-15 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	1200 W, cos φ = 1
⚡	max. inrush current Ip (20ms) = 120 A
	µ contact, NO contact
⏱	5 sec - 15 min
◑☀	2 - 2000 Lux
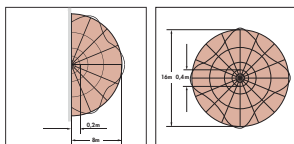
Walking across or towards
The range depends on size and speed of the object.

Description	Colour	Part Number
HF-MD2-SM	white	94402
Accessory		
Wire basket BSK	–	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® HF-H-MD1 Standard

■ TECHNICAL DATA

|	
∼	230 V AC +/- 10 % 50 Hz
⏻	approx. 0.8 W
	360°
↑	2.5 m
	103 x 53 x 26 mm
IP □	IP20 / Class II
	-35 °C to +70 °C
	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	1000 W, cos φ = 1
	μ contact, NO contact
⏱	5 sec - 25 min
☾☀	2 - 30 Lux
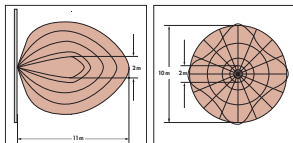
ⓘ PRODUCT INFORMATION

- High frequency motion detector, designed for flush mount installation and installation in lights
- Temperature-independent detection
- Detection can be made through various materials
- Detection range, swicth-on threshold and follow-up time settable via DIP switches

▶ Wiring diagrams on page 163!

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

Description	Colour	Part Number
HF-H-MD1 Standard	white	94431

B.E.G.

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

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

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

PD3N-SM

PD3N-SM with blinds

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

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

PD4-FM

PD4-FM with blinds

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

PD9-FC

PD9-FC with blinds

- **LUXOMAT® Mini motion detector PD9-GH for large 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. electronic 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 100 mm

For inside and outdoor use motion and occupancy detectors

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

Ø 164 x 143 mm

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

Modules for pre-wired ceiling-mounted motion detectors
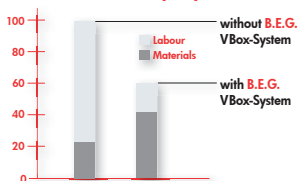
COST COMPARISON [in %]

Labour
Materials

without **B.E.G.**
VBox-System

with **B.E.G.**
VBox-System

- **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

230 V ≈

230 V ≈

M1
VBox

PD3-/PD4-/PD9-1 Channel

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
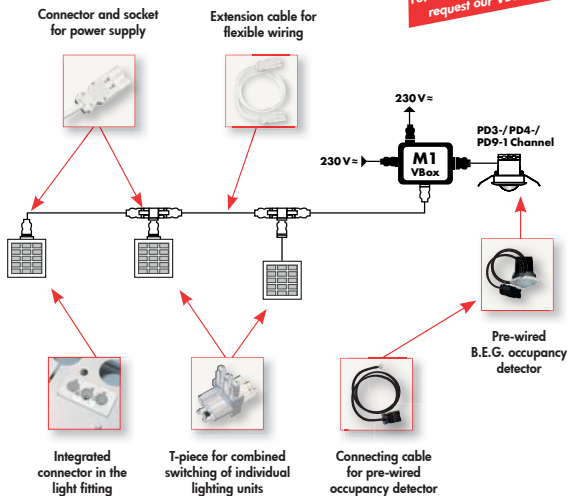
LUXOMAT® Occupancy detectors for interior ceiling and wall mounting

■ **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.

OCCUPANCY DETECTORS

Switching with 1 or 2-channel Master with mixed light measuring

Occupancy detector	Page				Clip	Mixed light measuring	Motion detector	Remote control-capable	Range	Additional functions
PD2-M-1C	40	92550	92565	92555	–	■	■	■	Ø 10 m	–
PD4-M-1C	41	92580	92585	92575	–	■	■	■	Ø 24 m	–
PD4-M-1C-C	42	92587	92586	–	–	■	■	■	Ø 40 m	–
PD4-M-1C-C-PS	43	92485	92480	–	–	■	■	■	Ø 24 m	additional security contact
PD4-M-1C-GH	44	92245	–	–	–	■	■	■	Ø 30 m	large mounting height
PD5-M-1C-Clip	45	–	–	–	92315	■	■	■	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-M-1C	46	–	92900 – white	–	–	■	■	■	Ø 10 m	Mini detector
PD9-M-1C-GH	47	–	92923 – white	–	–	■	■	■	Ø 6 m	large mounting height
PD9-M-1C-SDB-IP65	48	–	92912 – white / 92913 – silver	–	–	■	■	■	Ø 10 m	Mini detector
PD9-M-1C-SDB-IP65-GH	49	–	92931 – white	–	–	■	■	■	Ø 6 m	large mounting height
PD11-M-1C	51	–	92583	–	–	■	■	■	Ø 9 m	Super flat
PD2N-M-1C-LED	52	–	94055	–	–	■	■	■	Ø 10 m	LED light ring
PD2-M-2C	53	92150	92165	92155	–	■	■	■	Ø 10 m	–
PD2M-2C-11-48V-3 A	54	92154	92164	–	–	■	■	■	Ø 10 m	3 A version
PD2M-2C-11-48V-RR	54	92305	92306	–	–	■	■	■	Ø 10 m	with reed relay
PD4-M-2C	55	92140	92148	92255	–	■	■	■	Ø 24 m	–
PD4-M-2C-C	56	92440	92143	92443	–	■	■	■	max. Ø 40 m	Corridor detector
PD9-M-2C	57	–	92976	–	–	■	■	■	Ø 10 m	with HVAC channel
PD4-M-2C-DUO	58	92158	92251	92252	–	■	■	■	Ø 24 m	–
PD4-M-2C-DS	59	–	92760	–	–	■	■	■	Ø 24 m	–
PD4-M-TRIO-C-3P	60	–	92746	–	–	■	■	■	Ø 40 m	–
PD4-M-3C-TRIO	61	92740	92745	–	–	■	■	■	Ø 24 m	–
HF-MD3	62	–	94437	–	–	■	■	■	max. Ø 7 m	HF detector
HF-MD4	63	–	94438	–	–	■	■	■	max. Ø 7 m	HF detector

Dimming with 1 or 2-channel Master with mixed light measuring

Occupancy detector	Page				Clip	Mixed light measuring	Motion detector	Remote control-capable	Range	Additional functions
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 detector
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	72	92730	92735	–	–	■	■	■	Ø 24 m	–

Occupancy detector for DALI/DSI (DALI Compact)

Occupancy detector	Page				Clip	Mixed light measuring	Motion detector	Remote control-capable	Range	Additional functions
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 10m	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-DAA4G	86	92743	92591	–	–	–	■	■	Ø 24 m	addressable DALI detector

Switching with 1-channel motion and occupancy detectors with simple light measurement

Detectors	Page				Simple light measurement	Mixed light measuring	Motion detector	Remote control-capable	Range	Additional functions
Indoor 140-L	88	–	–	94325	•	–	•	–	max. r = 8 m	Switch function and downlight
Indoor 180-R	89	–	–	92623	•	–	•	–	max. r = 10 m	Relay version with acoustic sensor
Indoor 180-T	90	–	–	92622	•	–	•	–	max. r = 10 m	Triac version with acoustic sensor
Indoor 180-R-2D	91	–	–	92616	•	–	•	–	max. r = 10 m	Relay version with acoustic sensor
Indoor 180-SC	92	–	–	92650	•	–	•	–	max. r = 10 m for staircase switches	
Indoor 180-R-11-48V-3A	94	–	–	92666	•	–	•	–	max. r = 10 m	3 A version
Indoor 180-R-11-48V-RR	94	–	–	92667	•	–	•	–	max. r = 10 m	with reed relay

2-channel Master with mixed light measuring

	Page				Simple light measurement	Mixed light measuring	Motion detector	Remote control-capable	Range	Additional functions
Indoor 180-M-2C	95	–	–	92136	–	•	•	•	max. r = 10 m	with acoustic sensor

Cost-effective extension of detection area with slave devices

Slave detector	Page				Clip	Mixed light measuring	Motion detector	Remote control-capable	Range	Additional functions
PD2-S	96	92152	92166	92156	–	–	•	–	Ø 10 m	–
PD4-S	97	92142	92254	92163	–	–	•	–	Ø 24 m	–
PD4-S-C	98	92442	92444	92445	–	–	•	–	max. Ø 40 m	Corridor detector
PD4-S-GH	99	92265	–	–	–	–	•	–	Ø 30 m	large mounting height
PD4-S-DAA4G	87	92759	92721	–	–	–	•	–	Ø 24 m	compatible with PD4-M-DAA4G
PD5-S	100	–	–	–	92316	–	•	–	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-S	101	–	92905	–	–	–	•	–	Ø 10 m	Mini detector
PD9-S-SDB	48	–	92915	–	–	–	•	–	Ø 10 m	Mini detector
PD9-S-SDB-GH	49	–	92933	–	–	–	•	–	Ø 6 m	large mounting height
PD9-S-GH	102	–	92928	–	–	–	•	–	Ø 6 m	large mounting height
PD11-S	104	–	92593	–	–	–	•	–	Ø 9 m	Super flat
Indoor 180-S	105	–	92135	–	–	–	•	–	max. r = 10 m	Wall version

B.E.G.

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.

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.

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 ±80° to this axis, the standard PD4 range apply

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 PD2 to PD5 series since the PD9 has fewer lens segments.

PD11-FLAT occupancy detector

- The design occupancy detector PD11 is ultra-flat and elegant. With its visible mounting height of only 0.85 mm, it is almost invisible and fulfils high architectural demands.

- Within the successful LUXOMAT® family, it is the discreet solution for detection areas of up to Ø 9 m.

- It is available as master device having a high switching capacity of up to 2300W, as slave device, and also for KNX and DALI.

Overview of range in relation to mounting height

PD4 occupancy detector

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

PD11 occupancy detector

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

Ø=diameter

PD2-and PD9 occupancy detector

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

PD9-GH occupancy detector

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

PD4-M-1C-GH occupancy detector

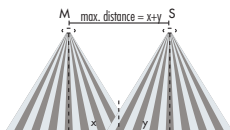| Range (oval detection) T=17°C		
Mounting height	in longitudinal axis (L)	90° to longitudinal axis (B)
5.00 m	Ø=26.00 m	Ø=18.00 m
6.00 m	Ø=26.00 m	Ø=18.00 m
7.00 m	Ø=28.00 m	Ø=19.00 m
8.00 m	Ø=28.00 m	Ø=19.00 m
9.00 - 14.00 m	Ø=30.00 m	Ø=19.00 m

Detector positioning

Maximum motion detection is achieved by walking tangentially to the detector, not by walking frontally to the detector. This should be borne in mind especially when it comes to corridors.

Detector distance

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

B.E.G.

LUXOMAT® PD2-M-1C
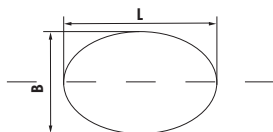
SM

FM

FC

ⓘ 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. 0.4 W
	360°
↥	2.5 m
	SM= Ø 98 x 64 mm
∟	FC= Ø 80 x 85 mm
	FM= Ø 98 x 65 mm
IP ▢	FC= IP20 SM= IP20 FM= IP20 / Class II
♨	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1
(lighting control, potential-free (dry))

	2300 W, cos φ = 1
∤	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, dry contact/NO with tungsten pre-make contact
⏱	15 sec - 30 min, pulse
☾☀	10 - 2000 Lux
	Mixed light measuring

2.50 m
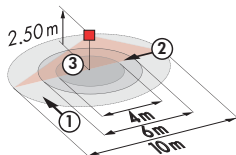
① Walking across
② Walking towards
③ Smaller movements

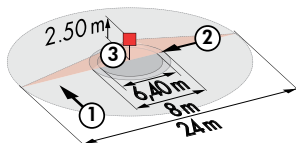| Description	Colour	Part Number
PD2-M-1C-FC	white	92565
PD2-M-1C-SM	white	92550
PD2-M-1C-FM	white	92555
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® PD4-M-1C

SM

FM

FC

ⓘ PRODUCT INFORMATION

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

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.4 W
	360°
	2.5 m
	SM= Ø 98 x 63 mm
	FC= Ø 97 x 103 mm
	FM= Ø 104 x 70 mm
IP	FC= IP20 SM= IP20 FM= IP20 / Class II
	-25 °C to +50 °C
	Polycarbonate, UV-resistant

**Channel 1
(lighting control, potential-free (dry))**

	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A μ contact, dry contact/NO with tungsten pre-make contact
⏱	15 sec - 30 min, pulse
☾☀	10 - 2000 Lux
	Mixed light measuring

2.50 m

③ ②

① 6,40 m 8 m 24 m

① Walking across
② Walking towards
③ Smaller movements

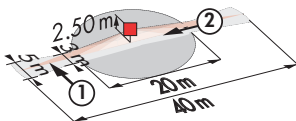| Description	Colour	Part Number
PD4-M-1C-FC	white	92585
PD4-M-1C-SM	white	92580
PD4-M-1C-FM	white	92575
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP65 for PD4-SM	white	92375
Socket IP54 for PD2- and PD4-SM	white	92161

LUXOMAT® **PD4-M-1C-C**

SM

FC

ⓘ 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

■ TECHNICAL DATA

- ∿ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx. 0.5 W
- 🔊 360°
- ⚠ Mandatory mounting height 2.4 – 2.6 m
- ⌐ SM= Ø 101 x 76 mm
  FC= Ø 97 x 103 mm
- IP ▢ FC= IP20 SM= IP54 / Class II
- 🌡 -25 °C to +50 °C
- ▢ Polycarbonate, UV-resistant
- **Channel 1**
  (lighting control, potential-free (dry))
  2300 W, cos φ = 1
  1150 VA, cos φ = 0.5
  max. inrush current Ip (20ms) = 165 A
  μ contact, dry contact/NO with tungsten
  pre-make contact
- 🕐 15 sec - 30 min, pulse
- 🌙☀ 10 - 2000 Lux
  Mixed light measuring

① Walking across
② Walking towards

Description	Colour	Part Number
PD4-M-1C-C-FC	white	92586
PD4-M-1C-C-SM	white	92587
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP65 for PD4-SM (IP54)	white	92376

LUXOMAT® PD4-M-1C-C-PS

SM

FC

TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx. 0.7 W
- 360°
- Mandatory mounting height 2.4 – 2.6 m
  SM= Ø 101 x 76 mm
  FC= Ø 97 x 103 mm
- FC= IP20 SM= IP54 / Class II
- -25 °C to +50 °C
- Polycarbonate, UV-resistant
- **Channel 1 (lighting control)**
  2300 W, cos φ = 1
  1150 VA, cos φ = 0.5
  max. inrush current Ip (20ms) = 120 A
  µ contact, NO contact with tungsten pre-make contact, additional NC-safety contact
- 15 sec - 30 min, pulse
- 10 - 2000 Lux
  Mixed light measuring

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

2.50 m

20 m
40 m
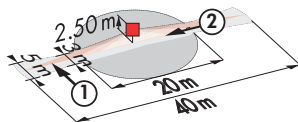
① Walking across
② Walking towards

Description	Colour	Part Number
PD4-M-1C-C-PS-FC	white	92480
PD4-M-1C-C-PS-SM	white	92485
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP65 for PD4-SM (IP54)	white	92376

LUXOMAT® PD4-M-1C-GH

SM

■ TECHNICAL DATA

〜	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360° oval
⬆	14 m
∟	Ø 98 x 63 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⌇	**Channel 1** **(lighting control, potential-free (dry))** 2300 W, cos φ = 1 1150 VA, cos φ = 0.5 max. inrush current Ip (20ms) = 165 A μ contact, dry contact/NO with tungsten pre-make contact
🕐	15 sec - 30 min, pulse
🌙☀	10 - 2000 Lux
	Mixed light measuring

ⓘ 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
- Factory settings 3 min and 1000 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.*
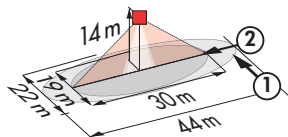
① Walking across
② Walking towards

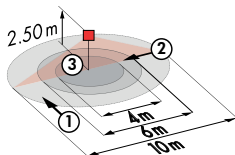| Description	Colour	Part Number
PD4-M-1C-GH-SM	white	92245
Accessory		
IR-PD-LD	–	92479
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Socket IP54 for PD2- and PD4-SM	white	92161
Socket IP65 for PD4-SM	white	92375
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD5-M-1C-Clip

Clip

ⓘ 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 163!

■ TECHNICAL DATA

∿	230 V AC +/- 10 % 50 / 60 Hz
⏻	approx. 1.5 W
🔊	360°
↕	2.5 m
∟	92 x 60 x 73 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▭	Polycarbonate, UV-resistant
⊟	90 cm

Channel 1 (lighting control)
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

🕐 15 sec - 30 min, pulse

🌙☀ 10 - 2000 Lux

Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

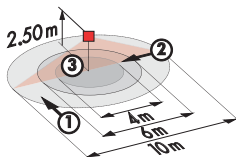| Description	Colour	Part Number
PD5-M-1C-Clip	white	92315
Accessory		
IR-PD	–	92160
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-M-1C

,Size comparison'

ⓘ PRODUCT INFORMATION

- Mini-occupancy detector
- One channel for light switching
- Version as Master device
- 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

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	2.5 m
∟	Ø 45 x 28 mm (sensor head)
	165 x 24 x 24 mm (power supply)
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊨	45 cm (screened)
	Channel 1 (lighting control)
	2300 W, cos φ = 1
⅄	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	µ contact, NO contact with tungsten pre-make contact
⏱	5 min - 30 min, pulse
☾☼	10 - 2000 Lux
	Mixed light measuring

2.50 m

① Walking across
② Walking towards
③ Smaller movements

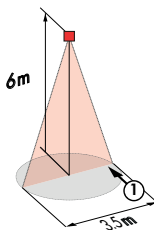| Description	Colour	Part Number
PD9-M-1C-FC	white	92900
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	92077
IR-Adapter for Smartphones	black	92726
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-M-1C-GH

‚Size comparison'

ⓘ PRODUCT INFORMATION

- Mini-occupancy detector especially for large mounting heights
- One channel for light switching
- Version as Master device
- Detection area can be extended with Slave devices
- Manual switching via push-button possible
- Power supply passes through 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

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	6 m
∟	Ø 45 x 49 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP 🔲	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊟	45 cm (screened)

Channel 1 (lighting control)

∤	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 max. inrush current Ip (20ms) = 165 A μ contact, NO contact with tungsten pre-make contact
⏱	5 min - 30 min, pulse
🌙☀	10 - 2000 Lux
	Mixed light measuring

① Walking across

Description	Colour	Part Number
PD9-M-1C-GH-FC	white	92923
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-M-1C-SDB-IP65

‚Size comparison'

ⓘ 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.

▶ Wiring diagrams on page 163! ⚠

■ TECHNICAL DATA

∼	230 V AC +/- 10 % 50 Hz
⏻	2.2 W
🔊	360°
⬆	2.5 m
∟	Ø 36 x 28 mm (sensor head) 154 x 38 x 25 mm (power supply)
IP ▣	IP65 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊨	350 cm
	Channel 1 (lighting control, potential-free (dry)) 2300 W, cos φ = 1
⌇	1150 VA, cos φ = 0.5 max. inrush current Ip (20ms) = 80 A μ contact, dry NO contact
⏱	15 sec - 30 min, pulse
🌙☀	10 - 2000 Lux
	Mixed light measuring
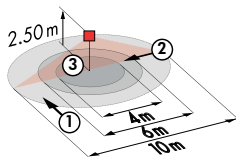
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD9-M-1C-SDB-IP65-FC	white	92912
PD9-M-1C-SDB-IP65-FC	silver	92913
Accessory		
IR-PD9	–	92201
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
PD9-S-SDB-FC	white	92915
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-M-1C-SDB-IP65-GH

,Size comparison'

■ TECHNICAL DATA

∿	230 V AC +/- 10 % 50 / 60 Hz
⏻	2.2 W
◁	360°
↥	6 m
∟	Ø 45 x 49 mm (sensor head)
	154 x 38 x 25 mm (power supply)
IP ▢	IP65 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊨	350 cm
	Channel 1
	(lighting control, potential-free (dry))
	2300 W, cos φ = 1
⌇	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 80 A
	μ contact, dry NO contact
🕐	15 sec - 30 min, pulse
🌙☀	10 - 2000 Lux
	Mixed light measuring

ⓘ 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.

6m

3.5m
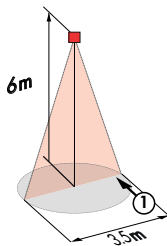
① Walking across

Description	Colour	Part Number
PD9-M-1C-SDB-IP65-GH-FC	white	92931
Accessory		
IR-PD-Mini	–	92159
IR-PD9	–	92201
IR-Adapter for Smartphones	black	92726
PD9-S-SDB-GH-FC	white	92933
RC-Arc extinction kit	white	10880

B.E.G.

The world's smallest KNX detector

PICO-KNX-DX-FC   Part no.: 92719

- Deluxe-Version of KNX-Generation 6 with numerous features

- Numerous setting options via the B.E.G. smartphone app

- Detection area: 360°

- Range: Ø 10 m

- Small, compact, unrivalled

cm

KNX

beg-luxomat.com

LUXOMAT® PD11-M-1C-FLAT

FC

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.3 W
🔊	360°
↥	2.5 m
∟	Ø 52 x 60 mm
IP▢	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1 (lighting control)
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
µ contact, NO contact with tungsten pre-make contact

🕐 5 min - 30 min, pulse

🌙☀ 10 - 2000 Lux

Mixed light measuring

ⓘ 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

2.50 m
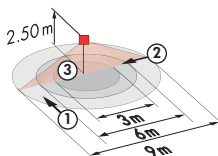
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD11-M-1C-FLAT-FC	white	92583
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	92077
Cover ring PD11	black	92537
IR-Adapter for Smartphones	black	92726
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD2N-M-1C-LED

FC

ⓘ PRODUCT INFORMATION

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

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.3 W, approx. 2 W with LED lighting
🔊	360°
↥	2.5 m
⌐	Ø 84 x 85 mm
IP □	IP20 / Class II
🌡	-20 °C to +40 °C
▢	PC, with sensor, power supply and LED light
	Channel 1
	(lighting control, potential-free (dry))
	2300 W, cos φ = 1
⅃	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ-Contact, dry contact/NO with tungsten pre-make contact
🕐	10 sec - 18 h
🌙☼	10 - 2000 Lux
	LED Orientation and night light
🔆🕐	20 % - 100 % / OFF / 10 s - 18 h

2.50 m

① 4 m
② 6 m
③ 10 m
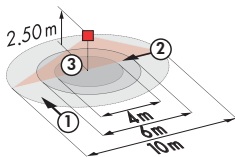
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD2N-M-1C-LED-FC	white	94055
Accessory		
IR-Adapter for Smartphones	black	92726
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD2-M-2C

SM

FM

FC

ⓘ 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)

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
	360°
↥	2.5 m
	SM= Ø 98 x 50 mm
∟	FC= Ø 80 x 85 mm
	FM= Ø 98 x 65 mm
IP ▣	FC= IP20 SM= IP20 FM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1 (lighting control)
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

🕐 15 sec - 30 min, pulse

☀ 10 - 2000 Lux

Channel 2 (HVAC control potential-free (dry))
3 A, 230 V, cos φ =1
μ-contact, dry NO contact

🕐 5 min - 120 min, Alarm pulse, pulse

Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

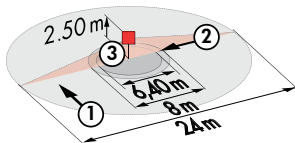| Description	Colour	Part Number
PD2-M-2C-FC	white	92165
PD2-M-2C-SM	white	92150
PD2-M-2C-FM	white	92155
Accessory		
IR-PD-2C	–	92475
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP54 for PD2- and PD4-SM	white	92161

B.E.G.

LUXOMAT® PD2-M-2C-11-48V

SM

FC

■ TECHNICAL DATA

∼	11 - 48 V AC / DC
⏻	< 1 W
🔊	360°
⬆	2.5 m
⌞	SM= Ø 98 x 50 mm
	FC= Ø 80 x 85 mm
IP ▢	FC= IP20 SM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⚡	**Channel 1** **(lighting control, potential-free (dry))** (**RR version** with Reed-Relay); 100mA, cos φ = 1 (**3A version**) 3A, cos φ = 1 μ-contact, dry NO contact
🕐	**Channel 1:** 15 s - 30 min or pulse **Channel 2:** 5 - 120 min, pulse, Alarm pulse
◐☀	10 - 2000 Lux Mixed light measuring
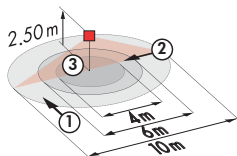
ⓘ PRODUCT INFORMATION

- 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)

▸ ⚠

2.50 m

① Walking across
② Walking towards
③ Smaller movements

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	–	92475
IR-PD-Mini	–	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

54

LUXOMAT® PD4-M-2C
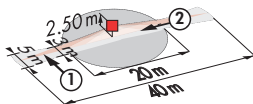
SM

FM

FC

(i) PRODUCT INFORMATION

- Occupancy detector with large 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)

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	2.5 m
	SM= Ø 101 x 76 mm
∟	FC= Ø 97 x 103 mm
	FM= Ø 104 x 70 mm
IP	FC= IP20 SM= IP54 FM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1 (lighting control)
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

🕐 15 sec - 30 min, Pulse

🌙☀ 10 - 2000 Lux

**Channel 2
(HVAC control potential-free (dry))**
3 A, 230 V, cos φ =1

μ-contact, dry NO contact

🕐 5 min - 120 min, Alarm pulse, pulse

Mixed light measuring

2.50 m

6,40 m

8 m

24 m

① Walking across
② Walking towards
③ Smaller movements

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	–	92475
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP65 for PD4-SM (IP54)	white	92376

LUXOMAT® PD4-M-2C-C

SM

FM

FC

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
◁)	360°
⚠	Mandatory mounting height 2.4 – 2.6 m
	SM= Ø 101 x 76 mm
⌐	FC= Ø 97 x 103 mm
	FM= Ø 104 x 70 mm
IP □	FC= IP20 SM= IP54 FM= IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant

Channel 1 (lighting control)

2300 W, cos φ = 1

⌀ 1150 VA, cos φ = 0.5

max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

🕐 15 sec - 30 min, Pulse

🌒☀ 10 - 2000 Lux

**Channel 2
(HVAC control potential-free (dry))**

⌀ 3 A, 230 V, cos φ =1

dry contact/NO

🕐 5 min - 120 min, Alarm pulse, pulse

Mixed light measuring

ⓘ PRODUCT INFORMATION

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

2.50 m
5 m
20 m
40 m

① Walking across

② Walking towards

Description	Colour	Part Number
PD4-M-2C-C-FC	white	92143
PD4-M-2C-C-SM	white	92440
PD4-M-2C-C-FM	white	92443
Accessory		
IR-PD-2C	–	92475
IR-PD-Mini	–	92159
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Wall fixture for PD4-SM	white	92441
Socket IP65 for PD4-SM (IP54)	white	92376

LUXOMAT® PD9-M-2C

‚Size comparison'

ⓘ PRODUCT INFORMATION

- Mini occupancy detector with additional potential-free (dry) contact
- Version as Master device
- 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
⏻	approx. 0.6 W
🔊	360°
↥	2.5 m
⌁	Ø 45 x 28 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⎓	45 cm (screened)

Channel 1 (lighting control)

⎇ 2300 W, cos φ = 1
1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
µ contact, NO contact with tungsten pre-make contact

🕐 15 sec - 30 min, pulse

🌙☀ 10 - 2000 Lux

**Channel 2
(HVAC control potential-free (dry))**

⎇ 3 A, 230 V, cos φ =1
dry contact/NO

🕐 5 min - 120 min, pulse

Mixed light measuring
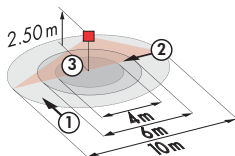
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD9-M-2C-FC	white	92976
Accessory		
IR-PD-2C	–	92475
IR-PD-Mini	–	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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4-M-2C-DUO

SM

FM

FC

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

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
📢	360°
↥	2.5 m
	SM= Ø 117 x 68 mm
	FC= Ø 97 x 103 mm
	FM= Ø 97 x 84 mm
IP ☐	FC= IP20 SM= IP54 FM= IP20 / Class II
🌡	-25 °C to +50 °C
☐	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	Channel 2
	(lighting control potential-free (dry))
⌁	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact
⏱	15 sec - 30 min, pulse
☾☀	10 - 2000 Lux
	Mixed light or daylight measuring
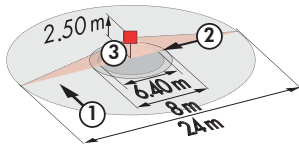
2.50 m
6.40 m
8 m
24 m
① ② ③

① Walking across
② Walking towards
③ Smaller movements

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	–	92092
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

B.E.G.

LUXOMAT® PD4-M-2C-DS

FC

ⓘ 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 common pushbutton
- Additional functions can be set up using the optional remote control.
- Factory settings 10 min and 500 lux

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	< 1.5 W
🔊	360°
↥	2.5 m
⊿	Ø 117 x 100 mm
IP ▫	IP20 / Class II
🌡	-25 °C to +50 °C
▫	Polycarbonate, UV-resistant

Channel 1 and Channel 2 (lighting control)
2300 W, cos φ = 1

1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
2x μ-contact, NO contact with tungsten pre-make contact

🕐	15 sec - 30 min, pulse
🌙☀	10 - 2000 Lux
	Mixed light measuring
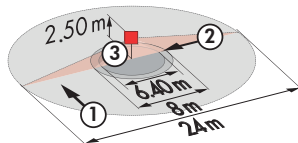
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4-M-2C-DS-FC	white	92760
Accessory		
IR-PD-1C	–	92520
IR-PD-Mini	–	92159
IR-PD-1C-E	–	92077
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4-M-TRIO-C-3P

FC

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
📢	360°
[!]	Mandatory mounting height 2.4 – 2.6 m
↙	Ø 117 x 100 mm
IP ▢	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 and Channel 2 (lighting control potential-free (dry))
⌇	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	µ contact, 2x dry contact/NO
	with tungsten pre-make contact
⏱	15 sec - 16 min, pulse
🌙☀	10 - 2000 Lux
	Mixed light measuring

ⓘ 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 of the lights are supplied with power
- Designed for corridors
- 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.

▶ Wiring diagrams on page 163!   [!]
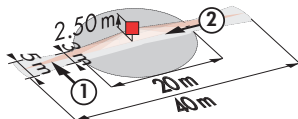
① Walking across
② Walking towards

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

LUXOMAT® PD4-M-3C-TRIO

SM

FC
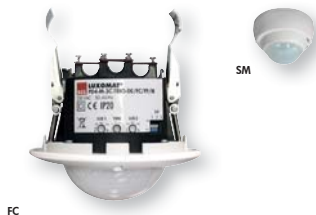
ℹ PRODUCT INFORMATION

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

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

⊘	110 - 240 V AC 50 / 60 Hz
⏻	ca. 0,5 W
📢	360°
↑	2.5 m
IP □	FC= IP20 SM= IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant

Channel 1 (lighting control)
⌇ 3000 W, cos φ = 1;1500 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
µ contact, NO contact with tungsten pre-make contact

☾☼ 10 - 2000 Lux

Channel 2 (lighting control potential-free (dry))
⌇ 3000 W, cos φ = 1; 1500 VA cos φ = 0,5
max. inrush current Ip (20ms) = 165 A
dry contact/NO with tungsten pre-make contact

☾☼ 10 - 2000 Lux

Channel 3 (lighting control or HVAC control, potential-free (dry))
⌇ 3000 W, cos φ = 1; 1500 VA cos φ = 0,5
max. inrush current Ip (20ms) = 120 A
µ-contact, dry NO contact with tungsten pre-make contact

Channel 1 to channel 3
🕐 1 min - 90 min
Mixed light measuring
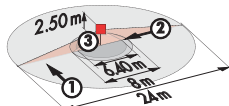
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4-M-3C-TRIO-FC	white	92745
PD4-M-3C-TRIO-SM	white	92740
Accessory		
IR-PD4-TRIO-3C	–	92851
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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® HF-MD3

■ TECHNICAL DATA

⌇	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
◁	360°
↥	2.5 m
⌐	120 x 40 x 26 mm
IP □	IP20 / Class II
🌡	-15 °C to +50 °C
□	Polycarbonate, UV-resistant
⟋	2300 W, cos φ = 1
⟋	1150 VA, cos φ = 0.5
	µ contact, NO contact
⏱	15 sec - 30 min
☾☀	10 - 1200 Lux

ⓘ PRODUCT INFORMATION

- High frequency motion detector for indoor use
- Integrated light sensor
- Settings via potentiometers on the device
- Extendable by external light sensor with integrated IR receiver for remote control-capability of the detector, available as accessory
- Temperature-independent detection
- Detection through wood, glass or partition walls

7m 6m 4m 2m 1.5m

1m 2.5m 5m 7m 10m
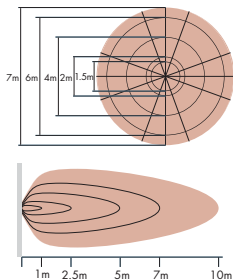
Walking across or towards
The range depends on size and speed of the object.

Description	Colour	Part Number
HF-MD2-SM	white	94437
Accessory		
HF-EM1 external light sensor and IR receiver	white	94459
HF-CO1 Impact protection and strain relief	white	94460
IR-Adapter for Smartphones	black	92726

LUXOMAT® HF-MD4

ⓘ PRODUCT INFORMATION

- High frequency motion detector for indoor use
- Optimal positioning of the external light sensor and the external microwave sensor
- Easy programming with B.E.G. Smartphone app
- Temperature-independent detection
- Detection through wood, glass or partition walls

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	2.5 m
∟	120 x 40 x 26 mm
IP ☐	IP20 / Class II
🌡	-15 °C to +50 °C
☐	Polycarbonate, UV-resistant
⌇	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	µ contact, NO contact
⏱	15 sec - 30 min
☀	10 - 1200 Lux
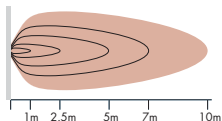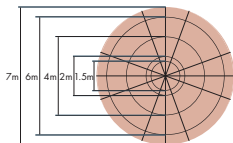
Walking across or towards
The range depends on size and speed of the object.

Description	Colour	Part Number
HF-MD2-SM	white	94438
Accessory		
HF-CO1 Impact protection and strain relief	white	94460
IR-Adapter for Smartphones	black	92726

LUXOMAT® PD2-M-DIM

SM

FM

FC

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
◀	360°
↥	2.5 m
	SM= Ø 98 x 50 mm
∟	FC= Ø 80 x 85 mm
	FM= Ø 98 x 65 mm
IP □	FC= IP20 SM= IP20 FM= IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	2300 W, cos φ = 1
⌇	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
1-10V	1-10 V DC, up to 50 EB
⏱	1 min - 30 min
🌑☀	10 - 2000 Lux
	Mixed light measuring

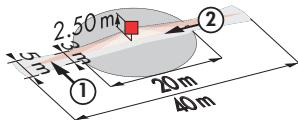## ⓘ PRODUCT INFORMATION

- 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.

▶ Wiring diagrams on page 163!

2.50 m

① Walking across
② Walking towards
③ Smaller movements

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	–	92200
IR-PD-DIM-Mini	–	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4-M-DIM

SM

FM

FC

(i) PRODUCT INFORMATION

- Occupancy detector with large detection area, daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- Orientation light function
- 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.

■ TECHNICAL DATA

- ∼ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx. 0.5 W
- 🔊 360°
- ↥ 2.5 m
  SM= Ø 101 x 76 mm
  FC= Ø 97 x 103 mm
  FM= Ø 97 x 84 mm
- IP ☐ FC= IP20 SM= IP54 FM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- ☐ Polycarbonate, UV-resistant
- **Channel 1 (lighting control)**
  2300 W, cos φ = 1
  1150 VA, cos φ = 0.5
  max. inrush current Ip (20ms) = 165 A
  µ contact, NO contact with tungsten pre-make contact
- 1-10V 1-10 V DC, up to 50 EB
- 🕐 1 min - 30 min
- 🌓 10 - 2000 Lux
  Mixed light measuring

2.50 m
6.40 m
8 m
24 m

① Walking across
② Walking towards
③ Smaller movements

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	–	92200
IR-PD-DIM-Mini	–	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4-M-DIM-C

SM

FC

■ TECHNICAL DATA

⊘	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
⚠	Mandatory mounting height 2.4 – 2.6 m
📐	SM= Ø 101 x 76 mm
	FC= Ø 97 x 103 mm
IP ☐	FC= IP20 SM= IP54 / Class II
🌡	-25 °C to +50 °C
☐	Polycarbonate, UV-resistant

Channel 1 (lighting control)
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

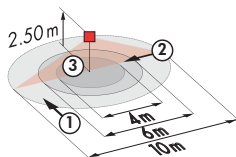|	
	1-10 V DC, up to 50 EB
🕐	1 min - 30 min
🌙☀	10 - 2000 Lux
	Mixed light measuring

ⓘ 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.

① Walking across
② Walking towards

Description	Colour	Part Number
PD4-M-DIM-C-FC	white	92217
PD4-M-DIM-C-SM	white	92218
Accessory		
IR-PDim	–	92200
IR-PD-DIM-Mini	–	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Wall fixture for PD4-SM	white	92441

LUXOMAT® PD5-M-DIM-Clip

Clip

ⓘ PRODUCT INFORMATION

- Occupancy detector for use with T5 and T8 fluorescent lamps for daylight-dependent lighting control
- 1-10 V interface for control of dimmable electronic ballast
- 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.

■ TECHNICAL DATA

∿	230 V AC +/- 10 % 50 Hz
⏻	approx. 1.6 W
🔊	360°
↥	2.5 m
⦫	92 x 60 x 73 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▭	Polycarbonate, UV-resistant
⟷	90 cm

Channel 1 (lighting control)
2300 W, cos φ = 1
1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

🗠	1-10 V DC, up to 50 EB
🕐	1 min - 30 min
🌙☀	10 - 2000 Lux

Mixed light measuring
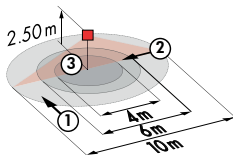
① Walking across
② Walking towards
③ Smaller movements

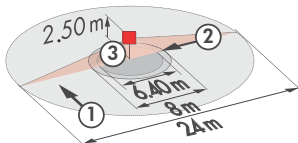| Description	Colour	Part Number
PD5-M-DIM-Clip	white	92310
Accessory		
IR-PDim	–	92200
IR-PD-DIM-Mini	–	92098
IR-Adapter for Smartphones	black	92726
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-M-DIM

'Size comparison'

ⓘ 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
- Manual switching and dimming via push button possible
- Orientation light function
- Version as Master device
- 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)

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
⬆	2.5 m
⟍	Ø 45 x 28 mm (sensor head)
	165 x 24 x 24 mm (power supply)
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊟	45 cm (screened)

Channel 1 (lighting control)

	2300 W, cos φ = 1
⎰	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	µ contact, NO contact with tungsten pre-make contact
1-10V	1-10 V DC, up to 50 EB
🕐	1 min - 30 min
🌒☀	10 - 2000 Lux
	Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD9-M-DIM-FC	white	92910
Accessory		
IR-PDim	–	92200
IR-PD-DIM-Mini	–	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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-M-DIM-GH

‚Size comparison'

ℹ PRODUCT INFORMATION

- Mini occupancy detector especially for large mounting heights, 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
- Light control feasible up to 5 m
- 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
- Additional functions can be set up using the required remote control.

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	6 m
∟	Ø 45 x 49 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊨	45 cm (screened)

Channel 1 (lighting control)

	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A μ contact, NO contact with tungsten pre-make contact
1-10V	1-10 V DC, up to 50 EB
🕐	1 min - 30 min
◑☼	10 - 2000 Lux
	Mixed light measuring

6 m

3.5 m
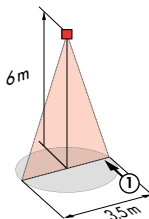
① Walking across

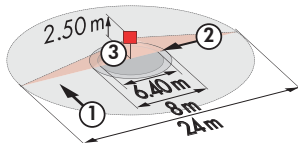| Description	Colour	Part Number
PD9-M-DIM-GH-FC	white	92924
Accessory		
IR-PDim	–	92200
IR-PD-DIM-Mini	–	92098
IR-Adapter for Smartphones	black	92726
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4-M-DIM-HVAC

FC

ⓘ PRODUCT INFORMATION

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

▶ Wiring diagrams on page 163! ⚠

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.6 W
🔊	360°
↥	2.5 m
◣	FC= Ø 97 x 103 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant

Channel 1 (lighting control)

⌿	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
1-10V	1-10 V DC, up to 50 EB
🕐	1 min - 30 min
☾☀	10 - 2000 Lux

**Channel 2
(HVAC control potential-free (dry))**

⌿	3 A/ 16 A, 230 V, cos φ = 1
	dry contact/NO
🕐	5 min - 120 min, Alarm pulse, pulse
	Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

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	–	92114
IR-PD-DIM-Mini	–	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD9-M-DIM-HVAC

'Size comparison'

ⓘ PRODUCT INFORMATION

- Mini occupancy detector with additional potential-free contact
- 1-10 V interface for control of dimmable electronic ballast
- Orientation light function
- One channel for light dimming and switching
- One additional switching channel (dry) for HVAC
- Manual switching and dimming via push button possible
- Additional functions can be set up using the required remote control
- Version as Master device
- 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 cover ring and blinds
- Factory settings 5 min and 300 lux (15 min HVAC)

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.8 W
🔊	360°
↥	2.5 m
∟	Ø 45 x 28 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP ▢	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊢▭⊣	45 cm (screened)

Channel 1 (lighting control)

/	2300 W, cos φ = 1
/	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A μ contact, NO contact with tungsten pre-make contact
1-10V	1-10 V DC, up to 50 EB
🕐	1 min - 30 min
🌙☀	10 - 2000 Lux

Channel 2 (HVAC control potential-free (dry))

/	3 A, 230 V, cos φ =1
	dry contact/NO
🕐	5 min - 60 min, pulse
	Mixed light measuring
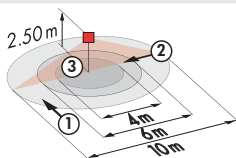
2.50 m

③ ②
①

4 m
6 m
10 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD9-M-DIM-HVAC-FC	white	92973
Accessory		
IR-PD-DIM-HKL	–	92114
IR-PD-DIM-Mini	–	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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD4-M-DUO-DIM

SM

FM

FC

(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 163!

■ TECHNICAL DATA

⊝	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
🔊	360°
↥	2.5 m
	SM= Ø 106 x 95 mm
	FC= Ø 97 x 103 mm
	FM= Ø 97 x 84 mm
IP ☐	FC= IP20 SM= IP44 FM= IP20 / Class II
🌡	-25 °C to +50 °C
☐	Polycarbonate, UV-resistant
	Channel 1 and Channel 2 (lighting control)
	2300 W, cos φ = 1
⌇	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
⎓	2 dim outputs 1-10 V DC, up to 25 EB each channel
🕐	1 min - 30 min
🌙☀	10 - 2000 Lux
	Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

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	–	92200
IR-PD-DIM-Mini	–	92098
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

B.E.G.

LUXOMAT® PD4-M-TRIO-DIM

SM

FC

■ TECHNICAL DATA

⌇ 110 - 240 V AC 50 / 60 Hz

◁ 360°

IP □ FC= IP20 SM= IP20 3/ Class II

□ Polycarbonate, UV-resistant

🕐 1 min - 60 min

Channel 1 and Channel 2 (lighting control)
3000 W, cos φ = 1
1500 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
NO contact with tungsten pre-make contact

2 dim outputs 1-10 V DC, up to 25 EB each channel

Channel 3 (lighting control potential-free (dry))
3000 W, cos φ = 1
1500 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, dry contact/NO with tungsten pre-make contact

☀ 10 - 2000 Lux

Mixed light measuring

ⓘ 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.

2.50 m
6.40 m
8 m
24 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4-M-TRIO-DIM-FC	white	92735
PD4-M-TRIO-DIM-SM	white	92730
Accessory		
IR-PD4-TRIO	–	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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

B.E.G.

LUXOMAT®net PD2-M-DALI/DSI

SM

FC

■ TECHNICAL DATA

|	
～	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
🔊	360°
↥	2.5 m
∠	SM= Ø 98 x 50 mm
	FC= Ø 80 x 85 mm
IP ▢	FC= IP20 SM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
DALI	up to 50 DALI / DSI EB
⏱	1 min - 30 min
⏱	10 % - 30 % / OFF / 5 min - 60 min / ∞
☾☼	10 - 2000 Lux
	Mixed light measuring

ⓘ 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 possible with DIP switches 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

2.50 m
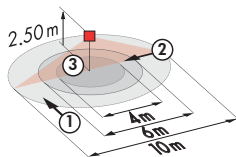
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD2-M-DALI/DSI-FC	white	92258
PD2-M-DALI/DSI-SM	white	92280
Accessory		
IR-PD-DALI-E	–	92122
IR-PD-DALI	–	92094
IR-PD-DALI-Mini	–	92112
IR-PD-DALI-LD	–	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®net PD4-M-DALI/DSI

SM

FC

■ TECHNICAL DATA

- ∼ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx. 1 W
- 🔊 360°
- ↥ 2.5 m
- ∟ SM= Ø 98 x 63 mm
  FC= Ø 97 x 103 mm
- IP □ FC= IP20 SM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- □ Polycarbonate, UV-resistant
- **Channel 1 (lighting control)**
- up to 50 DALI / DSI EB
- ⏱ 1 min - 30 min
- 10 % - 30 % / OFF / 5 min - 60 min / ∞
- 🌙☀ 10 - 2000 Lux
  Mixed light measuring

ⓘ PRODUCT INFORMATION

- Occupancy detector with large detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with DIP switches 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

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4-M-DALI/DSI-FC	white	92275
PD4-M-DALI/DSI-SM	white	92279
Accessory		
IR-PD-DALI-E	–	92122
IR-PD-DALI	–	92094
IR-PD-DALI-Mini	–	92112
IR-PD-DALI-LD	–	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®net PD4-M-DALI/DSI-C

SM

FC
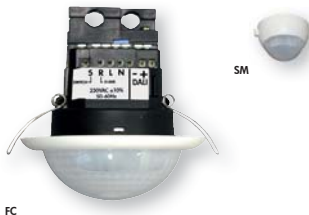
■ TECHNICAL DATA

- ⌁ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx. 1 W
- 🔊 360°
- ⚠ Mandatory mounting height 2.4 – 2.6 m
- ⌐ SM= Ø 98 x 63 mm
  FC= Ø 97 x 103 mm
- IP20 ☐ FC= IP20 SM= IP20 / Class II
- 🌡 -25 °C to +50 °C
- ☐ Polycarbonate, UV-resistant
- **Channel 1 (lighting control)**
- up to 50 DALI / DSI EB
- 🕐 1 min - 30 min
- 10 % - 30 % / OFF / 5 min - 60 min / ∞
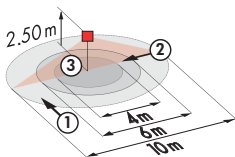- 🌙☀ 10 - 2000 Lux
  Mixed light measuring

ⓘ 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 possible with DIP switches 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

① Walking across
② Walking towards

▶ Wiring diagrams on page 163!

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	–	92122
IR-PD-DALI	–	92094
IR-PD-DALI-Mini	–	92112
IR-PD-DALI-LD	–	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®net PD9-M-DALI/DSI

■ **TECHNICAL DATA**

⊙	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
🔊	360°
↥	2.5 m
⤧	Ø 45 x 28 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊨⊨	45 cm

Channel 1 (lighting control)

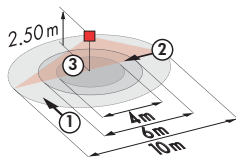|	
DALI	up to 50 DALI / DSI EB
🕐	1 min - 30 min
🕐	10 % - 30 % / OFF / 5 min - 60 min / ∞
🌙☀	10 - 2000 Lux
	Mixed light measuring

'Size comparison'

ⓘ PRODUCT INFORMATION

- Mini occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with remote control
- Manual switching and dimming via push button possible
- Orientation light function
- Version as Master device
- Detection area can be extended with Slave devices
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Includes 45mm Ø cover ring and blinds
- Simple operation with remote control (required)
- Factory settings 10 min and 500 lux
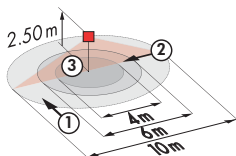
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD9-M-DALI/DSI-FC	white	92920
Accessory		
IR-PD-DALI	–	92094
IR-PD-DALI-E	–	92122
IR-PD-DALI-Mini	–	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®net PD9-M-DALI/DSI-GH

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
🔊	360°
↥	6 m
∟	Ø 45 x 49 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
⊢⊣	45 cm
	Channel 1 (lighting control)
DALI	up to 50 DALI / DSI EB
🕐	1 min - 30 min
⏱	10 % - 30 % / OFF / 5 min - 60 min / ∞
☾☀	10 - 2000 Lux
	Mixed light measuring

ⓘ PRODUCT INFORMATION

- Mini occupancy detector for daylight-dependent lighting control, especially for large mounting heights
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with remote control
- Orientation light function
- Version as Master device
- Detection area can be extended with Slave devices
- Light control feasible up to 5 m
- Power supply passes through hole in ceiling for detector (34 mm Ø)
- Includes 45mm Ø 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

① Walking across

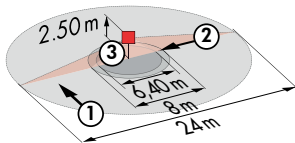| Description	Colour	Part Number
PD9-M-DALI/DSI-GH-FC	white	92938
Accessory		
IR-PD-DALI-LD	–	92652
IR-PD-DALI-E	–	92122
IR-Adapter for Smartphones	black	92726
Cover ring for PD9 (Ø 36 mm)	white/ silver/ anthracite	92238/ 92237/ 92235
Cover ring for PD9 (Ø 45 mm)	white/ silver	92327/ 92346

LUXOMAT®net PD2-M-DALI/DSI-1C

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 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 possible with DIP switches 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 163! ⚠

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
🔊	360°
↥	2.5 m
∟	Ø 80 x 85 mm
IP ▯	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1 (lighting control)

🔲	up to 50 DALI / DSI EB
🕐	1 min - 30 min
⏱	10 % - 30 % / OFF / 5 min - 60 min / ∞
🌙☀	10 - 2000 Lux

Channel 2 (lighting or HVAC control)

∤	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
🕐	5 min - 120 min, Alarm pulse, pulse
	Mixed light measuring

2.50 m

③ ② ①
4 m
6 m
10 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD2-M-DALI/DSI-1C-FC	white	92486
Accessory		
IR-PD-DALI-1C	–	92116
IR-PD-DALI-Mini	–	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

B.E.G.

LUXOMAT®net PD2-M-DALI/DSI-HVAC

■ **TECHNICAL DATA**

FC

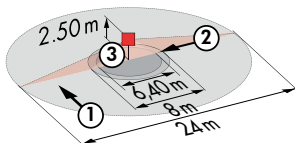ⓘ **PRODUCT INFORMATION**

- Occupancy detector for daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One additional potential-free switching channel having 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
- Switching between DALI and DSI possible with DIP switches 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

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
📡	360°
↥	2.5 m
⌐	Ø 80 x 85 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
DALI	up to 50 DALI / DSI EB
🕐	1 min - 30 min
🕐	10 % - 30 % / OFF / 5 min - 60 min / ∞
🌙☀	10 - 2000 Lux
	Channel 2 (lighting control or HVAC control, potential-free (dry))
⌇	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, dry contact/NO with tungsten pre-make contact
🕐	5 min - 120 min, Alarm pulse, pulse
	Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

⚠

Description	Colour	Part Number
PD2-M-DALI/DSI-HVAC-FC	white	92698
Accessory		
IR-PD-DALI-1C	–	92116
IR-PD-DALI-Mini	–	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT®net PD4-M-DALI/DSI-1C

FC

■ TECHNICAL DATA

- 110 - 240 V AC 50 / 60 Hz
- approx. 1 W
- 360°
- Mandatory mounting height 2.5 m
- Ø 97 x 103 mm
- IP20 / Class II
- -25 °C to +50 °C
- Polycarbonate, UV-resistant

Channel 1 (lighting control)
- up to 50 DALI / DSI EB
- 1 min - 30 min
- 10 % - 30 % / OFF / 5 min - 60 min / ∞
- 10 - 2000 Lux

Channel 2 (lighting or HVAC control)
- 2300 W, cos φ = 1
- 1150 VA, cos φ = 0.5
- max. inrush current Ip (20ms) = 165 A
- μ contact, NO contact with tungsten pre-make contact
- 5 min - 120 min, Alarm pulse, pulse
- Mixed light measuring

ⓘ PRODUCT INFORMATION

- Occupancy detector with large detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- One 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 possible with DIP switches 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 163!

2.50 m / 6.40 m / 8 m / 24 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4-M-DALI/DSI-1C-FC	white	92488
Accessory		
IR-PD-DALI-1C	–	92116
IR-PD-DALI-Mini	–	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

B.E.G.

LUXOMAT®net PD4-M-DALI/DSI-HVAC

FC

■ TECHNICAL DATA

～	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
	360°
↑	2.5 m
⌐	Ø 97 x 103 mm
IP20 / Class II	
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
DALI	up to 50 DALI / DSI EB
🕐	1 min - 30 min
	10 % - 30 % / OFF / 5 min - 60 min / ∞
🌙☼	10 - 2000 Lux
	Channel 2 (lighting control or HVAC control, potential-free (dry))
∤	2300 W, cos φ = 1
	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, dry contact/NO with tungsten pre-make contact
🕐	5 min - 120 min, Alarm pulse, pulse
	Mixed light measuring

ⓘ PRODUCT INFORMATION

- Occupancy detector with large detection area, daylight-dependent lighting control
- DALI / DSI interface for control of digital dimmable electronic ballasts as a group
- Switching between DALI and DSI possible with DIP switches and remote control
- One additional potential-free switching channel having 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
- 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

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4-M-DALI/DSI-HVAC-FC	white	92699
Accessory		
IR-PD-DALI-1C	–	92116
IR-PD-DALI-Mini	–	92112
IR-Adapter for Smartphones	black	92726
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT®net PD4-M-DUO-DALI/DSI

FC

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
🔊	360°
↥	2.5 m
∡	Ø 97 x 103 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
	Channel 1 and Channel 2 (lighting control)
DALI	up to 25 DALI / DSI-EB per channel
🕐	1 min - 30 min
🌙☀	10 - 2000 Lux
	Mixed light measuring

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

① Walking across
② Walking towards
③ Smaller movements

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

LUXOMAT®net PD4-M-TRIO-DALI/DSI

SM

FC

■ TECHNICAL DATA

⊙	110 - 240 V AC 50 / 60 Hz
⏻	approx. 2.2 W
🔊	360°
⬆	2.5 m
∟	SM= Ø 124 x 85 mm FC= Ø 117 x 100 mm
IP □	FC= IP20 SM= IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant

Channel 1 and Channel 2 (lighting control)

DALI	up to 25 DALI / DSI-EB per channel
🕐	1 min - 60 min
	10 % - 30 % / OFF / 5 min - 60 min / ∞
🌙☀	10 - 2000 Lux

Channel 3 (lighting control)

⌁	up to 10 DALI / DSI EB
	Mixed light measuring

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

2.50 m

6.40 m

8 m

24 m

① Walking across
② Walking towards
③ Smaller movements

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	–	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®net PD4-M-TRIO-2DALI/DSI-1C

SM

FC

ⓘ PRODUCT INFORMATION

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

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 1 W
🔊	360°
↥	2.5 m
IP ▢	FC= IP20 SM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1 and Channel 2 (lighting control)

DALI	up to 25 DALI / DSI-EB per channel
🕐	1 min - 60 min
🌙☀	10 - 2000 Lux

Channel 3 (lighting control or HVAC control, potential-free (dry))

∤	3000 W, cos φ = 1
	1500 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, dry contact/NO with tungsten pre-make contact
🕐	1 min - 60 min
🌙☀	10 - 2000 Lux
	Mixed light measuring
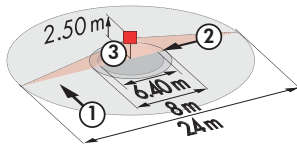
2.50 m
6.40 m
8 m
24 m

① Walking across
② Walking towards
③ Smaller movements

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	–	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
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Socket IP54 for PD4-TRIO-SM	white	92386

LUXOMAT® PD4-M-DAA4G

SM

FC

ⓘ 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. cutoff 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)

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0,4 W
🔊	360°
↥	2.5 m
∟	FC= Ø 117 x 100 mm SM= Ø 124 x 85 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant

DALI Control:

DALI	1 - 64 DALI-EB max. 150 mA
🕐	1 min - 150 min (Light zones)
🕐	10 % - 30 % / OFF / 5 min - 60 min / ∞
☀	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
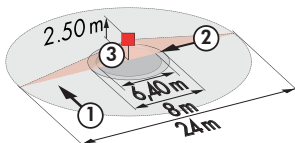
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4-M-DAA4G-FC	white	92591
PD4-M-DAA4G-SM	white	92743
Accessory		
IR-Adapter for Smartphones (erforderlich)	black	92726
PD4-S-DAA4G-FC	white	92721
PD4-S-DAA4G-SM	white	92759

LUXOMAT® PD4-S-DAA4G

SM

FC

■ TECHNICAL DATA

∼	22 V DC via DALI Bus
Ⓐ	7 mA
🔊	360°
↥	2.5 m
∟	FC= Ø 98 x 96 mm
	SM= Ø 101 x 76 mm
IP □	FC= IP20 SM= IP54 / Class II
□	Polycarbonate, UV-resistant
	up to 4 slave devices in combination with one PD4-M-DAA4G
💲	22 V DC
⊡	pulse interval 30 seconds (in test mode 2 seconds during 3 minutes)
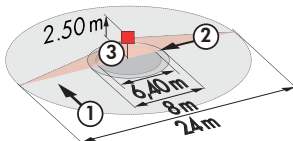
ⓘ PRODUCT INFORMATION

- Slave device particularly for DALI compact system PD4-M-DAA4G
- 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 required

① Walking across
② Walking towards
③ Smaller movements

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® Indoor 140-L

EU version

EU version

UK version

ⓘ 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
- With centre plate suitable for all current flush-mount switch programs
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.4 W, approx. 0.8 W with night light
◀	120°
↥	1.1 m
∟	EU version: 88 x 88 x 52 mm UK version: 87 x 87 x 40 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant

Channel 1 (lighting control)

⅄ 2000 W, cos φ = 1
1000 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact

🕒 15 sec - 30 min

�︎☀ 10 - 2000 Lux
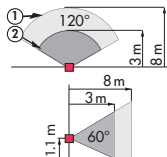
① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 140-L frame included (UK version)	white (similar to RAL 9010) matt	94327
Indoor 140-L frame not included (European version)	–	94325
Indoor 140-L frame included (European version)	pure white (similar to RAL 9010) glossy	94328
Accessory		
Washable Cover	transparent	94329
Covering IP20	anthracite (similar to RAL 7021) matt	94341
Covering IP20	pure white (similar to RAL 9010) glossy	94342
Covering IP20	pure white (similar to RAL 9010) matt	94343
Covering IP20	white (similar to RAL 1013) matt	94344
Centre plate 63x63 mm	pure white (similar to RAL 9010) glossy	94345
Centre plate 55 x 55 mm	pure white (similar to RAL 9010) glossy	94346
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® Indoor 180-R

EU version

EU version

UK version

■ TECHNICAL DATA

- ⌇ 110 - 240 V AC 50 / 60 Hz
- ⏻ approx. 0.5 W
- 🔊 180°
- ↥ 1.1 - 2.2 m
- ⟋ EU version: 87 x 87 x 61 mm
  UK version: 86 x 86 x 44 mm
- IP 🔲 IP20 / Class II
- 🌡 -25 °C to +50 °C
- ▢ Polycarbonate, UV-resistant

  Channel 1 (lighting control)
  2300 W, cos φ = 1
  1150 VA, cos φ = 0.5
  μ contact, NO contact, max. inrush current Ip (20ms) = 165 A
- 🕐 15 sec - 16 min, pulse
- 🌙☀ 10 - 2000 Lux

ⓘ 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 frame (centre plate dimensions 60x60 mm) or without frame for use with frame (centre plate dimensions 50x50 mm) in 5 different colours
- With centre plate suitable for all current flush-mount switch programs
- Manual switching via push-button possible
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-R, frame included (UK version)	pure white (similar to RAL 9010) matt	92610
Indoor 180-R, frame included (European version)	pure white (similar to RAL 9010) matt	92623
Indoor 180-R, frame not included (European version)	–	92665
Accessory		
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Frame IP54 for Indoor 180, white	pure white (similar to RAL 9010) matt	92139
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® Indoor 180-T

EU version

EU version

UK version

■ TECHNICAL DATA

⊖	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.5 W
◁	180°
↥	1.1 - 2.2 m
∟	EU version: 87 x 87 x 61 mm UK version: 86 x 86 x 44 mm
IP ▭	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

① Walking across
② Walking towards

ⓘ 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 frame (centre plate dimensions 50x50 mm) in 5 different colours
- With centre plate suitable for all current flush-mount switch programs
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

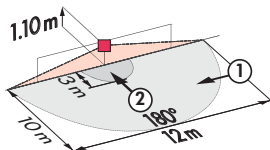| Description	Colour	Part Number
Indoor 180-T frame included (UK version)	pure white (similar to RAL 9010) matt	92611
Indoor 180-T frame included (European version)	pure white (similar to RAL 9010) matt	92622
Indoor 180-T frame not included (European version)	–	92664
Accessory		
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Frame IP54 for Indoor 180, white	pure white (similar to RAL 9010) matt	92139

LUXOMAT® Indoor 180-R-2D

EU version

UK version

ⓘ 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
- Frame included

▶ Wiring diagrams on page 163!

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz 5 x NiMH / 30 AAAA 1,2 V / 200 mAh
⏻	approx. 0.5 W
🔊	180°
⭱	1.1 - 2.2 m
∟	EU version: 87 x 87 x 61 mm UK version: 86 x 86 x 44 mm
IP □	IP20 / Class II
🌡	+5 °C to +45 °C
▭	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
⌇	EU version: 2300 W / min. 30 W, cos φ = 1 UK version: 3000 W / min. 30 W, cos φ = 1 μ contact, NO contact, max. inrush current Ip (20ms) = 165 A
🕐	15 sec - 16 min, pulse
🌙☀	10 - 2000 Lux

1.10 m

3 m
10 m
12 m
180°

① ②
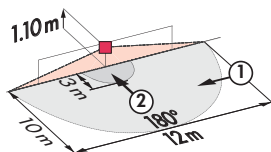
① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-R/2W-UK, frame included (UK version)	pure white (similar to RAL 9010) matt	92717
Indoor 180-R-2D frame included (European version)	pure white (similar to RAL 9010) matt	92616
Accessory		
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Frame IP54 for Indoor 180, white	pure white (similar to RAL 9010) matt	92139

LUXOMAT® Indoor 180-SC

EU version

EU version

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz Power supply via staircase timer
⏻	approx. 0.8 W
🔊	180°
↥	1.1 - 2.2 m
⊿	87 x 87 x 61 mm
IP ▢	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⚡	max. 0.2 A / 230 V
🕐	Impulse duration 0,1 s; deactivation of light evaluation 1 min - 10 min
☾☀	10 - 2000 Lux

① Walking across
② Walking towards

ⓘ PRODUCT INFORMATION

- Wall motion detector designed for staircase timer
- Triac version with 2-wire technology, no neutral
- Available with frame (centre plate dimensions 60x60 mm) or without frame for use with frame (centre plate dimensions 50x50 mm) in 5 different colours
- With centre plate suitable for all current flush-mount switch programs
- Guarantees correct operation with the SCT1 (max. 10 sensors per unit)
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

Description	Colour	Part Number
Indoor 180-SC frame included	pure white (similar to RAL 9010) matt	92650
Indoor 180-SC frame not included	-	92668
Accessory		
SCT1	grey	92655
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Frame IP54 for Indoor 180, white	pure white (similar to RAL 9010) matt	92139

LUXOMAT® SCT1

■ TECHNICAL DATA

- 230 V AC +/- 10 % 50 Hz
- < 0.75 W
- 18 x 86 x 66 mm
- IP20 / Class II
- -25 °C to +50 °C
- Polycarbonate, UV-resistant
- 2300 W / 10 A, cos φ = 1
- 3 or 4-wire circuit, max. 100 mA in standby mode
  NO contact
- 30 sec - 10 min

ⓘ PRODUCT INFORMATION

- Staircase timer 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 (similar to RAL 9010) matt	92650
Indoor 180-SC frame not included	-	92668

LUXOMAT® Indoor 180-R-11-48V

EU version

EU version

ⓘ 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 60x60 mm) or without frame for use with faceplate (interior cover dimensions 50x50 mm) in 5 different colours
- With centre plate suitable for all current flush-mount switch programs
- Manual switching via push-button possible
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

■ TECHNICAL DATA

⊘	11 - 48 V AC / DC
⏻	approx. 1 W
🔊	180°
⬆	1.1 - 2.2 m
⬔	87 x 87 x 61 mm
IP ▣	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⌇	**Channel 1 (potential-free (dry))** **(3A version)**; 3 A, cos φ = 1 **(RR version)**; with Reed-Relay, 100 mA, cos φ = 1 μ-contact, dry NO contact
⏱	15 sec - 16 min, Pulse
🌙☀	10 - 2000 Lux
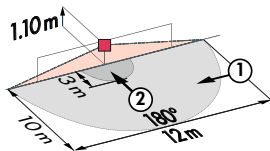
① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-R-11-48V-3A frame included	pure white (similar to RAL 9010) matt	92621
Indoor 180-R-11-48V-3A frame not included	-	92666
Indoor 180-R-11-48V-RR frame not included	-	92667
Accessory		
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Frame IP54 for Indoor 180, white	pure white (similar to RAL 9010) matt	92139

LUXOMAT® Indoor 180-M-2C

EU version

EU version

ⓘ PRODUCT INFORMATION

- Wall occupancy detector with acoustic sensor, as master-device
- 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
- Available with frame (centre plate dimensions 60x60 mm) or without frame for use with frame (centre plate dimensions 50x50 mm) in 5 different colours
- Acoustic sensor independently adjustable
- Noise automatically extends follow-up time
- With centre plate suitable for all current flush-mount switch programs
- Factory settings 10 min and 500 lux (15 min. HVAC)
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

■ TECHNICAL DATA

⊘	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.4 W
🔊	180°
↥	1.1 - 2.2 m
⟋	87 x 87 x 61 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant

Channel 1 (lighting control)
2300 W, cos φ = 1
⟋ 1150 VA, cos φ = 0.5
max. inrush current Ip (20ms) = 165 A
μ contact, NO contact with tungsten pre-make contact
🕐 15 sec - 30 min, pulse
☾☀ 10 - 2000 Lux

**Channel 2
(HVAC control potential-free (dry))**
⟋ 3 A, 230 V, cos φ =1
μ contact, dry contact NO
🕐 5 min - 120 min, Alarm pulse, Pulse

① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-M-2C frame included	pure white (similar to RAL 9010) matt	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 (similar to RAL 9010) matt	92139
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit	black	10882

LUXOMAT® PD2-S

SM

FM

FC

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.2 W
📢	360°
↥	2.5 m
	SM= Ø 98 x 50 mm
∟	FC= Ø 80 x 85 mm
	FM= Ø 98 x 65 mm
IP □	FC= IP20 SM= IP20 FM= IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
Ⓢ	110 - 240 V AC
▥	Pulse interval of 2 s or 9 s

① Walking across
② Walking towards
③ Smaller movements

ⓘ PRODUCT INFORMATION

- Slave detector with circular detection area
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G, Indoor 140-L, PD2N-M-1C-LED

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

FM

FC
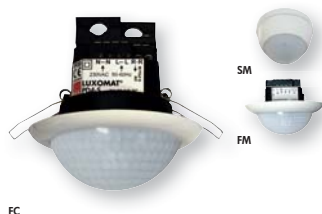
ℹ PRODUCT INFORMATION

- Slave detector with large 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-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G, Indoor 140-L, PD2N-M-1C-LED

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.2 W
🔊	360°
↥	2.5 m
	SM= Ø 101 x 76 mm
∠	FC= Ø 97 x 103 mm
	FM= Ø 97 x 84 mm
IP □	FC= IP20 SM= IP54 FM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
💲	110 - 240 V AC
▦	Pulse interval of 2 s or 9 s

2,50 m
③ ②
6,40 m
①
8 m
24 m
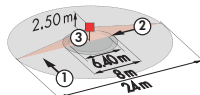
① Walking across
② Walking towards
③ Smaller movements

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
Wall fixture for PD4-SM	white	92441
Socket IP65 for PD4-SM (IP54)	white	92376

LUXOMAT® PD4-S-C

SM

FM

FC

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.2 W
🔊	360°
⚠	Mandatory mounting height 2.4 – 2.6 m
	SM= Ø 101 x 76 mm
∟	FC= Ø 97 x 103 mm
	FM= Ø 97 x 84 mm
IP □	FC= IP20 SM= IP54 FM= IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
S	110 - 240 V AC
▥	Pulse interval of 2 s or 9 s

ⓘ PRODUCT INFORMATION

- Slave detector designed for corridors
- For extending the detection area of a Master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G, Indoor 140-L, PD2N-M-1C-LED
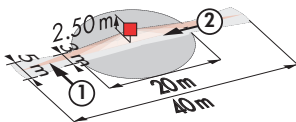
① Walking across
② Walking towards

Description	Colour	Part Number
PD4-S-C-FC	white	92444
PD4-S-C-SM	white	92442
PD4-S-C-FM	white	92445
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Wall fixture for PD4-SM	white	92441
Socket IP65 for PD4-SM (IP54)	white	92376

LUXOMAT® PD4-S-GH

SM

■ TECHNICAL DATA

〜	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.2 W
🔊	360° oval
↥	14 m
⌁	Ø 98 x 63 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
⑤	110 - 240 V AC
⧖	Pulse interval of 2 s or 9 s

ⓘ PRODUCT INFORMATION

- Slave detector 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-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G, Indoor 140-L, PD2N-M-1C-LED
- ***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.***

14 m
9 m
22 m
30 m
44 m

① Walking across
② Walking towards

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

B.E.G.

LUXOMAT® PD5-S-Clip

Clip

ⓘ PRODUCT INFORMATION

- Slave detector 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, Indoor 140-L, PD2N-M-1C-LED

■ TECHNICAL DATA

∿	230 V AC +/- 10 % 50 Hz
⏻	approx. 0.6 W
◁	360°
↥	2.5 m
⟋	91,5 x 60 x 73 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
⊢⊣	90 cm
$	230 V AC
⎌	Pulse interval 9 s
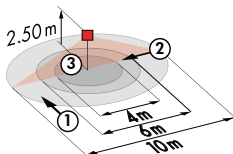
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD5-S-Clip	white	92316

LUXOMAT® PD9-S

‚Size comparison'

ⓘ 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, Indoor 140-L, PD2N-M-1C-LED

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.2 W
◀)	360°
↑	2.5 m
∟	Ø 45 x 28 mm (sensor head) 165 x 24 x 24 mm (power supply)
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
▯	Polycarbonate, UV-resistant
⊨	45 cm
$	110 - 240 V AC
⧉	Pulse interval 9 s
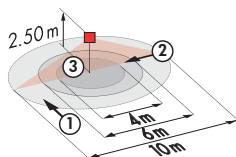
① Walking across
② Walking towards
③ Smaller movements

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

‚Size comparison'

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.3 W
🔊	360°
↥	6 m
⌐	Ø 45 x 41 mm (sensor head)
	165 x 24 x 24 mm (power supply)
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
⊢⊣	45 cm
S	110 - 240 V AC
🔲	Pulse interval 9 s

ⓘ PRODUCT INFORMATION

- Mini slave device (especially for large mounting heights) for extending the detection area of a master device
- Trigger pulse to master device upon detected movement independent of the ambient light level
- 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 Ø 45mm cover ring and blind
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G, Indoor 140-L, PD2N-M-1C-LED

6 m

① 3.5 m

② Walking across

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

The world's smallest DALI detector

PICO-DALISYS-FC   Part no.: 93909

- Mini DALI multisensor (installation depth: 11mm)

- Seemless integration in B.E.G. LUXOMAT® net DALISYS

- Detection area: 360˚

- Range: Ø 10 m

- Typical applications: Offices, conference rooms, schools, nursery schools, hospitals

LUXOMAT® PD11-S

FC

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.2 W
🔊	360°
↥	2.5 m
⬡	Ø 52 x 60 mm
IP □	IP20 / Class II
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
$	110 - 240 V AC
▥	Pulse interval 9 s

2.50 m

① Walking across
② Walking towards
③ Smaller movements

3 m
6 m
9 m

ⓘ 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
- Spring clips for quick and easy installation in suspended ceilings
- Compatible with all Master devices except: PD4-M-DS-FC, 11-48V units, PD9-M-SDB, PD4-M-DAA4G, Indoor 140-L, PD2N-M-1C-LED
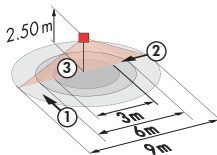
Description	Colour	Part Number
PD11-S-FLAT-FC	white	92593
Accessory		
Cover ring PD11	black	92537

LUXOMAT® Indoor 180-S

EU version

EU version

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	approx. 0.2 W
📢	180°
↑	1.1 - 2.2 m
⊿	87 x 87 x 61 mm
IP□	IP20 / Class II
🌡	-25 °C to +50 °C
▭	Polycarbonate, UV-resistant
🕲	110 - 240 V AC
🕙	Pulse interval 2 or 9 s

ⓘ 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, Indoor 140-L, PD2N-M-1C-LED
- Available with frame (centre plate dimensions
  60x60 mm) or without frame for use with frame
  (centre plate dimensions 50x50 mm) in 5 different
  colours
- With centre plate suitable for all current flush-mount
  switch programs
- B.E.G. frame and centre plate for combination with
  all other frame systems, see page 110

① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-S frame included	pure white (similar to RAL 9010) matt	92135
Indoor 180-S frame not included	-	92660
Accessory		
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Frame IP54 for Indoor 180, white	pure white (similar to RAL 9010) matt	92139

Cover for B.E.G. occupancy and motion 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   PD2-SM with blind

LUXOMAT® PD2-FC – Part no. 36635

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

PD2-FC   PD2-FC with blind

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 blind

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 blind

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

PD9-GH-FC   PD9-GH-FC with blind

LUXOMAT® PD11-FC – Part no. 38522

PD11-FC   PD11-FC with blind

- 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	**LUXOMAT® Mini-Arc extinction kit – Part no. 10882**
L 62 x W 39 x H 24 mm	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 instal-lation. For technical reasons, voltage peaks when switching inductive loads (e.g. electronic ballasts), especially in combination with long cables, can lead to unexpected operation of ceiling or occupancy detectors.

- 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.

Blinds for B.E.G. wall switches

- LUXOMAT® Indoor 180 – Part no. 33233

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

Indoor 180 with blinds

- 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	- LUXOMAT® Mini-Arc extinction kit – Part no. 10882
L 62 x W 39 x H 24 mm	**L 50 x W 22 x H 10 mm**

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- 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.

INDOOR 140-L – Flush mount, IP20

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

Sensor with frame

60 mm
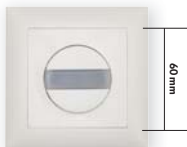
Sensor without frame

Sensor without frame

+

Frame IP20

=

Indoor 140-L

pure white, glossy
similar RAL9010
94342

pure white, matt
similar RAL9010
94343

anthracite, matt,
similar RAL7021
94341

oyster white, matt
similar RAL9001
94344
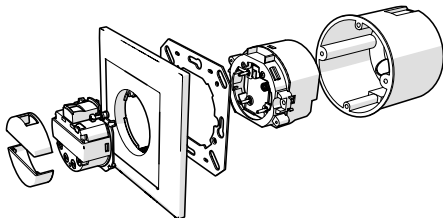
- In order to fulfill higher hygiene requierements a washable cover is available as accessory. It offers the possibility to wash the Indoor 140-L in order to remove viruses and bacteria, for example.

MOTION AND OCCUPANCY DETECTORS AS WALL SWITCHES

B.E.G.

INDOOR 180 – Flush mount, IP20

The Indoor 180 can either be ordered with a pre-mounted frame in B.E.G. design or without frame. For the sensor inserts without frame, we offer frames for self-mounting in 5 different colours. Please note that the pre-mounted frames have other inner dimensions than the frames for self-mounting. Enclosed to the detectors with pre-mounted frame are additional frames having inner dimensions of 50x50 mm.

Sensor with frame

Sensor without frame

60 mm

50mm

Sensor without frame + **Frame IP20** = **Indoor 180**

traffic white, matt similar RAL9016 92631	pure white, matt similar RAL9010 92630	oyster white, matt similar RAL9001 92632	anthracite, matt similar RAL7021 92634	silver, matt similar RAL9006 92633

INDOOR 180 – Flush mount, IP54

Sensor without frame + **Frame IP54 (92139)** = **Indoor 180**

Combined with other switch systems

Sensor without frame + Single or multiple frame of the switch program + Centre plate as an adapter for standard 50 x 50 mm according to DIN 49075 + Covering for Indoor 180, differents colours = Indoor 180

Centre plate for Indoor 140-L

Adapter for installation into common switch systems	Part. no.	suitable for
Centre plate set (63x63mm), pure white, matt, similar RAL 9010	94345	
Centre plate set (63x63mm), anthracite, glossy, similar RAL 7021	94347	**Busch-Jäger**
Centre plate set (63x63mm), cream white, glossy, similar RAL 9001	94349	future linear, carat
Centre plate set (55x55mm), pure white, glossy, similar RAL 9010	94346	**Merten** System M (1-M, Atelier-M, M-Smart, M-Pure, M-Plan, M-Creativ)
Centre plate set (55x55mm), signal white, glossy, similar RAL 9003	94352	**Jung** SERIE A (A 500, A plus, A creation, AS 500) **Gira** System 55 (Standard 55, E2, Event, Esprit) **Schneider** (only 94352)
Centre plate set (45x45mm), pure white, glossy, similar RAL 9010	38946	**legrand** Niloé (Ref. 665011)
Centre plate set (45x45mm), oyster white, matt, similar RAL 1013	39075	**Niko** Niko Original (Ref. 100-76100)

Centre plate for Indoor 180

Adapter for installation into common switch systems	Part no.	suitable for
Centre plate set (56x56mm), pure white, glossy, similar RAL 9010	35126	**Berker S1**
Centre plate set (56x56mm), pure white, glossy, similar RAL 9010, rounded	35127	**Berker Modul1**
Centre plate set (55x55mm), signal white, glossy, similar RAL 9003	39241	**Merten** System M (1-M, Atelier-M, M-Smart, M-Pure, M-Plan, M-Creativ)
Centre plate set (55x55mm), pure white, glossy, similar RAL 9010	39222	**Jung** SERIE A (A 500, A plus, A creation, AS 500) **Gira** System 55 (Standard 55, E2, Event, Esprit) **Schneider** (only 94352)
Centre plate set (45x45mm), traffic white, matt, similar RAL 9016	38947	legrand **Niloé** (Ref. 665011)
Centre plate set (45x45mm), oyster white, matt, similar RAL 1013	39076	**Niko** Niko Original (Ref. 100-76100)
Centre plate set (45x45mm), pure white, glossy, similar RAL 9010, rounded	39242	**ABB** **Busch-Jäger** reflex S1

Modules for pre-wired ceiling-mounted motion detectors
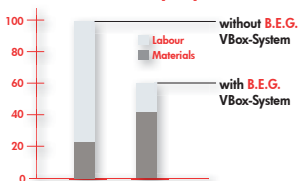
COST COMPARISON [in %]

- without B.E.G. VBox-System
  - Labour
  - Materials
- with B.E.G. VBox-System

- ▪ 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

Connector and socket for power supply

Extension cable for flexible wiring

230V≈

230V≈ **M1 VBox**

PD3-/PD4-/PD9-1 Channel

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

111

LUXOMAT® net occupancy detectors and multisensors

Networkable products

Bus system components are not connected via the normal 230 V wiring, but use wiring set up specially for their use (a bus), which supplies all system components with power, and carries sensor signals.

Applications for B.E.G. bus systems range from simple home automation all the way to control of entire building complexes. Configuration of the installation can be perfectly coordinated to the intended use, and retrospective changes are easy to implement.

The KNX and DALI bus systems support international standards, which means they can be extended practically however may be required. The broad range available gives installers the freedom to respond to all requests.

In both the KNX and DALI sectors, B.E.G. offers a wide selection of components, which combine in perfect harmony to create large building automation systems.

Occupancy detectors for KNX BUS for switching or dimming

Occupancy detector	Page				Mixed light measuring	Motion detection	Remote control-capable	Range	Additional functions
RC-plus next N 230 KNX-DX	115	93394 – white 93395 – black	–	–	▪	▪	▪	20 m	–
PD2N-KNX-BA	116	–	93380	93381	▪	▪	–	Ø 10 m	–
PD2N-KNX-ST	117	–	93382	93383	▪	▪	▪	Ø 10 m	–
PD2N-KNX-DX	118	–	93360	93361	▪	▪	▪	Ø 10 m	–
PD4N-KNX-ST	119	–	93384	93385	▪	▪	▪	Ø 24 m	–
PD4N-KNX-DX	120	–	93386	93387	▪	▪	▪	Ø 24 m	–
PD4N-KNX-K-DX	121	–	93388	93389	▪	▪	▪	Ø 40 m	–
PD4N-KNX-GH-DX	122	93399		–	▪	▪	▪	Ø 44 m	–
PD9-KNX-DX	123	–	93390	–	▪	▪	▪	Ø 10 m	–
PD9-KNX-GH-DX	124	–	93391	–	▪	▪	▪	Ø 6 m	–
PD11-KNX-FLAT-DX	125	–	93392	–	▪	▪	▪	Ø 9 m	–
Indoor 180-KNX-BA	126	93362	–	–	▪	▪	–	max. r = 10 m	–
Indoor 180-KNX-ST	127	93363	–	–	▪	▪	▪	max. r = 10 m	–
Indoor 180-KNX-DX	128	93364	–	–	▪	▪	▪	max. r = 10 m	–
Indoor 140-L-KNX-DX	129	93393	–	–	▪	▪	▪	max. r = 8 m	Switch function and downlight

11-48V Occupancy detector

PD2N-LTMS	130	–	92113	–	▪	▪	▪	Ø 10 m	Output of values as analog voltage
PD2N-LTMS-RR	131	–	92119	–	▪	▪	▪	Ø 10 m	with reed relay
PD4N-LTMS-RR	132	–	92709	–	▪	▪	▪	Ø 24 m	with reed relay

Occupancy detector for LON-BUS

PD2N-LON	133	92734	92736	–	▪	▪	▪	Ø 10 m	–
PD4N-LON	134	92834	92831	–	▪	▪	▪	Ø 24 m	–
PD9-LON	135	–	92989	–	▪	▪	▪	Ø 10 m	Mini detector
Indoor 180-LON	136	92329	–	–	▪	▪	▪	max. r = 10 m	–

MEMBER
KNX

Variety of KNX products for every requirement

The KNX world offers users so many options for intelligent networking that the choice of the right occupancy detector can no longer be made solely on the basis of detection range. Depending on mounting location, more or less functionality is required in software.

To classify different use cases, the B.E.G. KNX occupancy and motion detectors from Generation 6 onwards are divided into three variants with differing ranges of functionality.

BA *Basic – inexpensive solution for simple requirements*

ST *Standard – comprehensive solution for common requirements*

DX *Deluxe – premium solution for demanding requirements*

Functional overview

	BA	ST	DX
Channel 1 switching depending on light level Channel 2 switching independent of light level	▪	▪	▪
Channel 1, 3 and 4 switching depending on/ independent of light level	–	▪	▪
Two light sensors	–	PD2, PD4	PD2, PD4
Sound sensor	–	–	PD2, PD4, Indoor 180
Temperature sensor	–	–	PD2, PD4, Indoor 180
Integrated LED and two freely-configurable push-buttons	–	–	Indoor 140-L
Logic module	–	–	▪
Improved light measurement	–	PD2, PD4	PD2, PD4
Offset function	–	▪	▪
Short presence	–	▪	▪
Self-adjustment of follow-up time	–	▪	▪
Changes in daylight	–	▪	▪
Periodic transmission of motion detection	–	▪	▪
Individual sensor adjustment	–	PD4	RC-plus next, PD4
Direction detection	–	PD4	RC-plus next, PD4
Presence simulation	–	–	▪
HVAC mode	–	▪	▪

LUXOMAT®net RC-plus next 230 N KNX-DX

■ TECHNICAL DATA

- ⊙ 24 V DC via KNX BUS
- Ⓐ 12 mA
- ◀ 230°
- ↥ 2.5 m
- ∟ 121 x 71 x 85 mm
- IP □ IP54 / Class II
- 🕐 1 h to 100 h selectable
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
- 🌡 -25 °C to +45 °C
- ▢ Polycarbonate, UV-resistant
- ⟋ 1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
- ⏱ 10 % - 100 % / OFF / 1 min - 255 min
- 🌓 10 % - 100 %
- 🌙☀ 5 - 2000 Lux

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Adaption of dimming curve
- Anti-creep zone
- Measuring of mixed light thanks to internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Wall, ceiling and corner mounting
- Temperature sensor
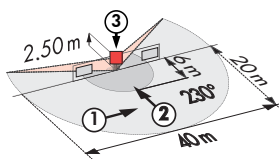
① Walking across
② Walking towards
③ Anti-creep zone

Description	Colour	Part Number
RC-plus next 230 N KNX-DX	white	93394
RC-plus next 230 N KNX-DX	black	93395
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Inside corner socket	white	97005
Corner socket	white/ black	97004/ 97024
Wire basket BSK	white	92467

115

LUXOMAT®net PD2N-KNX-BA

■ TECHNICAL DATA

- ⊙ 24 V DC via KNX BUS
- Ⓐ 12 mA
- 🔊 360°
- ↥ 2.5 m
- ∟ FM= Ø 106 x 42 mm
  FC= Ø 83 x 55 mm
- IP 🔲 IP20 / Class II
  full automatic mode
- 🌡 -5 °C to +45 °C
- ☐ Polycarbonate, UV-resistant
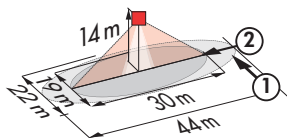- ⌇ 1 separate HVAC output, 1x light (for switching)
- 🌓☀ 5 - 2000 Lux

FM

FC

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Mixed light measurement with internal light sensor
- One light output (switchable) and one separate HVAC output
- Various locking functions
- Status LEDs can be activated / deactivated

2.50 m

② ③ ①

4 m
6 m
10 m
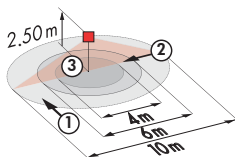
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD2N-KNX-BA-FC	white	93380
PD2N-KNX-BA-FM	white	93381
Accessory		
Socket SM	white	93304
Wire basket BSK	white	92199

LUXOMAT®net PD2N-KNX-ST

FM

FC

TECHNICAL DATA

⊙	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	360°
↥	2.5 m
∟	FC= Ø 83 x 55 mm FM= Ø 106 x 42 mm
IP ▱	IP20 / Class II
100h	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▫	Polycarbonate, UV-resistant
⎍	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
🕐	10 % - 100 % / OFF / 1 min - 255 min
☾	10 % - 100 %
🌙☼	5 - 2000 Lux

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal and external light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Recall of light scenes
- Status LEDs can be activated / deactivated

2.50 m

① Walking across
② Walking towards
③ Smaller movements

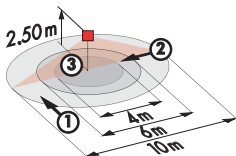| Description	Colour	Part Number
PD2N-KNX-ST-FC	white	93382
PD2N-KNX-ST-FM	white	93383
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
Infrared luxmeter IR-LM	–	93030
Socket SM	white	93304
Wire basket BSK	white	92199

LUXOMAT®net PD2N-KNX-DX

FM

FC

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal and external light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Sound and temperature sensor

■ TECHNICAL DATA

∼	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	360°
↥	2.5 m
∟	FC= Ø 83 x 55 mm FM= Ø 106 x 42 mm
IP ▢	IP20 / Class II
100h	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
⌇	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
⚙🕐	10 % - 100 % / OFF / 1 min - 255 min
🌑	10 % - 100 %
🌓	5 - 2000 Lux

2.50 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD2N-KNX-DX-FC	white	93360
PD2N-KNX-DX-FM	white	93361
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Socket SM	white	93304
Wire basket BSK	white	92199

LUXOMAT®net PD4N-KNX-ST

FM

FC

■ TECHNICAL DATA

|	
⏦	24 V DC via KNX BUS
Ⓐ	12 mA
📢	360°
↥	2.5 m
∟	FC= Ø 106 x 68 mm FM= Ø 106 x 55 mm
IP □	IP20 / Class II
100 h	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
⌇	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
⏱	10 % - 100 % / OFF / 1 min - 255 min
C☾	10 % - 100 %
☾☀	5 - 2000 Lux

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Adaption of dimming curve
- Mixed light measurement with internal and external light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Recall of light scenes
- Status LEDs can be activated / deactivated
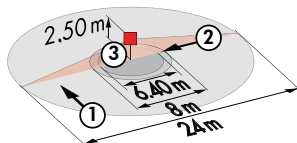
2.50 m
6.40 m
8 m
24 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4N-KNX-ST-FC	white	93384
PD4N-KNX-ST-FM	white	93385
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
Infrared luxmeter IR-LM	–	93030
Socket SM	white	93304
Wire basket BSK	white	92199

LUXOMAT®net PD4N-KNX-DX

FM

FC

■ TECHNICAL DATA

∿	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	360°
↥	2.5 m
∟	FC= Ø 106 x 68 mm
	FM= Ø 106 x 55 mm
IP □	IP20 / Class II
100h	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
⌁	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
🕐	10 % - 100 % / OFF / 1 min - 255 min
C☀	10 % - 100 %
🌙☀	5 - 2000 Lux

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Adaption of dimming curve
- Mixed light measurement with internal and external light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Sound and temperature sensor

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD4N-KNX-DX-FC	white	93386
PD4N-KNX-DX-FM	white	93387
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Socket SM	white	93304
Wire basket BSK	white	92199

LUXOMAT®net PD4N-KNX-C-DX

FM

FC

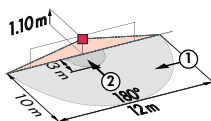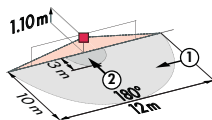## ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Adaption of dimming curve
- Mixed light measurement with internal and external light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Sound and temperature sensor

■ TECHNICAL DATA

⊖	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	360°
⚠	Mandatory mounting height 2.4 m - 2.6 m
⦛	FC= Ø 106 x 68 mm FM= Ø 106 x 55 mm
IP ▢	IP20 / Class II
100h	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
⌇	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
⏲	10 % - 100 % / OFF / 1 min - 255 min
	10 % - 100 %
☀	5 - 2000 Lux
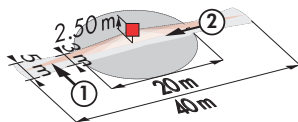
① Walking across
② Walking towards

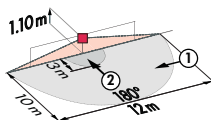| Description	Colour	Part Number
PD4N-KNX-C-DX-FC	white	93388
PD4N-KNX-C-DX-FM	white	93389
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Socket SM	white	93304
Wire basket BSK	white	92199

LUXOMAT®net PD4N-KNX-GH-DX

SM

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of detection sensitivity for each PIR sensor
- PIR sensors can be deactivated individually
- Direction of movement can be identified
- Adaption of dimming curve
- Mixed light measurement with internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Sound and temperature sensor
- Light regulation feasible up to 5 m mounting height
- *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

⊘	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	360°
↥	14 m
∟	Ø 98 x 63 mm
IP □	IP20 / Class II
🕐	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
□	Polycarbonate, UV-resistant
∤	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
⏱	10 % - 100 % / OFF / 1 min - 255 min
🗘	10 % - 100 %
☀	5 - 2000 Lux

① Walking across
② Walking towards

Description	Colour	Part Number
PD4N-KNX-GH-DX-SM	white	93399
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Wire basket BSK	white	92199

LUXOMAT®net PD9-KNX-DX

FC

■ TECHNICAL DATA

⊙	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	360°
↥	2.5 m
∟	Ø 45 x 28 mm (Sensor head) 120 x 29 x 22 mm (power supply)
IP ☐	IP20 / Class II
100 h	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
☐	Polycarbonate, UV-resistant
↔	45 cm
⁄	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
⏰	10 % - 100 % / OFF / 1 min - 255 min
C🔆	10 % - 100 %
🌙🔆	5 - 2000 Lux

① PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes Ø 45mm cover ring and blinds
- Temperature sensor

2.50 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD9-KNX-DX-FC	white	93390
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Coverring Ø 36mm	anthracite/silver/white	92235/92237/92238
Coverring Ø 45mm	white/silver	92327/92346

LUXOMAT®net PD9-KNX-GH-DX

FC

ⓘ PRODUCT INFORMATION

- KNX mini occupancy detector with integrated KNX bus connector, especially for large mounting heights
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- One light output (for regulating or switching) and three separate HVAC outputs
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Spring clips for quick and easy installation in suspended ceilings and light fittings
- Includes ⌀ 45mm cover ring and blinds
- Light regulation feasible up to 5 m mounting height

■ TECHNICAL DATA

⌇	24 V DC via KNX BUS
Ⓐ	12 mA
◁	360°
↥	6 m
⌲	⌀ 45 x 40 mm (Sensor head)
	120 x 29 x 22 mm (power supply)
IP ▢	IP20 / Class II
⌛	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
⟷	45 cm
⌁	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
⌚	10 % - 100 % / OFF / 1 min - 255 min
🌑	10 % - 100 %
☀	5 - 2000 Lux
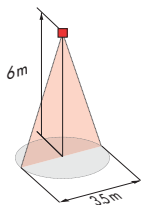
① Walking across

Description	Colour	Part Number
PD9-KNX-DX-GH-FC	white	93391
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Coverring ⌀ 36mm	anthracite/silver/white	92235/92237/92238
Coverring ⌀ 45mm	white/silver	92327/92346

LUXOMAT®net PD11-KNX-FLAT-DX

FC

ⓘ PRODUCT INFORMATION

- Low profile KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Sound and temperature sensor
- Spring clips for quick and easy installation in suspended ceilings
- Includes blinds and clamp ring for installation in lights

■ TECHNICAL DATA

∿	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	360°
↥	2.5 m
∟	Ø 52 x 48 mm
IP ▢	IP20 / Class II
🕐	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
∕	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
⏱	10 % - 100 % / OFF / 1 min - 255 min
C☀	10 % - 100 %
🌙☀	5 - 2000 Lux
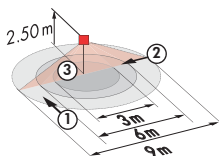
① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD11-KNX-FLAT-DX-FC	white	93392
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Cover ring PD11	black	92537
Infrared luxmeter IR-LM	–	93030

LUXOMAT®net Indoor 180-KNX-BA

FM

■ **TECHNICAL DATA**

⊝	24 V DC via KNX BUS
Ⓐ	12 mA
	180°
	1.1 - 2.2 m
	87 x 87 x 61 mm
IP ▢	IP20 / Class II
	full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
	1 separate HVAC output, 1x light (for switching)
🌙☀	5 - 2000 Lux

① Walking across
② Walking towards

ⓘ **PRODUCT INFORMATION**

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Mixed light measurement with internal light sensor
- full automatic mode
- One light output (switchable) and one separate HVAC output
- Various locking functions
- Status LEDs can be activated / deactivated
- For use with covering (interior cover dimensions 50x50mm) in 5 different colours
- With centre plate suitable for all current flush-mount switch programs
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

Description	Colour	Part Number
Indoor 180-KNX-BA-FM	white	93362
Accessory		
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141

LUXOMAT®net Indoor 180-KNX-ST

FM

■ TECHNICAL DATA

~	24 V DC via KNX BUS
A	12 mA
	180°
	1.1 - 2.2 m
	87 x 87 x 61 mm
IP □	IP20 / Class II
	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
	-5 °C to +45 °C
	Polycarbonate, UV-resistant
	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
	10 % - 100 % / OFF / 1 min - 255 min
	10 % - 100 %
	5 - 2000 Lux

① PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Various locking functions
- Soft-start
- Recall of light scenes
- Status LEDs can be activated / deactivated
- For use with covering (interior cover dimensions 50x50mm) in 5 different colours
- With centre plate suitable for all current flush-mount switch programs
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-KNX-ST-FM	white	93363
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Infrared luxmeter IR-LM	–	93030

LUXOMAT®net Indoor 180-KNX-DX

FM

PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Recall of light scenes
- Sound and temperature sensor
- For use with covering (interior cover dimensions 50x50mm) in 5 different colours
- With centre plate suitable for all current flush-mount switch programs
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

■ TECHNICAL DATA

⊘	24 V DC via KNX BUS
Ⓐ	12 mA
🔊	180°
↥	1.1 - 2.2 m
⚠	Attention, exceptional mounting height!
∠	FM= 87 x 87 x 61 mm
IP □	IP20 / Class II
¹⁰⁰ₕ	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▢	Polycarbonate, UV-resistant
⌄	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
◔⏱	10 % - 100 % / OFF / 1 min - 255 min
💡	10 % - 100 %
🌙☀	5 - 2000 Lux

① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-KNX-DX-FM	white	93364
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141

LUXOMAT®net Indoor 140-L-KNX-DX

FM

■ TECHNICAL DATA

~	24 V DC via KNX BUS
Ⓐ	24 mA
🔊	120°
↑	1.1 m
⬏	88 x 88 x 52 mm
IP ▫	IP20 / Class II
100h	1 h to 100 h selectable
	Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric detector), full automatic mode
🌡	-5 °C to +45 °C
▭	Polycarbonate, UV-resistant
⁄	1 light output (for regulating or switching), 1x slave output, 3 separate HVAC outputs
	10 % - 100 % / OFF / 1 min - 255 min
	10 % - 100 %
☾☀	5 - 2000 Lux

ⓘ PRODUCT INFORMATION

- KNX occupancy detector with integrated KNX bus connector
- Individual adaption of the motion sensor sensitivity
- Adaption of dimming curve
- Mixed light measurement with internal light sensor
- Calculation of the reflection factor, e.g. on a desk, with optional IR-LM Infrared luxmeter
- Regulation/switching of three light groups via offset (external influence possible)
- Short presence, self-adjusting follow-up time
- Two logic modules
- Internal orientation light
- Recall of light scenes
- With integrated double pushbutton
- Please order coverings for EU version separately; available in various colours
- Integrated downlight with the function of an orientation or a night light
- Integrated pushbutton (two functions programmable)
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110
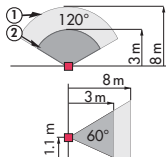
① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 140-L-KNX-DX-FM	white	93393
Accessory		
IR-Adapter for Smartphones	black	92726
IR-PD-KNX	–	92123
IR-PD-KNX-Mini	–	93398
Infrared luxmeter IR-LM	–	93030

LUXOMAT® PD2N-LTMS

FC

ⓘ PRODUCT INFORMATION

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

▶ ⚠

■ TECHNICAL DATA

∿	16 - 48 V DC
⏻	< 1 W
🔊	360°
↥	2.5 m
∟	Ø 80 x 83 mm
IP □	IP20 / Class II
☀	0 – 1000 Lux, 0-10 V, approx. 10 mV/Lux
🌡	0°C – +50°C, 0-10 V, approx. 200 mV/°C
🌡	0 °C to +50 °C
⬚	Polycarbonate, UV-resistant
	Channel 1
⌇	16 - 48 V DC / 3 A at cos φ = 1
	µ contact, potential-free (dry) contact NO
⏲	15 sec - 30 min, Pulse
	Mixed light measuring
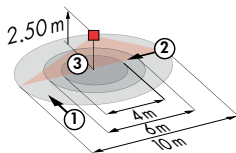
2.50 m

① Walking across
② Walking towards
③ Smaller movements

Description	Colour	Part Number
PD2-LTMS-FC	white	92113
Accessory		
Wire basket BSK (Ø 200 x 90 mm)	white	92199

LUXOMAT® PD2N-LTMS-RR

FC

ⓘ 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.

▶ Wiring diagrams on page 163! ⚠

■ TECHNICAL DATA

⊘	12 - 48 V DC
⏻	< 1 W
🔊	360°
↑	2.5 m
∟	Ø 80 x 83 mm
IP ⊡	IP20 / Class II
☀	0 – 1000 Lux, 0-10 V, approx. 10 mV/Lux
🌡	0°C – +50°C, 0-10 V, approx. 200 mV/°C
🌡	0 °C to +50 °C
⬜	Polycarbonate, UV-resistant
	Channel 1
⌇	0 - 48 V / 100 mA
	μ contact, potential-free (dry) contact NO
🕐	1 s - 30 min with potentiometer, with remote control 5 s - 60 min, pulse Mixed light measuring

2.50 m
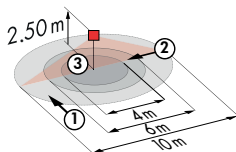
① Walking across
② Walking towards
③ Smaller movements

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

LUXOMAT® **PD4N-LTMS-RR**

FC

ℹ️ PRODUCT INFORMATION

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

■ TECHNICAL DATA

∼	12 - 48 V DC
⏻	< 1 W
🔊	360°
↥	2.5 m
⬊	Ø 98 x 103 mm
IP ☐	IP20 / Class II
☀	0 – 1000 Lux, 0-10 V, approx. 10 mV/Lux
🌡	0°C – +50°C, 0-10 V, approx. 200 mV/°C
🌡	0 °C to +50 °C
☐	Polycarbonate, UV-resistant
	Channel 1
⌁	0 - 48 V DC / 100 mA
	µ contact, potential-free (dry) contact NO
🕐	1 s - 30 min with potentiometer, with remote control 5 s - 60 min, pulse Mixed light measuring

2.50 m
2
3
6.40 m
1
8m
24m
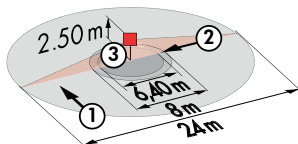
① Walking across
② Walking towards
③ Smaller movements

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

LUXOMAT®net PD2N-LON

FC

SM

■ TECHNICAL DATA

~	24 V AC / DC +/- 20 %
A	12 mA at 24 V DC
	20 mA at 24 V AC
⏻	< 0.5 W
🔊	360°
↥	2.5 m
⟋	FC= Ø 80 x 65 mm
	SM= Ø 98 x 50 mm
IP □	FC= IP20 SM= IP20 / Class II
🌡	+5 °C to +50 °C
▭	Polycarbonate, UV-resistant
	Mixed light measuring

ⓘ PRODUCT INFORMATION

- LON occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- Full-automatic or semi-automatic operation mode
- The following device functions are provided as bus variables:
  - 1 x Light sensor
  - 1 x Occupancy sensor
  - 1 x Occupancy and light controller
  - 1 x Occupancy controller
  - 2 x Sunblind switch
  - 1 x Space comfort controller
  - 3 x push button function
  - 1 x Scene panel
- Switching or constant light control modes.
- Easy interface to HVAC systems
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- IR-PD-LON user remote control (optional)
- Settings with the LON installation tool
- Configurable orientation light level and follow-up time when area is vacated

2.50 m

4m
6m
10m

① Walking across
② Walking towards
③ Smaller movements

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

LUXOMAT®net PD4N-LON

FC

SM

■ TECHNICAL DATA

- ∼ 24 V AC / DC +/- 20 %
- Ⓐ 12 mA at 24 V DC
  20 mA at 24 V AC
- ⏻ < 0.5 W
- ◁ 360°
- ↑ 2.5 m
- ∟ SM= Ø 97 x 84 mm
  FC= Ø 98 x 63 mm
- IP ▢ IP20 / Class II
- 🌡 +5 °C to +50 °C
- ▢ Polycarbonate, UV-resistant
  Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

ⓘ PRODUCT INFORMATION

- LON occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- The following device functions are provided as bus variables:
  1 x Light sensor
  2 x Occupancy sensor
  2 x Occupancy & Light controller
  2 x Occupancy controller
  2 x Sunblind Switch
  1 x SCC Command Module
  3 x push button function
  1 x Scene Panel
- Full-automatic or semi-automatic operation mode
- Switching or constant light control modes.
- Easy interface to HVAC systems
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- IR-PD-LON user remote control (optional)
- Settings with the LON installation tool
- Configurable orientation light level and follow-up time when area is vacated

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

LUXOMAT®net PD9-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°

↥ 2.5 m

∟ Ø 45 x 28 mm (Sensor head)
120 x 29 x 22 mm (Power pack)

IP ▢ IP20 / Class II

🌡 +5 °C to +50 °C

▢ Polycarbonate, UV-resistant

↔ 45 cm

Mixed light measuring

① Walking across
② Walking towards
③ Smaller movements

ⓘ PRODUCT INFORMATION

- LON occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- Full-automatic or semi-automatic operation mode
- The following device functions are provided as bus variables:
  1 x Light sensor
  1 x Occupancy sensor
  1 x Occupancy and light controller
  1 x Occupancy controller
  2 x Sunblind switch
  1 x Space comfort controller
  3 x push button function
  1 x Scene panel
- Switching or constant light control modes.
- Easy interface to HVAC systems
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- IR-PD-LON user remote control (optional)
- Settings with the LON installation tool
- Configurable orientation light level and follow-up time when area is vacated

Description	Colour	Part Number
PD9-LON-FC	white	92989
Accessory		
IR-PD-LON	–	92835
IR-Adapter for Smartphones	black	92726

135

LUXOMAT®net Indoor 180-LON

FM

ⓘ PRODUCT INFORMATION

- LON wall occupancy detector with integrated light sensor for daylight-dependent lighting regulation
- Full-automatic or semi-automatic operation mode
- The following device functions are provided as bus variables:
  - 1 x Light sensor
  - 1 x Occupancy sensor
  - 1 x Occupancy and light controller
  - 1 x Occupancy controller
  - 2 x Sunblind switch
  - 1 x Space comfort controller
  - 3 x push button function
  - 1 x Scene panel
- Switching or constant light control modes.
- Easy interface to HVAC systems
- FT5000 LON transceiver
- All configuration properties changeable via network variables
- IR-PD-LON user remote control (optional)
- Settings with the LON installation tool
- For use with covering (interior cover dimensions 50x50mm) in 5 different colours
- Configurable orientation light level and follow-up time when area is vacated
- B.E.G. frame and centre plate for combination with all other frame systems, see page 110

■ TECHNICAL DATA

∿	24 V DC +/- 20 % via LON BUS
Ⓐ	12 mA at 24 V DC
	20 mA at 24 V AC
⏻	< 0.5 W
🔊	180°
↥	1.1 - 2.2 m
⚠	Attention, exceptional mounting height!
⌐	87 x 87 x 61 mm
IP ▢	IP20 / Class II
🌡	-5 °C to +50 °C
	Mixed light measuring
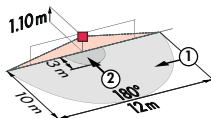
① Walking across
② Walking towards

Description	Colour	Part Number
Indoor 180-LON, covering not included	-	92329
Accessory		
Indoor 180 socket for wall mounting, IP44	pure white (similar to RAL 9010) glossy	92141
Frame IP54 for Indoor 180, white	pure white (similar to RAL 9010) matt	92139
IR-PD-LON	–	92835
IR-Adapter for Smartphones	black	92726

DALISYS – the bus system of the future

DALISYS

Responding to the forthcoming DALI2 standard, B.E.G. has developed DALISYS. Lighting, the core DALI area, can then be combined with other areas directly via the DALI bus. The bus does not have to be newly installed, as two free cores in the existing mains wiring can be used.

With a combination of control, lighting and system devices, DALISYS is almost infinitely scalable – everything from fitting out single rooms to lighting control for a complete building complex is possible.

The components are addressable and work on the principle of distributed intelligence, which means a high level of operational reliability can be achieved.

The system's flexibility can be seen on the three additional installation examples for different property sizes on the following pages.

Multisensor

Relay module

Power supply

Lamp with DALI ballast

Legend

——	DALI line
▭	Wall lamp (without DALI ballast)
⊕	HVAC control
——	Relay control
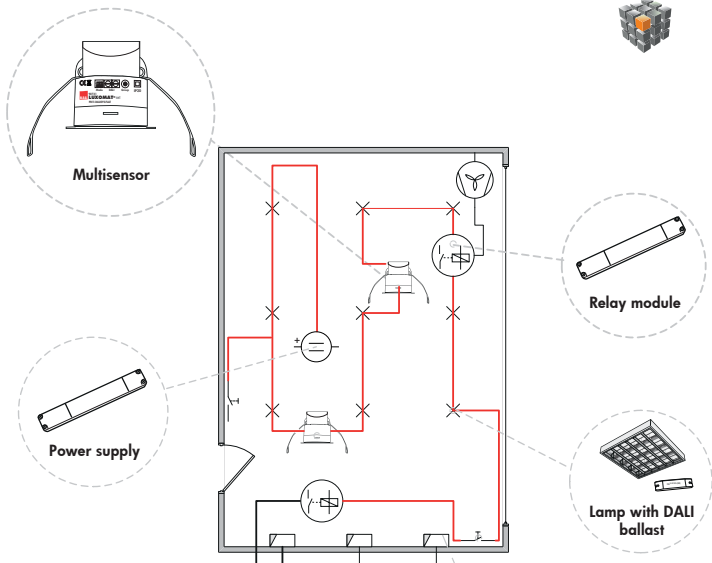
DALI-Push button module with Bluetooth DALI-REG

Commissioning, maintenance and remote control (scenes) with smartphone

Installation Tool App

User Remote App

via 🔵

✷ **Bluetooth**™

Multisensor

Lamp with DALI ballast

Relay module

Switch cabinet

Push button module
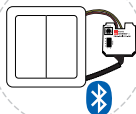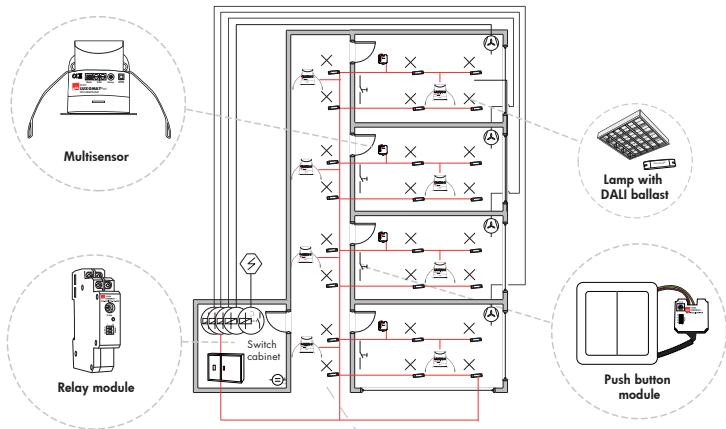
Legend

——	DALI line
Ⓐ	HVAC control
——	Relay control
⚡	Cut-off with contactor
✕	Lamp with DALI ballast

DALI-REG Power supply with USB-Interface

Needed for commissioning and maintenance only

PC-Tool Windows

USB

DALI 4   DALI 3   DALI 2   DALI 1

USB 4   USB 3   USB 2   USB 1
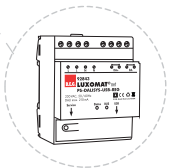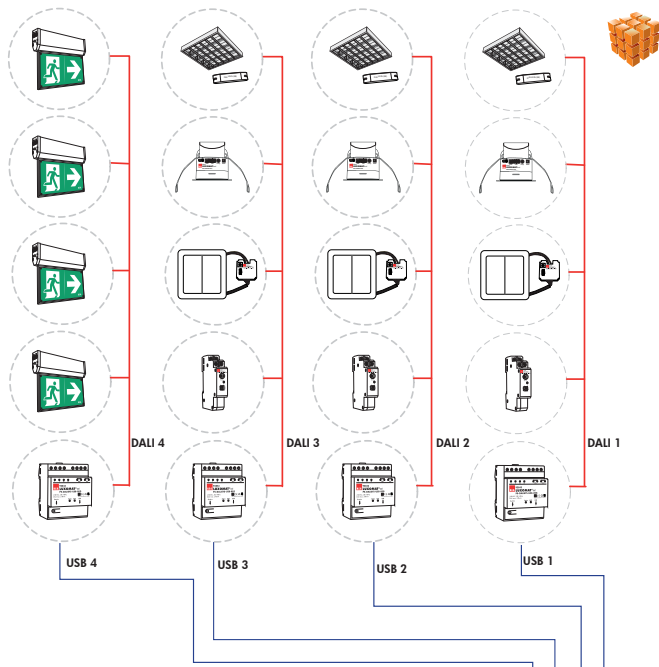
Legend

——— DALI line

DALI-REG-Router – parametrization with webbrowser

Needed for commissioning,
maintenance, monitoring,
scheduling and emergency
lights management

Web browser

LAN / HTTP
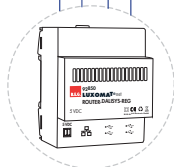
The comfortable access to DALI

B.E.G. assists you in planning, commissioning and realising your DALISYS project:

- The B.E.G. planning department assists you in planning the perfect equipment for your project and advises you on the DALISYS functions and possibilities, e.g. the Guided Light function.

- The B.E.G. CAD department creates an interactive 2D floor plan of your project. Therefore, the client is provided with a visualisation of the lights, multisensors and push-buttons.

- B.E.G.'s DALI lighting control unit is a pre-wired enclosure comprising the components for up to four DALI lines. This enables a quick installation.

- B.E.G.'s DALI experts will be at your side with help all the way from the first drawing to commissioning to achieve our common goal: satisfied customers.

INFO:

Pre-wired DALI lighting control unit DLC4

Various DALISYS components are pre-mounted and pre-wired by B.E.G. in an enclosure. The installer only has to connect the input and output wires to the DALI bus, network and LAN and the enclosure is ready to use.

B.E.G. SAFETYLUX®

NEW with LED technology!

▪ www.beg-luxomat.com ▪

Controlled security with DALI-BUS –

Intelligent emergency lights with LED technology

B.E.G. SAFETYLUX®

NEW
with LED technology!

Safetylux portable LED –

Portable emergency light with LED technology

B.E.G. LUXOMATIC®

▪ **www.beg-luxomat.com** ▪

Intelligent automatic lights

Ambiance with LED technology

Overview of remote controls for motion and occupancy detectors

Remote control	Part no.	RC-plus next N	LC-plus 280	PD2	PD3N	PD4	PD5	PD9	PD11	Indoor 180	CdS
IR-RC	92000	■	–	–	–	–	–	–	–	–	–
IR-RC-LD	92649	■	–	–	–	–	–	–	–	–	–
IR-RC-Mini	92090	■	–	–	–	–	–	–	–	–	–
IR-LC-plus	92095	–	■	–	–	–	–	–	–	–	–
IR-LC-Mini	92093	–	■	–	–	–	–	–	–	–	–
IR-PD3N	92105	–	–	–	PD3N-1C-NO-PF / PD3N-1C (Micro)	PD4N-1C / PD4N-1C-C	–	–	–	–	–
IR-PD3/4N-1C-E	93110	–	–	–	PD3N-1C	PD4N-1C	–	–	–	–	–
IR-PD3N-2C	92115	–	–	–	PD3N-2C	–	–	–	–	–	–
IR-PD (Geräte vor 2011)	92160	–	–	PD2-M-1C / PD2-M-2C	–	PD4-M-1C / PD4-M-2C / PD4-M-2C-C	PD5-M-1C	–	–	–	–
IR-PD-Mini	92159	–	–	PD2-M-1C / PD2-M-2C	–	PD4-M-1C / PD4-M-1C-GH / PD4-M-2C / PD4-M-1C	PD5-M-1C	PD9-M-1C(-GH) / PD9-M-1C-SDB-IR65(-GH)	–	Indoor 180-M-2C	–
IR-PD-1C	92520	–	–	PD2-M-1C	–	PD4-M-2C-DS / PD4-M-1C-C(-PS)	–	PD9-M-1C(-GH)	PD11-M-1C	–	–
IR-PD-2C	92475	–	–	PD2-M-2C	–	PD4-M-2C-C / PD4-M-2C	–	PD9-M-2C	–	Indoor 180-M-2C	–
IR-PD-LD	92479	–	–	–	–	PD4-M-1C-GH	–	–	–	–	–
IR-PD4-GH	92215	–	–	–	–	PD4-M-1C-GH	–	–	–	–	–
IR-PD9 (Geräte vor 2011)	92201	–	–	–	–	–	–	PD9-M-1C(-GH) / PD9-M-1C-SDB-IR65(-GH)	–	–	–
IR-PD9-E	92077	–	–	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	PD11-M-1C	–	–
IR-PD4-TRIO-3C	92851	–	–	–	–	PD4-M-3C-TRIO	–	–	–	–	–
IR-PD-DUO	92092	–	–	–	–	PD4-M-2C-DUO	–	–	–	–	–
IR-PDim	92200	–	–	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)	–	–	–

B.E.G.

Product	Order No.	PD2	PD4	PD5	PD9	PD11	Indoor 180	RC-plus	CdS
IR-PD-DIM-Mini	92098	PD2-M-DIM	PD4-M-DIM / PD4-M-DIM-C / PD4-M-DIM-HVAC / PD4-M-DUO-DIM / PD4-M-TRIO-DIM	PD5-M-DIM	PD9-M-DIM (-GH)	–	–	–	–
IR-PD4-TRIO	92097	–	–	–	–	–	–	–	–
IR-PD-DIM-HVAC	92114	–	PD4-M-DIM-HVAC	–	PD9-M-HVAC	–	–	–	–
IR-PD-DALI-Mini	92112	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	PD2-M-DALI/DSI	PD4-M-DALI/DSI / PD4-M-DALI/DSI-C / PD4-M-DUO-DALI/DSI	–	PD9-M-DALI/DSI	–	–	–	–
IR-PD-DALI-LD	92652	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	–	PD4-M-TRIO-DALI	–	–	–	–	–	–
IR-PD-DALI-1C	92116	PD2-M-DALI/DSI-1C	PD4-M-DALI/DSI-1C	–	–	–	–	–	–
IR-PD-DALI-E	92122	PD2-M-DALI/DSI	PD4-M-DUO-DALI / PD4-M-DALI/DSI	–	PD9-M-DALI/DSI	–	–	–	–
IR-PD-KNX	92123	PD2N-KNX-ST/DX	PD4N-KNX-ST / PD4N-KNX(-GH/-C)-DX	–	PD9-KNX(-GH)-DX	PD11-KNX-DX	Indoor 180 KNX-DX	RC-plus next 230 KNX-DX	–
IR-PD-KNX-Mini	93398	PD2N-KNX-DX	PD4N-KNX(-GH/-C)-DX	–	PD9-KNX(-GH)-DX	PD11-KNX-DX	Indoor 180 KNX-DX	RC-plus next 230 KNX-DX	–
IR-LTMS	92185	PD2N-LT-MS-RR	PD4N-LTMS-RR	–	–	–	–	–	–
IR-Adapter for Smartphones	92726	■	■	■	■	■	■	■	■
IR-CdS-T	92368	–	–	–	–	–	–	–	CdS-T-SM
IR-CdS	92577	–	–	–	–	–	–	–	CdS-DALI/DSI-SM / CdS-SM
IR-CdS-FP	92396	–	–	–	–	–	–	–	CdS-DIM-FC / CdS-FC
IR-PD-LON	92835	PD2N-LON	PD4N-LON	–	PD9-LON	–	Indoor 180-LON	–	–

The new B.E.G. remote control app

iOS + Android

Available on the App Store

GET IT ON Google play

B.E.G. BiRC

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.

Saving energy through twilight-dependent light switching

■ Easy light switching with integrated automatic function

Automatically switching lights

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

Light sensors measure the ambient light conditions and 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 photoelectric switches for a variety of purposes to this end: for profilerails, for installation in units and for wall or post installation as well as a remotely controlled product.

Saving energy with lights!

Overview of photoelectric switches and constant light controls

Photocell	Part no.	Page	Surface mounting	Ceiling mounting	Post mounting	Device installa-tion	DIN rail	Remote controllable	Switching power	Time delay
CdS-T-SM	92367	150	▪	–	–	–	–	▪	2300 W	–
CdS-DALI/DSI-FC	92562	151	–	▪	–	–	–	▪	2300 W	▪
CdS-DALI/DSI-SM	92563	151	▪	–	–	–	–	▪	2300 W	▪
CdS-DIM-FC	92589	152	–	▪	–	–	–	▪	2300 W	▪
CdS-SM	92369	153	▪	–	▪	–	–	–	2300 W	▪
CdS-FC	92249	154	–	▪	–	–	–	▪	2000 W	▪
CdS-R	92365	155	–	–	–	▪	–	–	1000 W	▪
TS-DD	92681	156	–	–	–	–	▪	–	1000 W	▪
MiniClip LR1	92320	157	–	–	–	–	–	–	–	–

LUXOMAT® CdS-T

SM

■ TECHNICAL DATA

⊙	110 - 240 V AC 50 / 60 Hz
⏻	<0,5W
∟	69 x 63 x 55
IP □	IP54 / Class II / CE
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	2300 W, cos φ = 1
⌇	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	NO contact with tungsten pre-make contact
☾☀	2 - 300 Lux

ⓘ PRODUCT INFORMATION

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

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

LUXOMAT® CdS-DALI/DSI

FC

SM

ℹ PRODUCT INFORMATION

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

■ TECHNICAL DATA

⊘	110 - 240 V AC 50 / 60 Hz
⏻	<1W
↥	2.5 m
∟	SM= Ø 102 x 48 mm
	FC= Ø 80 x 75 mm
IP □	FC= IP20 SM= IP54 / Class II / CE
🌡	-25 °C to +50 °C
▭	Polycarbonate, UV-resistant

Channel 1 (lighting control)

	2300 W, cos φ = 1
∤	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	µ contact, NO contact with tungsten pre-make contact
DALI	up to 50 DALI / DSI EB
ON ⏲	determined automatically
OFF ⏲	1 min - 30 min
◐☀	10 - 2000 Lux

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

LUXOMAT® CdS-DIM

FC

ⓘ PRODUCT INFORMATION

- Remote control-capable photoelectric switch with 1-10V interface
- 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

■ TECHNICAL DATA

∼	110 - 240 V AC 50 / 60 Hz
⏻	<1W
⬆	2.5 m
⟋	Ø 80 x 75 mm
IP ▢	IP20 / Class II / CE
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	2300 W, cos φ = 1
⟋	1150 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
1-10V	1-10 V DC, up to 50 EB
ON 🕐	determined automatically
OFF 🕐	1 min - 30 min
☾☀	10 - 2000 Lux

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

LUXOMAT® CdS

■ TECHNICAL DATA

⊘	110 - 240 V AC 50 / 60 Hz
⏻	<0,5W
∟	42 x 80 x 96 mm
IP □	IP54 / Class II / CE
🌡	-25 °C to +50 °C
▢	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	2300 W, cos φ = 1
∤	1150 VA, cos φ = 0.5
	μ contact, NO contact
⏱	1 sec - 120 sec
☾☀	2 - 1000 Lux

ⓘ PRODUCT INFORMATION

- Photoelectric switch for automatic switching
- Activation and deactivation delay with self-learning deactivation-light value
- Integrated automatic function (10 Lux / 40 sec. activation / 120 sec. deactivation delay)
- LED setting aid (no delay) for adjustment of switch-on threshold
- Light value and activation/deactivation delay may be set from the outside using the potentiometer
- Double cable inlet from underneath possible
- Wall and post installation

▶ Wiring diagrams on page 163!   !

Description	Colour	Part Number
CdS-SM	white	92369

LUXOMAT® CdS

ⓘ PRODUCT INFORMATION

- Remote control-capable photoelectric switch
- Extra flat form – only 6 mm high
- Adjustable switch-off delay with self-learning switch-off threshold

▷ Wiring diagrams on page 163! ⚠

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	<1W
⌐	Ø 80 x 74 mm
IP ☐	IP20 / Class II / CE
🌡	-25 °C to +50 °C
☐	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
	2000 W, cos φ = 1
⌇	1000 VA, cos φ = 0.5
	max. inrush current Ip (20ms) = 165 A
	μ contact, NO contact with tungsten pre-make contact
ON⏲	determined automatically
OFF⏲	5 s - 30 min
☾☀	10 - 2000 Lux

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

LUXOMAT® CdS-R

■ TECHNICAL DATA

∿	110 - 240 V AC 50 / 60 Hz
⏻	<0,5W
∠	24 x 15 x 8 mm (light sensor) 61 x 23 x 38 mm (power supply)
IP □	Housing IP20 / Light sensor IP54 / Class II / CE
🌡	-25 °C to +50 °C
□	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
⌇	1000 W, cos φ = 1 350 VA, cos φ = 0.4 μ contact, NO contact
⏲	10 sec - 15 sec
☾☀	2 - 100 Lux

ⓘ PRODUCT INFORMATION

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

Description	Colour	Part Number
CdS-R	black	92365

LUXOMAT® TS-DD

■ TECHNICAL DATA

⊘	230 V AC +/- 10 % 50 Hz
⌐	63 x 38 x 58 mm
IP ☐	IP54 (Light sensor) / Class II / CE
🌡	-35 °C to +50 °C
☐	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
⌇	Resistive loads 1000 W at cos φ = 1
	Fluorescent lamps 600 W
	Halogen-Lamps 450 W
ON 🕐	approx. 8 sec
OFF 🕐	approx. 40 sec
🌙☀	1 - 100 Lux / 50 - 1000 Lux

ⓘ PRODUCT INFORMATION

- Photoelectric switch for DINrail
- LED setting aid (no delay) for adjustment of switch-on threshold
- 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

⌐	Ø 31 x 68 mm
◁	140°
IP □	IP20 / Class II / CE
🌡	0°C to +50 °C
▭	Polycarbonate, UV-resistant
	Channel 1 (lighting control)
1-10V	1-10 V DC, up to 50 EB
☾☀	400 - 1500 Lux

ⓘ 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® Schematics for electricians and consultants
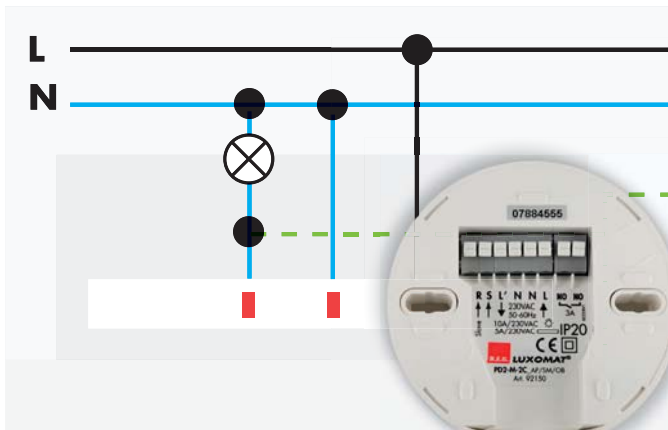
**Top-quality products from B.E.G. –
quickly and easily installed**

Since more than 40 years our name represents excellent quality and reliable solutions. But B.E.G. quality goes far beyond perfect functioning and attractive design. Starting with our development department, we make high demands on our products.

Our developers do not make any compromises and attach a special value to a good quality of the materials and an innovative technology. They are always searching for optimum solutions and new user-friendly functions.

Our motion and occupancy detectors offer various switching variants. On the following pages you find wiring diagrams for all detectors named in this catalogue.

For any questions please do not hesitate to contact us. Our staff will be pleased to help you in finding and planning the right products.

Standard mode with 12-48 V DC-occupancy detector
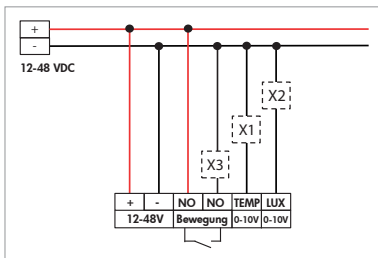
Wiring diagram for

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

Standard mode with KNX-occupancy detector
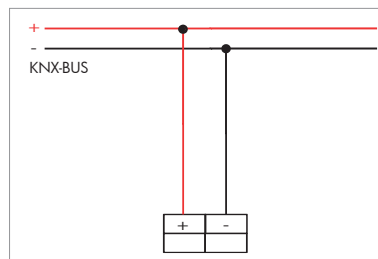
Wiring diagram for

- RC-plus next N 230 KNX-DX
- PD2N-KNX-BA-FC/-FM
- PD2N-KNX-ST-FC/-FM
- PD2N-KNX-DX-FC/-FM
- PD4N-KNX-ST-FC/-FM
- PD4N-KNX-DX-FC/-FM
- PD4N-KNX-C-DX-FC/-FM
- PD4N-KNX-GH-DX-SM
- PD9-KNX-DX-FC
- PD9-KNX-GH-DX-FC
- PD11-KNX-FLAT-DX
- Indoor 180-KNX-BA
- Indoor 180-KNX-ST
- Indoor 180-KNX-DX
- Indoor 140-L-KNX-DX

Standard mode with 16-48 V-occupancy detector
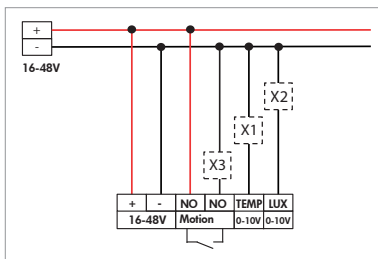
Wiring diagram for

- PD2N-LTMS-FC

Standard mode with DALI/DSI-HVAC-occupancy detector
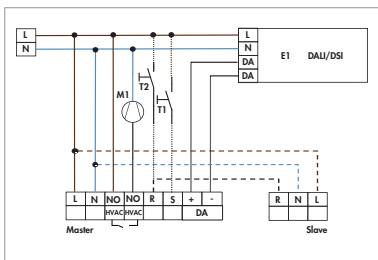
Wiring diagram for

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

Standard mode with DALI/DSI-1C-occupancy detectors
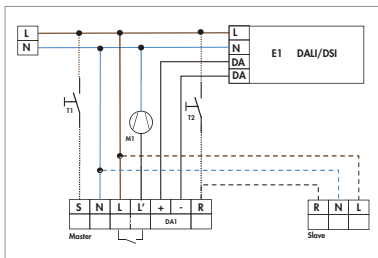
Wiring diagram for

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

Standard mode with 1 channel-12-48 V-motion detector
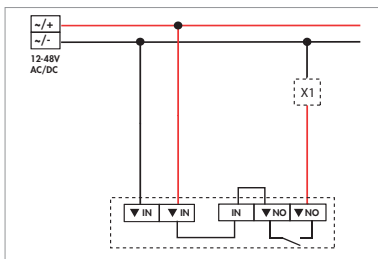
Wiring diagram for

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

Standard mode with Master-DIM-occupancy detector
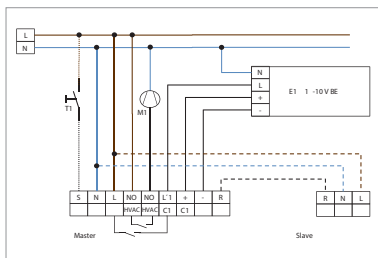
Wiring diagram for

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

Standard mode with 1 channel-photo electric switch
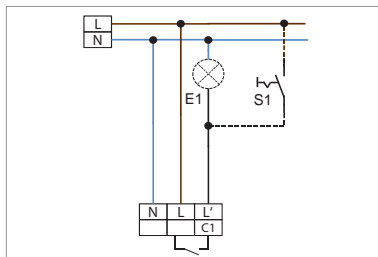
Wiring diagram for

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

Mode with Cut-off-function
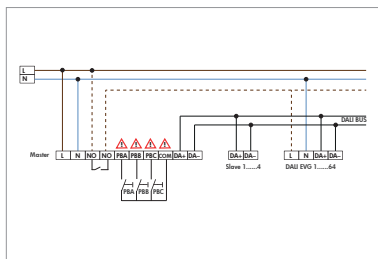
Wiring diagram for

- PD4-M-DAA4G-FC

Standard mode with photo electric switch for DIN rail mounting
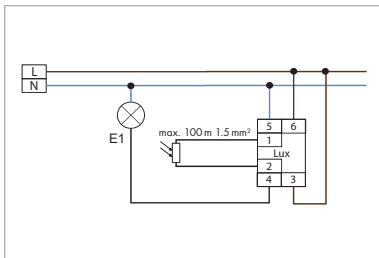
Wiring diagram for

- TS-DD

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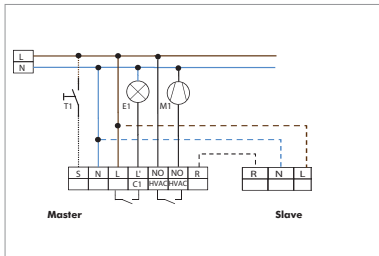
Wiring diagram for

- PD9-M-2C-FC

Standard mode with Master-DIM-HVAC-occupancy detector
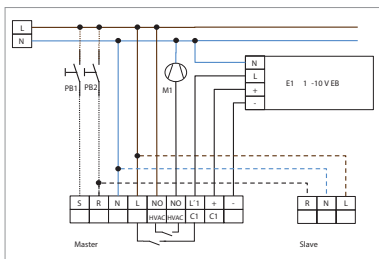
Wiring diagram for

- PD9-M-DIM+HVAC-FC

Standard mode with 1 channel-motion detector
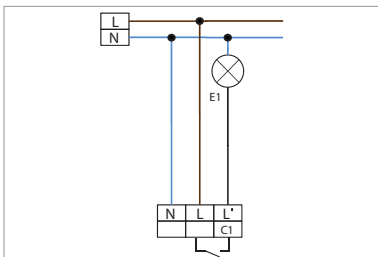
Wiring diagram for

- RC-plus next N 230
- RC-plus next N 130
- RC-plus next N 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 Micro
- 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
- HF-H-MD1 Standard
- PD3N-1C-SM

Standard mode with DALI/DSI photo electric switch
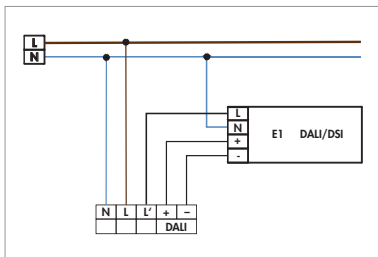
Wiring diagram for

- CdS-DALI/DSI-SM

Standard mode with 1-10 V photo electric switch

| L |
| N |

| L | N | + | - | E1   1-10V EB |

| N | L | L' | + | − |
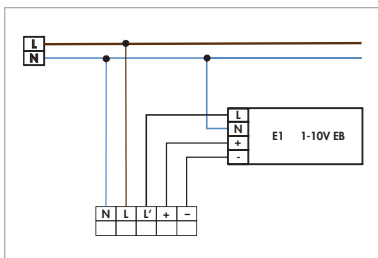
Wiring diagram for

- CdS-DIM-FC

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

| ~/+ |
| ~/ - |

11-48V
AC/DC

T1

X1

| R | 11-48V | 11-48V | NO | NO |
| ~/+ | ~/ - | ~/+ | C1 | |

Master

| R | 11-48V | 11-48V | NO | NO |
| ~/+ | ~/ - | ~/+ | C1 | |

Master as slave
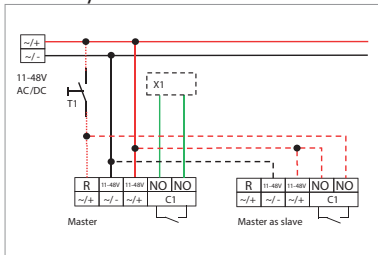
Wiring diagram for

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

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

| ~/+ |
| ~/ - |

11-48V
AC/DC

T1

| R | ↓ | ↓ | ↑ |
| ~/+ | ~/ - | ~/+ | ~/+ |
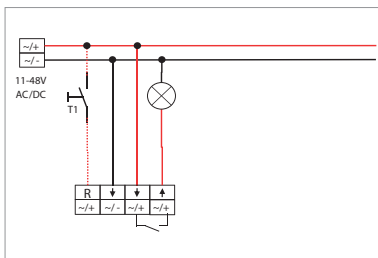
Wiring diagram for

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

Standard mode with 2-wire technology, relay
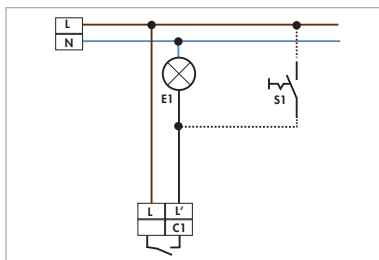
Wiring diagram for

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

Standard mode with 1 channel-motion detector
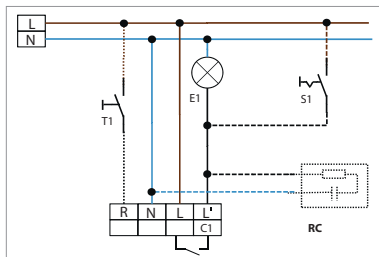
Wiring diagram for

- Indoor 180-R

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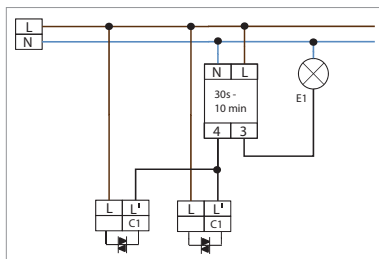
Wiring diagram for

- SCT1
- Indoor 180-TR

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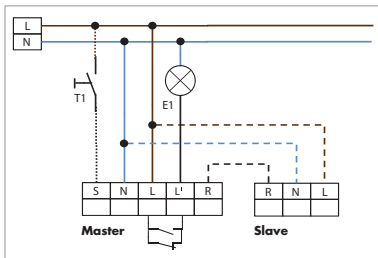
Wiring diagram for

- PD4-M-1C-C-PS-SM/-FC

and optional slave device

Standard mode with Master-2 channel-DUO-occupancy detector
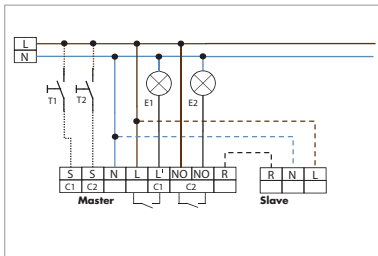
Wiring diagram for

- PD4-M-2C-DUO-SM/-FC/-FM

and optional slave device

Standard mode with Master-2 channel-occupancy detector (DS)
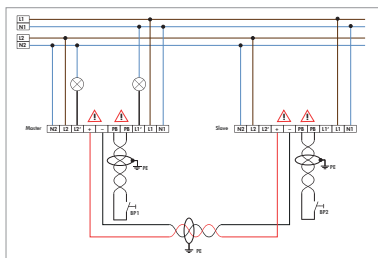
Wiring diagram for

- PD4-M-2C-DS-FC

Standard mode with Master-3 channel-TRIO-occupancy detector
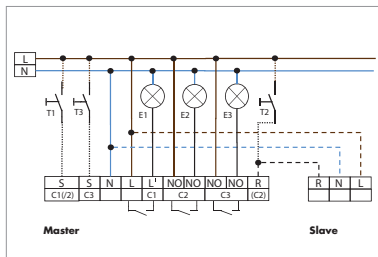
Wiring diagram for

- PD4-M-3C-TRIO-SM/-FC

and optional slave device

Standard mode with Master-DUO-DALI-occupancy detector
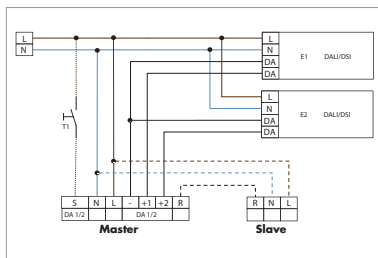
Wiring diagram for

- PD4-M-DUO-DALI/DSI-FC

and optional slave device

Standard mode with Master-DUO-DIM-occupancy detector
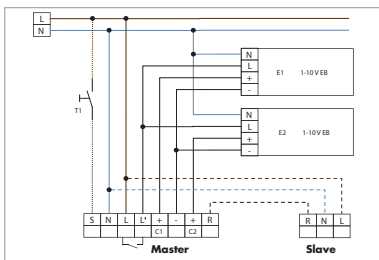
Wiring diagram for

- PD4-M-DUO-DIM-SM/-FC/-FM

and optional slave device

Standard mode with Master DALI/DSI-1C detector with R- and S terminal
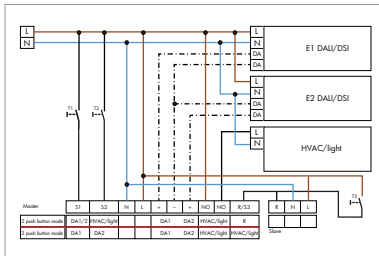
Wiring diagram for

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

and optional slave device

Standard mode with Master TRIO-DALI/DSI occupancy detector
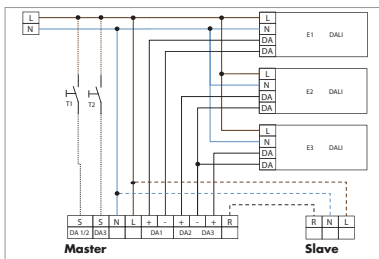
Wiring diagram for

- PD4-M-TRIO-DALI/DSI-SM/-FC

and optional slave device

Standard mode with Master-TRIO-DIM-occupancy detector
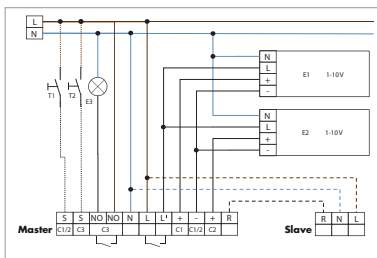
Wiring diagram for

- PD4-M-TRIO-DIM-SM/-FC

and optional slave device

Standard mode with Master-TRIO-3phases-occupancy detector
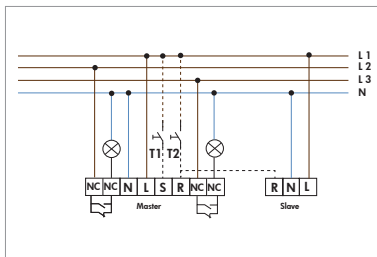
Wiring diagram for

- PD4-M-TRIO-C-3P-FC
- HF-MD3
- HF-MD4

and optional slave device

Standard mode with Master-1 channel-occupancy detector (NO) with R- and S terminal
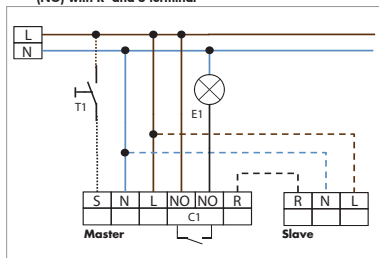
Wiring diagram for

- 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 1 channel detector (NO)
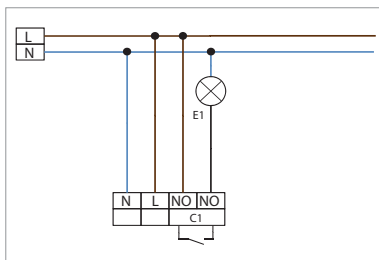
Wiring diagram for

- PD9-DIGI-FC
- PD9-M-1C-SDB-IP65-FC
- PD9-M-1C-SDB-IP65-GH-FC
- PD3N-1C-NO-PF-FC
- HF-MD3
- HF-MD4

Standard mode with Master-1 channel-occupancy detector with R- and S terminal
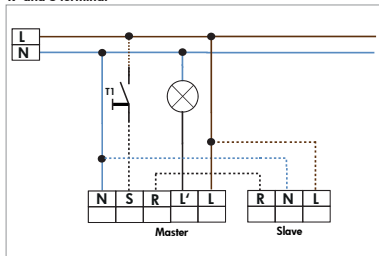
Wiring diagram for

- 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 detector
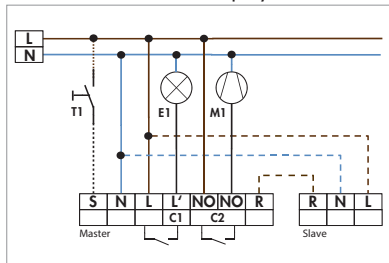
Wiring diagram for

- 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 detector
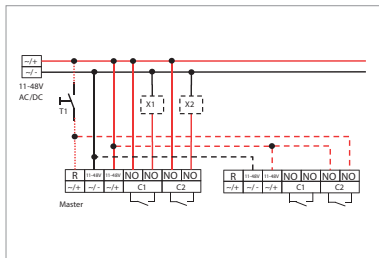
Wiring diagram for

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

Standard mode with Master-DALI-occupancy detector
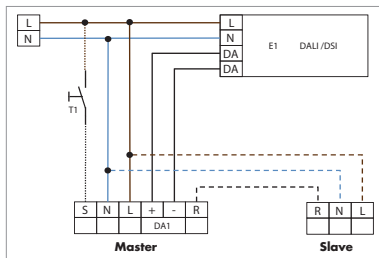
Wiring diagram for

- PD2-M-DALI/DSI-SM
- 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 detector
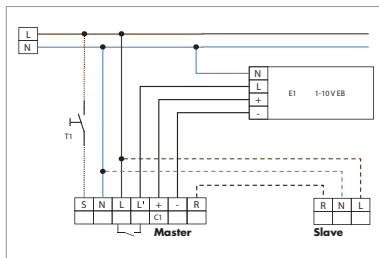
Wiring diagram for

- 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

and optional slave device

Standard mode with a second Indoor 140-L defined as slave device

INDOOR 140-L   INDOOR 140-L
R L' L N   R L' L N
Master   Master im Slavebetrieb
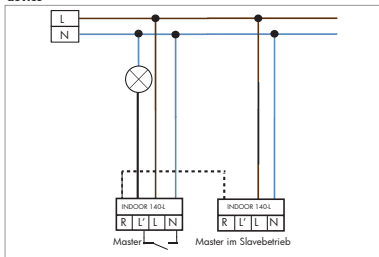
Wiring diagram for

- Indoor 140-L

Standard mode with additional PD2N-M-1C-LED-FC configured as slave device with R terminal

S	N	L	NO	NO	R	S	N	L	NO	NO	R
			C1						C1		

Master   Slave
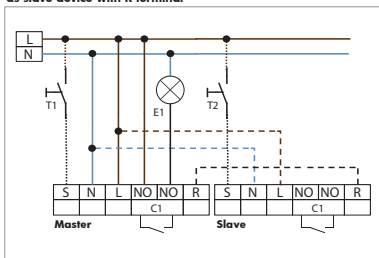
Wiring diagram for

- PD2N-M-1C-LED

and optional slave device

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 exemples for different projects. This helps in finding the most adequate detector for the special demands of the location 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® 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.
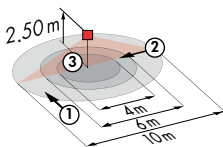
① Walking across
② Walking towards
③ Seated / Smaller mouvements

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 "smaller movements", "walking towards the detector" and "walking across the detection area". 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 10 metres).
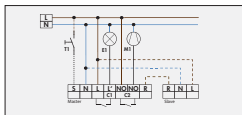
Correct connection

- No more than five units must be connected in parallel. As more detectors are connected in parallel, the detection area becomes larger and harder to manage, and more difficult to troubleshoot. 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).

- More extensive help is given in the wiring diagrams in the previous section

Correct settings

- **Switch-on threshold / Set value brightness**
- 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

Indoor 180

- 🔴 Group 1
- 🔵 Group 2
- 🟠 Group 3
- 🟢 Group 4

PD2

- - - Walking towards detection area
- —— Walking across detection area
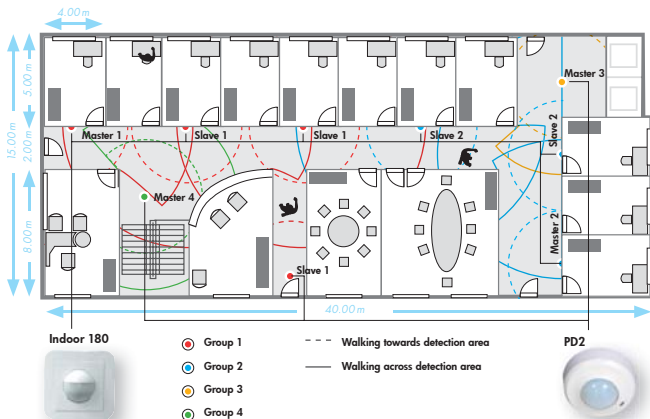
■ Application description:

An automatic lighting control with wall switches as occupancy detector is to be implemented 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 (frontally) approached, it is critical that the range specifications specially indicated in the catalogue for "walking towards" be taken into consideration. Detectors 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 with 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.
Switch-on threshold R1: 300 Lux 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-FM without frame	–	95	92661
Indoor 180-M-2C with frame	pure white, RAL9010	95	92136
Indoor 180-S-FM without frame	–	105	92660
Indoor 180-S with frame	pure white, RAL9010	105	92135
PD2-M-2C-SM	white	53	92150
PD2-M-2C-FC	white	53	92165
PD2-M-2C-FM	white	53	92155
PD2-S-SM	white	96	92152
PD2-S-FC	white	96	92166
PD2-S-FM	white	96	92156

● Group 1	- - - Walking towards detection area
● Group 2	—— Walking across detection area
● Group 3	

PD3N
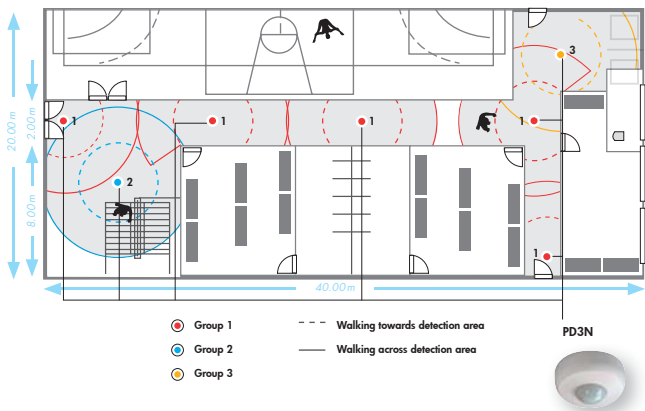
■ **Application description:**
Corridor in sports facilities with three lighting groups: staff-elevator lobby (yellow), corridor area (red), staircase area (blue)

■ **Note:**
Pay special attention to the access areas. To ensure "dead zones" are prevented in the corridor, increase the follow-up time if necessary.
When being directly (frontally) approached, it is critical to take the detector range specifications specially indicated in the catalogue into consideration for "walking towards".

■ **Building information:**
Type: corridor without daylight
Dimensions: L 40.00 x W 15.00m
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.
Switch-on threshold: 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	20	92190
PD3N-1C-FC	white	20	92196
PD3N-1C-FM	white	20	92186

4.00 m

5.00 m
15.00 m
2.00 m
8.00 m

Master 3

Master 1 • Slave 1 • Slave 1

Master 2 • Slave 1

Slave 1

40.00 m

PD4-Corridor
- Group 1
- Group 2
- Group 3

- - - Walking towards detection area
——— Walking across detection area

PD4
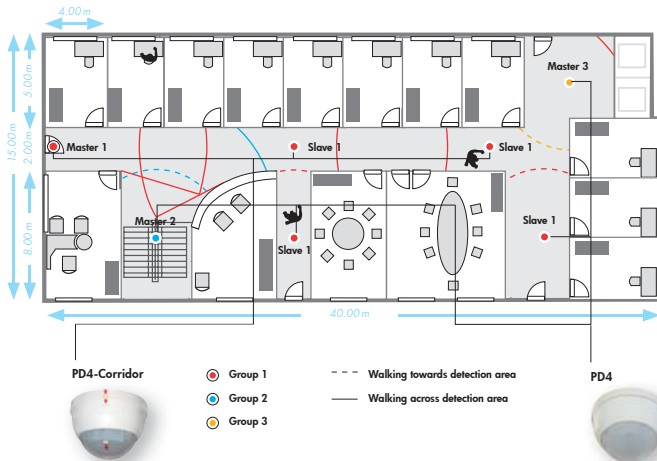
■ **Application description:**
Corridor in an office level with three lighting groups: lobby to the passenger lifts (yellow), corridor area (red), staircase area (blue)

■ **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 (frontally) approached, it is critical to take the detector range specifications specially indicated in the catalogue into consideration for "walking towards", 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 with 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 slave device)
4 each **LUXOMAT®** PD4-Master-SM/FM/FC

■ **PD4 device settings:**
Follow-up time: approx. 5 min.
Switch-on threshold: 300 Lux

■ **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	98	92442
PD4-S-C-FC	white	98	92444
PD4-S-C-FM	white	98	92445
PD4-M-2C-SM	white	55	92140
PD4-M-2C-FC	white	55	92148
PD4-M-2C-FM	white	55	92255

- Group 1
- Group 2 - 11

• • • Seated detection area

—— Walking across detection area

PD2
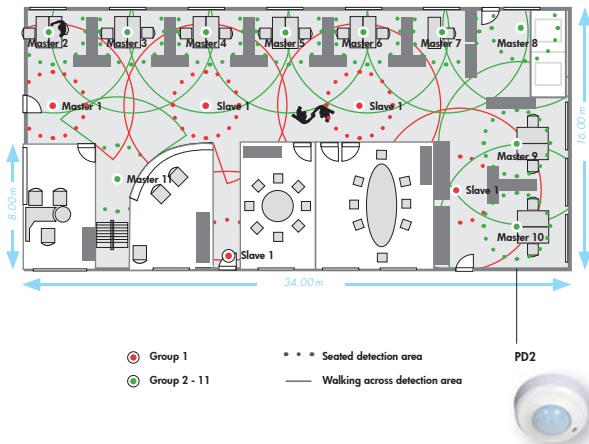
■ **Application description:**
Automatic lighting control with occupancy detectors is to be implemented in an open-plan office. The double and single workstations, the reception area, and the lobby to the passenger lifts are each switched individually. The transit area is to be entirely surveillanced.

■ **Building information:**
Type: open-plan office with daylight
Dimensions: L 34.00 x W 16.00m
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.
Switch-on threshold R1: 500 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	53	92150
PD2-M-2C-FC	white	53	92165
PD2-M-2C-FM	white	53	92155
PD2-S-SM	white	96	92152
PD2-S-FC	white	96	92166
PD2-S-FM	white	96	92156

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

PD3N
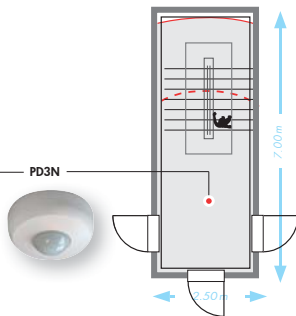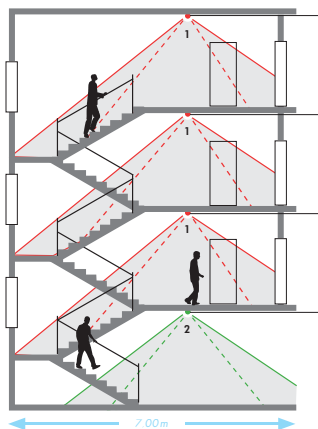
■ **Application description:**
The lighting in the staircase of a multi-family dwelling is to be automatically controlled with four motion detectors. The motion detector is to be mounted on the ceiling.

■ **Building information:**
Type: staircase with three residential floors with daylight and a basement level without daylight
Dimensions: L 7.00 x W 2.50m
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.
Group 1: Switch-on threshold 300 Lux (with L' monitoring)
Group 2: Switch-on threshold day (sun symbol)

■ **Connected circuit:**
Parallel operation

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

Description	Colour	Page	Part number
PD3N-1C-SM	white	20	92190
PD3N-1C-FC	white	20	92196
PD3N-1C-FM	white	20	92186

PD2

10.80 m

Slave 1

Slave 1

Master 1

Master 2

2.50 m

7.00 m
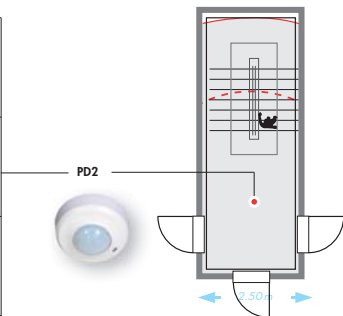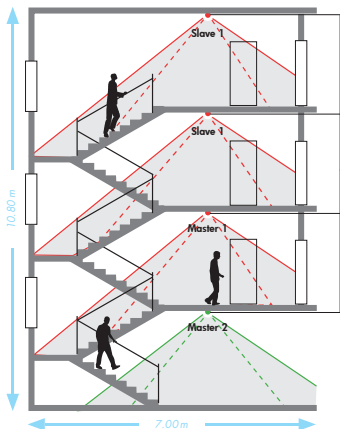
⦿ Group 1

⦿ 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 with daylight and a basement level without daylight
Dimensions: L 7.00 x W 2.50m
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:**
Group 1:
Follow-up time R1: 5 min.
Switch-on threshold R1: 300 Lux
Follow-up time R2: optional
Group 2:
Follow-up time R1: 5 min.
Switch-on threshold R1: day (sun symbol)
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:
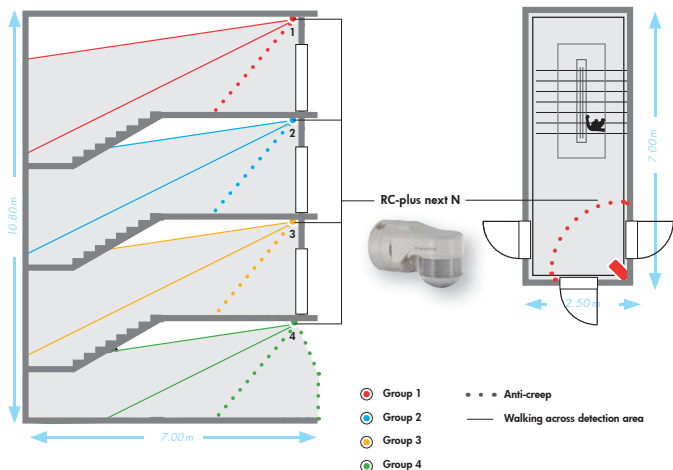Staircase with **LUXOMAT®** PD3N motion detectors
Typical example no. 7:
Staircase with **LUXOMAT®** Indoor 180-R motion detectors using 3-conductor technology
Typical example no. 8:
Staircase with **LUXOMAT®** Indoor 180-SC motion detectors using 2-conductor impulse technology
Typical example no. 9:
Staircase with **LUXOMAT®** RC-plus next N motion detectors

Description	Colour	Page	Part number
PD2-M-2C-SM	white	53	92150
PD2-M-2C-FC	white	53	92165
PD2-M-2C-FM	white	53	92155
PD2-S-SM	white	96	92152
PD2-S-FC	white	96	92166
PD2-S-FM	white	96	92156

Indoor 180-R

- ● Group 1
- ● Group 2
- ● Group 3
- ● Group 4

- - - Walking towards detection area
—— Walking across detection area

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

■ **Building information:**
Type: staircase with three residential floors with daylight 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:**
Group 1-3:
Follow-up time: 5 min.
Switch-on threshold: 300 Lux
Group 2:
Follow-up time: 5 min.
Switch-on threshold: Day (sun symbol)

■ **Connected circuit:**
Standard operation (floor by floor, optional push-button operation with NC push-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 technology
Typical example no. 9:
Staircase with **LUXOMAT**® RC-plus next N motion detectors

Description	Colour	Page	Part number
Indoor 180-R without frame	–	89	92665
Indoor 180-R with frame	pure white, RAL9010	89	92623

Indoor 180-SC

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

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

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

■ **Illumination:**
2 lighting groups each with staircase switch

■ **Products shown:**
4 each **LUXOMAT®** Indoor 180-SC

■ **Device settings:**
Group 1: Switch-on threshold 300 Lux
Group 2: Switch-on threshold Day (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 technology
Typical example no. 9:
Staircase with **LUXOMAT®** RC-plus next N motion detectors

Description	Colour	Page	Part number
Indoor 180-SC without frame	–	92	92668
Indoor 180-SC with frame	pure white, RAL9010	92	92650
SCT1	–	92	92655

RC-plus next N

- ● **Group 1**
- ● **Group 2**
- ● **Group 3**
- ● **Group 4**

- ● ● ● **Anti-creep**
- —— **Walking across detection area**

■ **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 with daylight and a basement level
without daylight
Dimensions: L 7.20 x W 2.50m
Floor height: 2.70 m (in light)

■ **Illumination:**
Four separate lighting groups

■ **Products shown:**
4 each LUXOMAT® RC-plus next N 130

■ **Device settings of the RC-plus next N:**
Group 1-3:
Follow-up time: 4 min.
Switch-on threshold: 300 Lux
Group 2:
Follow-up time: 4 min.
Switch-on threshold: Day (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 technology
Typical example no. 8:
Staircase with LUXOMAT® Indoor 180-SC motion detectors using 2-conductor impulse technology

Description	Colour	Page	Part number
RC-plus next N 130	white	8	93321
RC-plus next N 130	brown	8	93324
RC-plus next N 130	black	8	93323

ca 5.80 m

Slave 1

Master 1

PD2

7.80 m
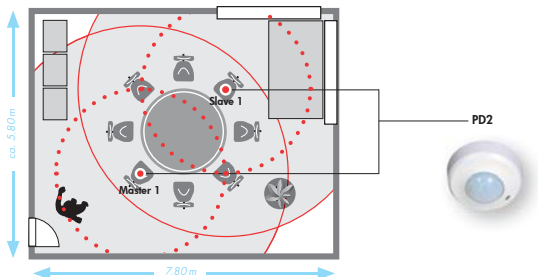
● **Group 1**   • • • **Seated detection area**

——— **Walking across detection area**

■ **Application description:**
In a conference room, the lighting is to be controlled depending 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 5.80m
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.
Switch-on threshold 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

Description	Colour	Page	Part number
PD2-M-2C-SM	white	53	92150
PD2-M-2C-FC	white	53	92165
PD2-M-2C-FM	white	53	92155
PD2-S-SM	white	96	92152
PD2-S-FC	white	96	92166
PD2-S-FM	white	96	92156

ca. 5.80 m

Slave 1

Master 1

PD2

Indoor 180

7.80 m

⊙ **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 depending 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 occupancy detectors are 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: 2.70 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.
Switch-on threshold R1: 500 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

Description	Colour	Page	Part number
Indoor 180-M-2C without frame	–	95	92661
Indoor 180-M-2C with frame	pure white, RAL9010	95	92136
PD2-S-SM	white	96	92152
PD2-S-FC	white	96	92166
PD2-S-FM	white	96	92156

ca. 4,00 m

Master 1

PD3N-1C

5,00 m

⊙ Group 1   • • • Seated detection area
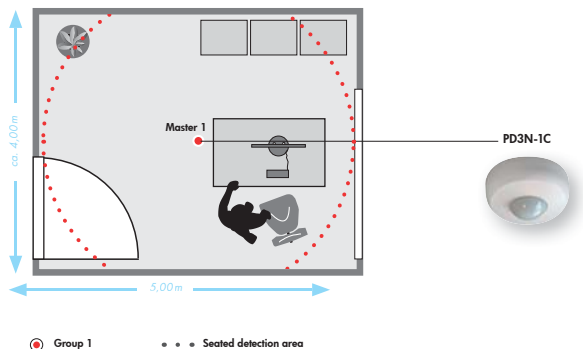
■ **Application description:**
In an individual office, the lighting is to be controlled depending on presence and daylight. Even with the automatic control, it should be possible to manually influence the current switching status via push button or remote control. The motion detectors are to be mounted 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:**
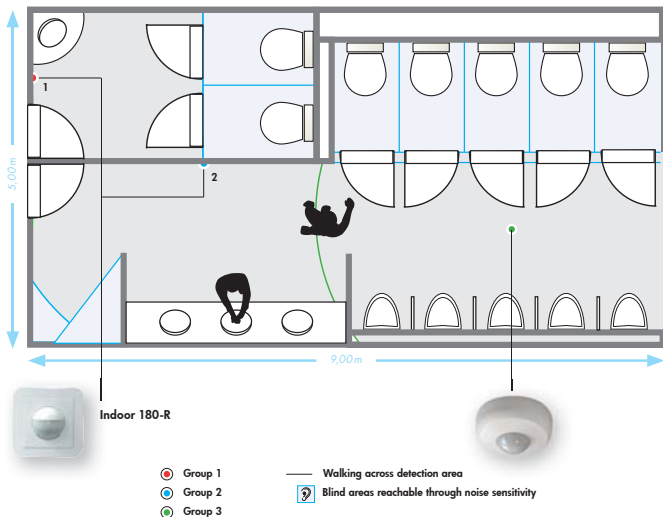1 each **LUXOMAT®** PD3N-1C-SM/-FC/-FM

■ **Device settings:**
Follow-up time R1: 10 min.
Switch-on threshold: 500 Lux or individual using remote control

■ **Connected circuit:**
Master operation with optional push button operated control

Description	Colour	Page	Part number
PD3N-1C-SM	white	20	92190
PD3N-1C-FC	white	20	92196
PD3N-1C-FM	white	20	92186
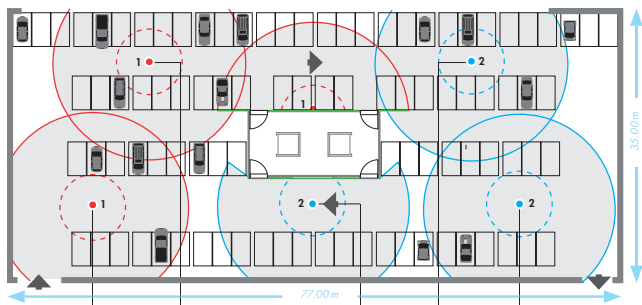
- ● **Group 1**
- ● **Group 2**
- – – – **Walking towards detection area**
- —— **Walking across detection area**

PD4N-1C

■ **Application description:**
In the underground car park, the best possible surveillance of the entrance area to the garage and the main transit area should be achieved with as few motion detectors as possible.
Blind spots in certain partial areas of the garage are to be bridged with adapted 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 35.00m
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.,
Switch-on threshold: Day mode (light evaluation inactive) ("sun" symbol)
Variation B) Follow-up time: impulse,
Switch-on threshold: 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 towards the detector, the range is significantly reduced.

■ **Alternatives:**
Typical example no. 14:
Underground car park with **LUXOMAT®** RC-plus next N motion detector

Description	Colour	Page	Part number
PD4N-1C-SM	white	24	92144
PD4N-1C-FC	white	24	92149
PD4N-1C-FM	white	24	92151

35.00 m

77.00 m

RC-plus next N 230°

RC-plus next N 130°

RC-plus next N 130°

⊙ Group 1   • • • **Anti-creep**

⊙ Group 2   —— **Walking across detection area**

■ **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 35.00m
Room height: 3.00m

■ **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 N 230
2 each **LUXOMAT®** RC-plus next N 130

■ **Device settings:**
Variation A) Follow-up time: 8 min.,
Switch-on threshold: Day mode (light evaluation inactive) ("sun" symbol)
Variation B) Follow-up time: impulse,
Switch-on threshold: 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 N 130	white	8	93321
RC-plus next N 130	brown	8	93324
RC-plus next N 130	black	8	93323
RC-plus next N 230	white	9	93331
RC-plus next N 230	brown	9	93334
RC-plus next N 230	black	9	93333
RC-plus next N 230	silver	9	93346

5.00 m

8.00 m

1

PD3N
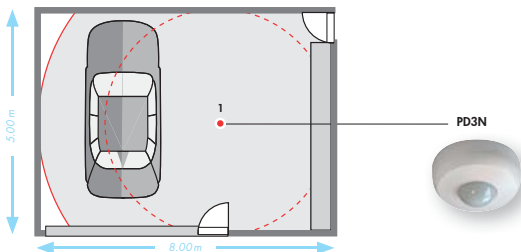
Group 1   – – –   **Walking towards detection area**

——   **Walking across detection area**

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

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

■ **Illumination:**
One lighting group with electronic ballast

■ **Products shown:**
1 each **LUXOMAT®** PD3N-1C-SM/FC/FM

■ **Device settings:**
Follow-up time: 4 min.
Switch-on threshold: Day mode (light evaluation inactive) ("sun" symbol)

■ **Connected circuit:**
Standard operation

Description	Colour	Page	Part number
PD3N-1C-SM	white	20	92190
PD3N-1C-FC	white	20	92196
PD3N-1C-FM	white	20	92186

Indoor 180-R

- ● Group 1   ——— **Walking across detection area**
- ● Group 2
- ● Group 3   [image] **Blind areas reachable through noise sensitivity**

■ **Application description:**
Wash rooms with enclosed WC booths, wall installation of the motion/sound detector. Combined motion/sound detectors are used offering the possibility to also monitor blind spots, such as toilet booths, depending 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: 2.70 m

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

■ **Products shown:**
2 each **LUXOMAT®** Indoor 180-R and 1 PD3N-Micro

■ **Device settings:**
Follow-up time: 10 min.
Switch-on threshold: 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. 17: with **LUXOMAT®** PD3N

Description	Colour	Page	Part number
Indoor 180-R without frame	–	89	92665
Indoor 180-R with frame	pure white, RAL9010	89	92623
PD3N-Micro-SM	white	22	92219
PD3N-Micro-FC	white	22	92184

PD3N

⊙ **Group 1**

• • • **Seated detection area**

—— **Walking across detection area**
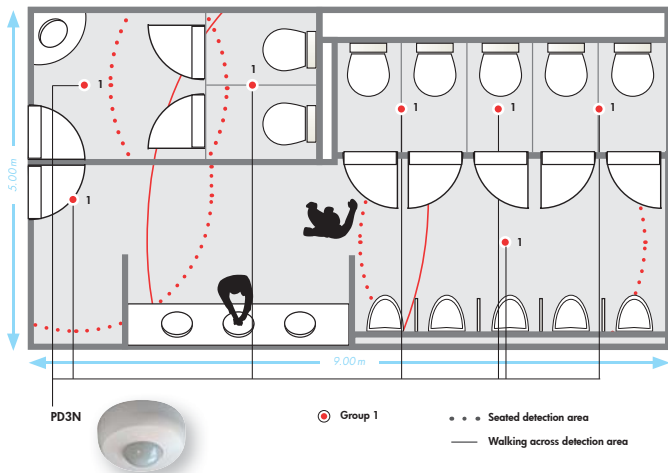
- ■ **Application description:**
  Wash rooms with closed WC booths.
  Ceiling installation of the motion detectors.

- ■ **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

- ■ **Device settings:**
  Follow-up time: 10 min.
  Switch-on threshold: Day mode (light evaluation inactive)
  ("sun" symbol)

- ■ **Connected circuit:**
  Parallel operation per room

- ■ **Alternatives:**
  with **LUXOMAT®** Indoor 180-R and
  PD3N Micro

Description	Colour	Page	Part number
PD3N-1C-SM	white	20	92190
PD3N-1C-FC	white	20	92196
PD3N-1C-FM	white	20	92186

● Group 1	—— Walking across detection area	PD4
● Group 2		
● Group 3		
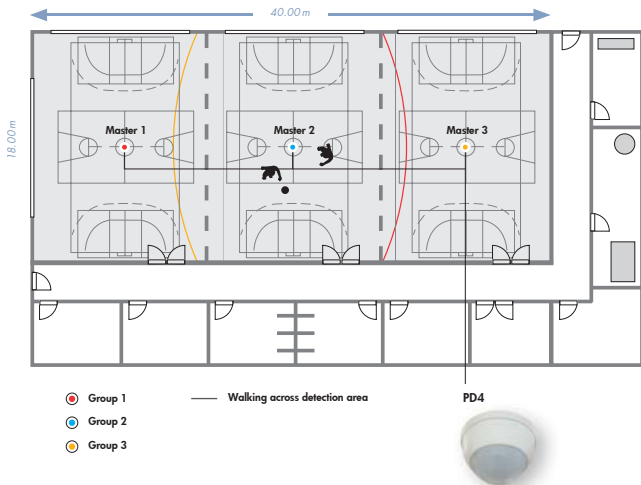
■ Application description:
Automatic lighting control with occupancy detectors is to be implemented in a triple gymnasium. One lighting group per hall area is to be formed and switched individually.
Even with the automatic control, it should be possible to manually influence the current switching status via both push button and remote control.

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

■ Illumination:
One lighting group with electronic ballast per hall section

■ Products shown:
3 each **LUXOMAT®** PD4-Master device

■ Device settings:
Follow-up time R1: > 5 min.
Switch-on threshold: 500 lux 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	55	92140
PD4-M-2C-FC	white	55	92148
PD4-M-2C-FM	white	55	92255

⊙ Group 1-3

◑ Group 4-8 (with blinds)

⊙ Group 9-10

– – – Walking towards detection area

——— Walking across detection area

PD4N-1C

PD4-S-GH

PD4-M-1C-GH
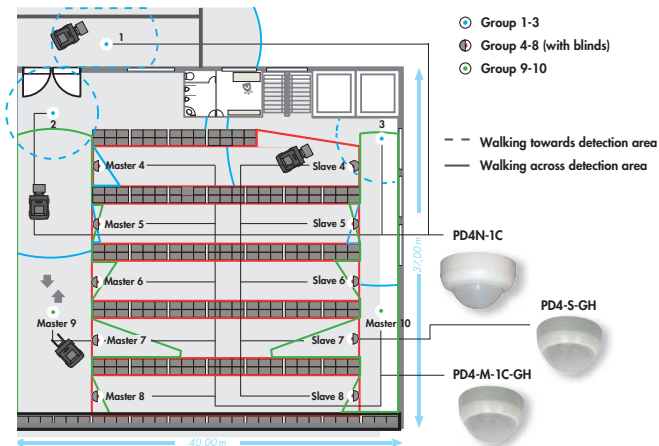
■ **Application description:**
In a warehouse, the various sectors are to be monitored using motion and/or occupancy detectors and the lighting should be automatically switched. The warehouse is divided into the following sectors: 5 corridors (red), start-of-corridor zone, end-of-corridor zone (green), 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 37.00m
Room height: 10.00 m

■ **Illumination:**
Ten lighting groups with electronic ballast

■ **Products shown:**
3 each **LUXOMAT®** PD4N-1C-SM/FC/FM
7 each **LUXOMAT®** PD4-M-1C-GH-SM

■ **Device settings:**
Follow-up time R1: > 5 min.
Switch-on threshold: 500 Lux or individual using remote control
Follow-up time R2: optional

■ **Connected circuit:**
Master operation for lighting groups 1 to 3, 9, 10
Master/slave operation for lighting groups 4 to 8

Description	Colour	Page	Part number
PD4N-1C-SM	white	24	92144
PD4N-1C-FC	white	24	92149
PD4N-1C-FM	white	24	92151
PD4-M-1C-GH-SM	white	44	92245
PD4-S-GH-SM	white	99	92265
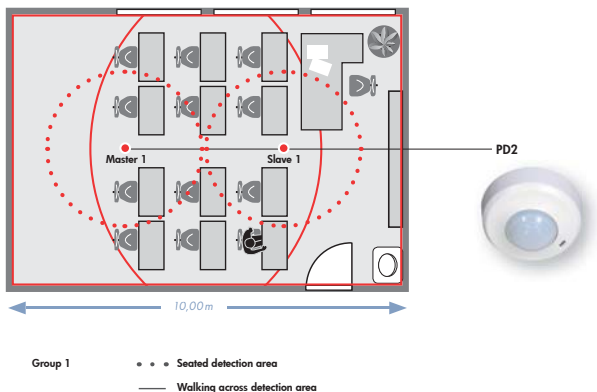
Master 1   Slave 1

PD2

10,00 m

Group 1   • • • **Seated detection area**

——— **Walking across detection area**

■ **Application description:**
In a classroom, the lighting is to be controlled depending 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 6.00m
Floor 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

■ **PD2-Master device settings:**
Follow-up time R1: > 5 min.
Switch-on threshold R1: 500 Lux or individual using remote control
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.

■ **Hinweis:**
The ideal monitoring is also possible with a single PD4-DUO occupancy detector.

Description	Colour	Page	Part number
PD2-M-1C-SM	white	40	92550
PD2-M-1C-FC	white	40	92565
PD2-M-1C-FM	white	40	92555
PD2-S-SM	white	96	92152
PD2-S-FC	white	96	92166
PD2-S-FM	white	96	92156

APPLICATION EXAMPLE 21:
CLASS ROOM WITH PD4-M-DUO-DIM
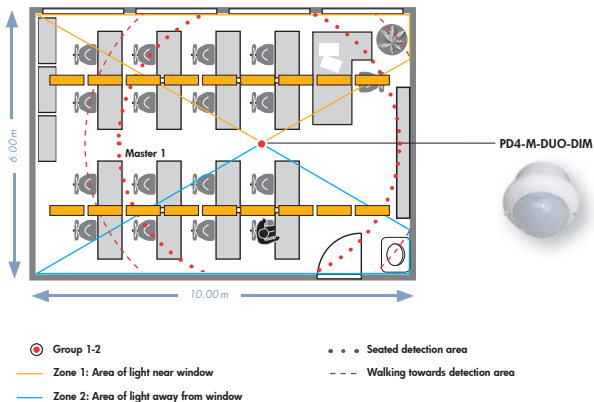
B.E.G.

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 depending 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 6.00m
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.
Switch-on threshold R1: 500 Lux 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	58	92158
PD4-M-2C-DUO-FC	white	58	92251
PD4-M-2C-DUO-FM	white	58	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

Example with HVAC control

window-side lighting group

e.g. 40%

e.g. 60%

Master

e.g. 80%
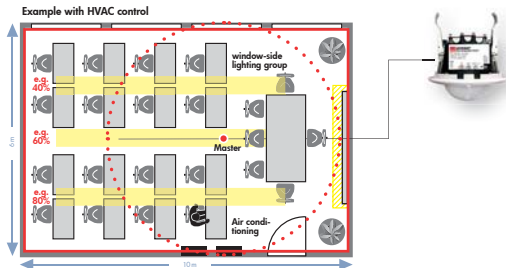
Air conditioning

····· Walking towards the detector

——— Walking across the detector's detection area

▮ Main lighting Zone A via DALI groups 1-3

▨ Blackboard lighting Zone B via DALI group 4

▮ Relay channel (air conditioning)

■ **Application description:**
In a classroom, the lighting shall be controlled depending on brightness and daylight in three DALI groups (a window-side lighting group, a middle lighting group, and a wall-side lighting group).
Additionally, a fourth DALI group shall be switched as lectern and blackboard lighting. Furthermore, the air ventilation shall be switched via a relais channel. Despite of the automatic lighting control it shall be possible to change the actual switching condition via push-button or remote control app. The occupancy detector shall be ceiling-mounted.

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

■ **Illumination and HVAC:**
4 DALI groups with EB
1 relay channel for HVAC

■ **Products shown:**
1 **LUXOMAT®**net PD4-M-DAA4G

■ **Device settings:**
Follow-up time DALI group 1-4: > 5 min.
Switch-on threshold DA1 - DA4: 500 Lux
Zone A in full automatic mode
Zone B in semi-automatic mode
Follow-up time HVAC: 15 min

■ **Connected circuit:**
Standard operation

Description	Colour	Page	Part number
PD4-M-DAA4G-SM	white	86	92743
PD4-M-DAA4G-FC	white	86	92591

PD4-M-3C-TRIO

Master 1

6.00 m

10.00 m
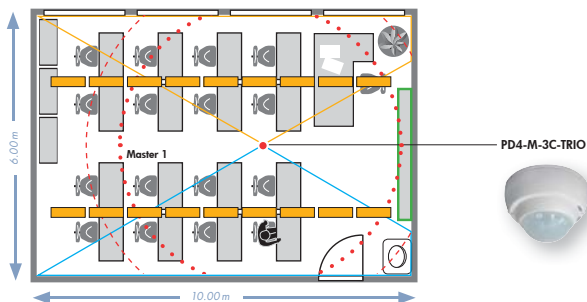
- ⊙ **Group 1-3**
- ── **Zone 1: Area of light near window**
- ── **Zone 2: Area of light away from window**
- ── **Zone 3: Control of board lighting**

- • • • **Seated detection area**
- – – – **Walking towards detection area**

■ **Application description:**
In a classroom, the lighting is to be separately controlled depending 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 come along.
Despite the automatic control, it should be made possible to manually influence the switching condition via buttons or remote control.
The occupancy detector is to be mounted on the ceiling.

■ **Building information:**
Type: classroom with daylight
Dimensions: L 10.00 x W 6.00m
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.
Switch-on threshold R1: 500 Lux 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	61	92745
PD4-M-3C-TRIO-SM	white	61	92740
PD4-M-TRIO-DIM-FC	white	73	92735
PD4-M-TRIO-DIM-SM	white	73	92730

197

Chime

RC-plus next N 230

4.00 m

6.70 m

⊙ Group 1   —— Walking across detection area
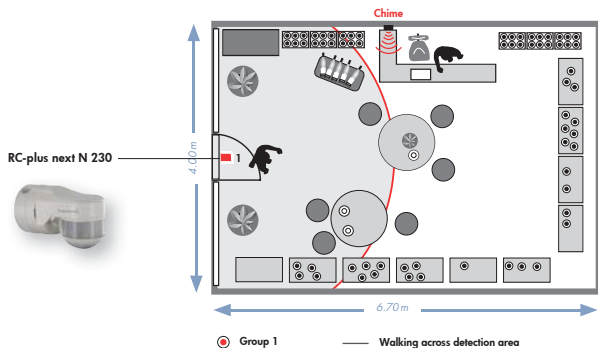
■ **Application description:**
In a shop the customer presence has to be indicated by a chime. The motion detector must be fixed above the entrance door.

■ **Building information:**
Type: shop with daylight
Room height: 2.70m

■ **Products shown:**
1 **LUXOMAT®** RC-plus next N 230

■ **Illumination:**
In this case the chime only will be activated, no light.

■ **Device settings:**
Impulse mode
Switch-on threshold: Day mode (light evaluation inactive)
("sun" symbol)

■ **Connected circuit:**
Pulse mode with chime connected

Description	Colour	Page	Part number
RC-plus next N 230	white	9	93331
RC-plus next N 230	brown	9	93334
RC-plus next N 230	black	9	93333
RC-plus next N 230	silver	9	93346

RC-plus next N 130

◉ **Group 1**

• • • **Anti-creep**

– – – **Walking towards detection area**

——— **Walking across detection area**
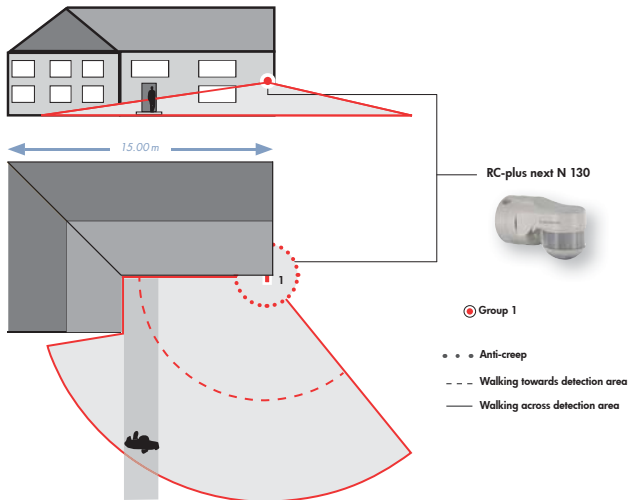
■ **Application description:**
House entrance, wall mounting
The persons approach always on the small access way and must be detected as early as possible.

■ **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 N 130

■ **Device settings:**
Follow-up time: 4 min.
Switch-on threshold: dusk in progress (symbol "dark moon")

■ **Connected circuit:**
Standard operation

■ **Hinweis:**
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 N 130	white	8	93321
RC-plus next N 130	brown	8	93324
RC-plus next N 130	black	8	93323

Indoor 140-L
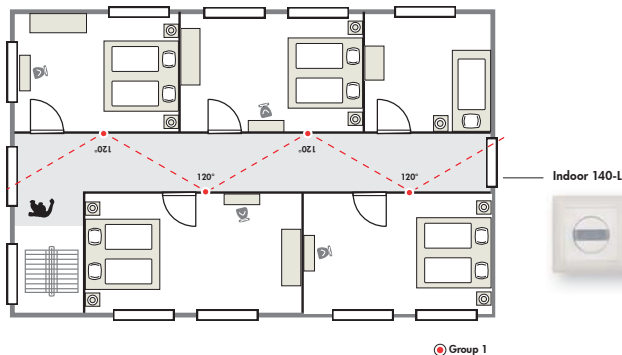
● **Group 1**

– – – **Walking towards detection area/across**

■ **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 differently in case the light level passes below brightness threshold.

■ **Building information:**
Type: Living / Hotel floor with different light conditions
Dimensions: L 20.00 x W 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:	semi-automatic 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 later if the installation was realized fully wired.

Description	Colour	Page	Part number
Indoor 140-L without frame	–	88	94325

Part number	Description	Prod./Gr.	Page
10880	RC-Arc extinction kit	06	16
10882	Mini-RC-Arc extinction kit	06	16
32697	Blinds for RC-plus next N	06	16
32698	Blinds for LC-plus 280	06	16
32699	Blinds for LC-Click-N	06	16
32702	Blinds for PD9	06	33
33207	Blinds for PD9-GH	06	33
33232	Blinds for LC-Mini	06	16
33233	Blinds for Indoor 180	06	107
35126	Central plate for Indoor180 56x56mm, pure white, glossy	06	110
35127	Central plate for Indoor180 56x56mm, pure white, glossy	06	110
36635	Blinds for PD2-FC	06	106
37367	Blinds for PD3N-SM	06	106
38522	Blinds for PD11-FC	06	106
38946	Central plate for 45x45mm pure white, glossy, RAL 9010	06	110
38947	Central plate for 45x45mm, traffic white, matt, RAL 9016	06	110
39075	Central plate for 45x45mm, oyster white, matt, RAL 1013	06	110
39076	Central plate for 45x45mm, oyster white, matt, RAL 1013	06	110
39241	Central plate for Indoor180 55x55mm, signal white, glossy	06	110
39242	Central plate for 45x45mm, pure white, glossy, RAL 9010	06	110
39222	Central plate for 55x55mm, pure white, glossy, RAL 9010	06	110
39242	Central plate for Indoor 180 55x55mm, oval, pure white, glossy	06	110
93041	LC-Click-N 140, white	01	12
93042	LC-Click-N 200, white	01	13
91008	LC-plus 280, white	01	11
93051	LC-Click-N 140, brown	01	12
93052	LC-Click-N 200, brown	01	13
91018	LC-plus 280, brown	01	11
93061	LC-Click-N 140, black	01	12
93062	LC-Click-N 200, black	01	13
91028	LC-plus 280, black	01	11
91048	LC-plus 280, silver	01	11
91051	LC-Mini 120, white	01	14
91052	LC-Mini 180, white	01	15
91071	LC-Mini 120, black	01	14
91072	LC-Mini 180, black	01	15
92000	IR-RC	09	145

Part number	Description	Prod./Gr.	Page
92018	Protection against unwanted removing Indoor 180	06	107
92040	IR-PD4-SP	09	145
92077	IR-PD-1C-E	09	145
92090	IR-RC-Mini	09	145
92092	IR-PD-DUO	09	145
92093	IR-LC-Mini	09	145
92094	IR-PD-DALI	09	146
92095	IR-LC-plus	09	145
92097	IR-PD4-TRIO	09	146
92098	IR-PD-DIM-Mini	09	146
92104	IR-PD4-TRIO-DALI	09	146
92105	IR-PD3N	09	145
92112	IR-PD-DALI-Mini	09	146
92113	PD2N-LTMS-FC	13	130
92114	IR-PD-DIM-HKL	09	146
92115	IR-PD3N-2C	09	145
92116	IR-PD-DALI-1C	09	146
92119	PD2N-LTMS-RR-FC	13	131
92122	IR-PD-DALI-E	09	146
92123	IR-PD-KNX	09	146
92135	Indoor 180-S, covering included	13	105
92136	Indoor 180-M-2C, covering included	13	95
92139	Frame IP54 for Indoor 180, pure white, matt	06	109
92140	PD4-M-2C-SM	13	55
92141	Indoor 180 socket for wall mounting, IP44	06	89
92142	PD4-S-SM	13	97
92143	PD4-M-2C-C-FC	13	56
92144	PD4N-1C-SM	13	24
92147	PD4-M-DIM-SM	13	65
92148	PD4-M-2C-FC	13	55
92149	PD4N-1C-FC	13	24
92150	PD2-M-2C-SM	13	53
92151	PD4N-1C-FM	13	24
92152	PD2-S-SM	13	96
92153	PD2-M-DIM-SM	13	64
92154	PD2-M-2C-11-48V-3A-SM	13	54
92155	PD2-M-2C-FM	13	53
92156	PD2-S-FM	13	96
92157	PD2-M-DIM-FM	13	64
92158	PD4-M-2C-DUO-SM	13	58

Part number	Description	Prod./Gr.	Page
92565	PD2M-1C-FC	13	40
92575	PD4-M-1C-FM	13	41
92576	PD3N-1C-NO-PF-FC	13	21
92577	IR-CdS	09	146
92580	PD4-M-1C-SM	13	41
92583	PD11-M-1C-FLAT-FC	13	51
92585	PD4-M-1C-FC	13	41
92586	PD4-M-1C-C-FC	13	42
92587	PD4-M-1C-C-SM	13	42
92589	CdS-DIM-FC	10	152
92591	PD4-M-DAA4G-FC	24	86
92593	PD11-S-FLAT-FC	13	104
92616	Indoor 180-R-2W, covering included	13	91
92621	Indoor 180-R-11-48V-3A, covering included	13	94
92622	Indoor 180-T, covering included	13	90
92623	Indoor 180-R, covering included	13	89
92630	Indoor 180 covering IP20, pure white, matt, RAL9010	06	109
92631	Indoor 180 covering IP20, traffic white, matt, RAL9016	06	109
92632	Indoor 180 covering IP20, oyster white, matt, RAL1013	06	109
92633	Indoor 180 covering IP20, silver, matt, RAL9006	06	109
92634	Indoor 180 covering IP20, anthracite, matt, RAL 7021	06	109
92649	IR-RC-LD	09	145
92650	Indoor 180-TR, covering included	13	92
92652	IR-PD-DALI-LD	09	146
92655	SCT1	36	93
92660	Indoor 180-S FM, covering not included	13	105
92661	Indoor 180-M-2C, covering not included	13	95
92664	Indoor 180-T, covering not included	13	90
92665	Indoor 180-R, covering not included	13	89
92666	Indoor 180-R-11-48V-3A, covering not included	13	94
92667	Indoor 180-R-11-48V-RR, covering not included	13	94
92668	Indoor 180-TR, covering not included	13	92
92681	TS-DD	10	156
92698	PD2M-DALI/DSI-HVAC-FC	24	80
92699	PD4-M-DALI/DSI-HVAC-FC	24	82
92709	PD4N-LTMS-RR-FC	13	132
92721	PD4-S-DAA4G-FC	24	87

Part number	Description	Prod./Gr.	Page
92726	IR-Adapter for Smartphones	09	146
92730	PD4-M-TRIO-DIM-SM	13	73
92734	PD2N-LON-SM	13	133
92735	PD4-M-TRIO-DIM-FC	13	73
92736	PD2N-LON-FC	13	133
92740	PD4-M-3C-TRIO-SM	13	61
92743	PD4-M-DAA4G-SM	24	86
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	84
92751	PD4-M-TRIO-2DALI/DSI-1C-SM	24	85
92755	PD4-M-TRIO-DALI/DSI-FC	24	84
92756	PD4-M-TRIO-2DALI/DSI-1C-FC	24	85
92759	PD4-S-DAA4G-SM	24	87
92760	PD4-M-2C-DS-FC	13	59
92831	PD4N-LON-FC	13	134
92834	PD4N-LON-SM	13	134
92835	IR-PD-LON	09	146
92851	IR-PD4-TRIO-3C	09	145
92900	PD9-M-1C-FC, white	13	46
92902	PD9-1C-FC, white	13	27
92905	PD9-S-FC, white	13	101
92910	PD9-M-DIM-FC, white	13	68
92912	PD9-M-1C-SDB-IP65-FC, white	13	48
92913	PD9-M-1C-SDB-IP65-FC, silver	13	48
92915	PD9-S-SDB-FC	13	48
92917	PD9-DIGI-FC	13	26
92920	PD9-M-DALI/DSI-FC	24	77
92923	PD9-M-1C-GH-FC, white	13	47
92924	PD9-M-DIM-GH-FC , white	13	69
92928	PD9-S-GH-FC, white	13	102
92931	PD9-M-1C-SDB-IP65-GH-FC, white	13	49
92933	PD9-S-SDB-GH-FC	13	49
92934	PD9-1C-GH-FC, white	13	28
92938	PD9-M-DALI/DSI-GH-FC	24	78
92973	PD9-M-DIM-HVAC-FC	13	71
92976	PD9-M-2C-FC	13	57
92985	PD9-1C-12-48V-FC	13	29
92989	PD9-LON-FC	13	135
93360	PD2N-KNX-DX-FC	23	118
93321	RC-plus next N 130 white	01	8
93323	RC-plus next N 130 black	01	8

Part number	Description	Prod./Gr.	Page
93324	RC-plus next N 130 brown	01	8
93331	RC-plus next N 230 white	01	9
93333	RC-plus next N 230 black	01	9
93334	RC-plus next N 230 brown	01	9
93341	RC-plus next N 280 white	01	10
93343	RC-plus next N 280 black	01	10
93344	RC-plus next N 280 brown	01	10
93346	RC-plus next N 230 silver	01	9
93361	PD2N-KNX-DX-FM	23	118
93362	Indoor 180-KNX-BA-FM	23	126
93363	Indoor 180-KNX-ST-FM	23	127
93364	Indoor 180-KNX-DX-FM	23	128
93380	PD2N-KNX-BA-FC	18	116
93381	PD2N-KNX-BA-FM	18	116
93382	PD2N-KNX-ST-FC	23	117
93383	PD2N-KNX-ST-FM	23	117
93384	PD4N-KNX-ST-FC	23	119
93385	PD4N-KNX-ST-FM	23	119
93386	PD4N-KNX-DX-FC	23	120
93387	PD4N-KNX-DX-FM	23	120
93388	PD4N-KNX-C-DX-FC	23	121
93389	PD4N-KNX-C-DX-FM	23	121
93390	PD9-KNX-DX-FC	23	123
93391	PD9-KNX-DX-GH-FC	23	124
93392	PD11-KNX-FLAT-DX-FC	23	125
93393	Indoor 140-L-KNX-DX-FM	23	129
93394	RC-plus next N 230 KNX-DX, white	23	115
93395	RC-plus next N 230 KNX-DX, black	23	115
93389	IR-PD-KNX-Mini	09	146
93399	PD4N-KNX-GH-DX-SM	23	122
94055	PD2N-M-1C-LED-FC	13	52
94325	Indoor 140-L, covering not included	13	88
94328	Indoor 140-L, covering included	13	88
94341	Indoor 140-L covering IP20, anthracite, matt	06	108
94342	Indoor 140-L covering IP20, pure white, glossy	06	108
94343	Indoor 140-L covering IP20, pure white, matt	06	108
94344	Indoor 140-L covering IP20, oyster white, matt	06	108
94345	Central plate for Indoor 140 63x63mm, pure white, matt	06	110

| Part number	Description	Prod./Gr.	Page
94346	Central plate for Indoor 140 55x55mm pure white glossy	06	110
94347	Central plate for 63x63mm, anthracite, glossy, RAL 7021	06	110
94349	Central plate for 63x63mm, oyster white, glossy, RAL 9001	06	110
94352	Central plate for 55x55mm, signal white, glossy, RAL 9003	06	110
94401	HF-MD1	27	30
94402	HF-MD2-SM	27	31
94417	HF-MD1 ESL	27	30
94431	HF-H-MD1 Standard	27	32
94437	HF-MD3	27	62
94438	HF-MD4	27	63
94459	HF-EM1 external light sensor and IR receiver	06	62
94460	HF-CO1 Impact protection and strain relief	06	62
97004	Outside corner socket for RC-plus next N	06	8
97005	Inside corner socket for RC-plus next N, white	06	8
97014	Outside corner socket for RC-plus next N, brown	06	8
97024	Outside corner socket for RC-plus next N, black	06	8

B.E.G. operates a policy of continuous product improvement and development.
And reserve the right to change the product specifications of any time. Errors excepted.

| CHOOSE THE APPLICATIVE DETECTOR			FOR SWITCHING		FOR DIMMING 1-10VDC		DALI/DSI-OUTPUT		KNX OUTPUT		SLAVES	
			DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
Office ≤ 13 m²		False ceiling	PD2-M-1C-FC	92565	PD2-M-DIM-FC	92167	PD2-M-DALI/DSI-FC	92258	PD2N-KNX-DX-FC	93360	PD2-S-FC	92166
		Surface mounting	PD2-M-1C-SM	92550	PD2-M-DIM-SM	92153	PD2-M-DALI/DSI-SM	92280	PD2N-KNX-DX-FM + SM	93361 + 93306	PD2-S-SM	92152
		False ceiling							PD11-KNX-FLAT-DX-FC	93392		
		False ceiling							PICO-KNX-DX-FC	92719		
Open-plan office, Meeting room		False ceiling	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4N-KNX-DX-FC	93386	PD4-S-FC	92254
		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4N-KNX-DX-FM + SM + mounting socket	93387 93306	PD4-S-SM	92142
Hallway, Corridor		False ceiling	PD4-M-2C-C-FC	92143	PD4-M-DIM-C-FC	92217	PD4-M-DALI/DSI-C-FC	92328	PD4N-KNX-C-DX-FC	93388	PD4-S-C-FC	92444
		Surface mounting	PD4-M-2C-C-SM	92440	PD4-M-DIM-C-SM	92218			PD4N-KNX-C-DX-FM + SM + mounting socket	93389 93306	PD4-S-C-SM	92442
		Wall mounting	Indoor 140-L	94325								
Entrace hall		False ceiling	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4N-KNX-DX-FC	93386	PD4-S-FC	92254
		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4N-KNX-DX-FM + SM + mounting socket	93387 93306	PD4-S-SM	92142
Underground car park		Surface mounting	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4N-KNX-DX-FM + SM + mounting socket	93387 93306	PD4-S-SM	92142
Bathroom		False ceiling	PD9-M-1C-SDB-IP65-FC	92912							PD9-S-SDB-FC	92915
Classroom		Surface mounting for 2 light zones	PD4-M-2C-DUO-FC	92251	PD4-M-DUO-DIM-FC	92272	PD4-M-DUO-DALI/DSI-FC	92276	PD4N-KNX-DX-FC	93386	PD4-S-FC	92142
		Surface mounting for 3 light zones	PD4-M-3C-TRIO-FC	92745	PD4-M-TRIO-DIM-FC	92735	PD4-M-TRIO-DALI/DSI-FC	92755	PD4N-KNX-DX-FM + SM + mounting socket	93387 93306	PD4-S-FC	92142
High-bay warehouse			PD4-M-1C-GH-SM	92245					PD4-KNX-GH-DX-SM	93399		
Staircase		Renovation Wall switch / Stair light timer switch	Indoor 180-TR / SCT1	92650 / 92655								
		Flush mounting	Indoor 180-R	92623					Indoor 180-KNX-BA	93362		
		Wall mounting	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 entrace, Range max. 20 m		Detection area 130° + 360°	RC-plus next N 130	93321								
		Detection area 230° + 360°	RC-plus next N 230	93331					RC-plus next N 230 KNX	93394		
		Detection area 280° + 360°	RC-plus next N 280	93341								
House entrace, Range max. 16 m		Detection area 280° + 360°	LC-plus 280	91008								
House entrace, 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
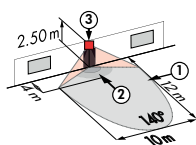
LC-Click-N 200
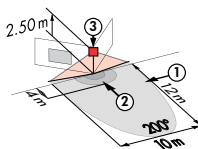
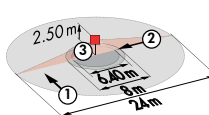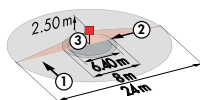**LC-plus 280**
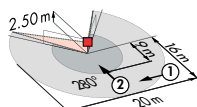
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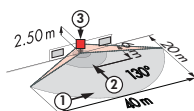
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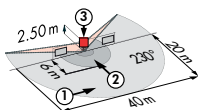
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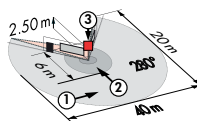
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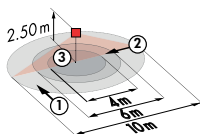
PD9/PICO
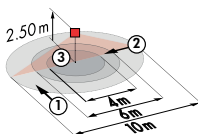
PD4

PD4-DUO / PD4-TRIO

PD4-GH
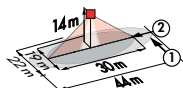
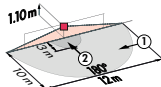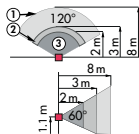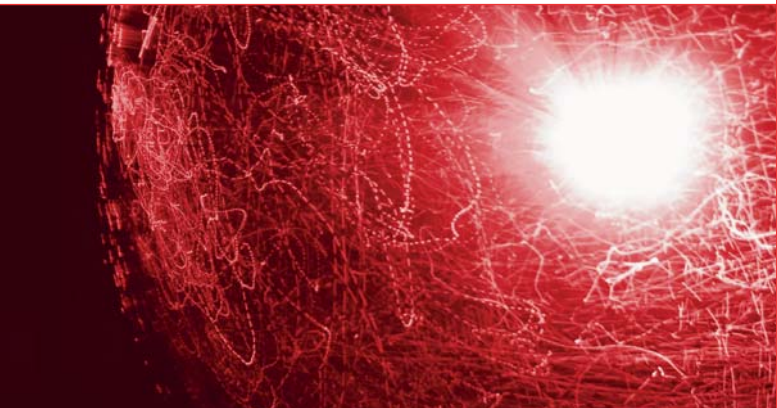**PD4-C**
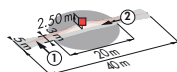
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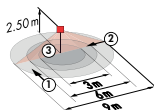
Indoor 180

Indoor 140-L

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