

# **B.E.G. LUXOMAT® CATALOGUE**

## **MOTION AND OCCUPANCY DETECTORS**



▪ [www.beg-luxomat.com](http://www.beg-luxomat.com) ▪



- Motion-controlled
- Presence-dependent
- Light-oriented



With **B.E.G.** energy saving = cost reduction + environmental protection



OUTDOOR  
MOTION DETECTORS



INDOOR  
MOTION DETECTORS



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS



WALL SWITCHES



REMOTE CONTROLS



























WIRING DIAGRAMS



APPLICATION  
EXAMPLES

## LEGEND

-  Remote controllable
-  Channel 1 for light control
-  Channel 1 for light control/channel 2 for HVAC
-  Channel 1 and 2 for light control/channel 3 for board lighting
-  For two lighting zones
-  Slave device
-  Master device with Slave function
-  1 - 10V dim output with Master function
-  DALI connection with Master function
-  11-48V connection
-  LON-BUS connection
-  KNX-BUS connection
-  Wireless technology
-  Radar / HF technology
-  Pulse function
-  Pushbutton function
-  Fully automatic or semi-automatic
-  Microphone
-  Restriction of the detection area with cover blind accessories
-  Anti-creep protection
-  Plug-in base mounting
-  Outdoor corner mounting
-  Higher IP protection, suitable for outdoor use
-  Arc extinction kit as accessory

-  Power supply
-  Detection area
-  Switching power
-  Range (approx.) in m
-  Time settings
-  Lux value
-  Degree of protection
-  Dimensions
-  Ambient temperature
-  Housing
-  Frequency

## THREE STEPS TO FINDING THE RIGHT DEVICE

### 1. Application

The tabs at the side are sorted according to use and field of application

### 2. Function

Pictograms in the tab and above the technical data

The function is described in the heading

### 3. Detection area

Products ordered by type designation

A detailed overview of motion and occupancy detectors is provided on page 187.

\* If you are familiar with the old catalogue structure, an index of ceiling-mounted detectors is provided on page 5.

avea



REACH

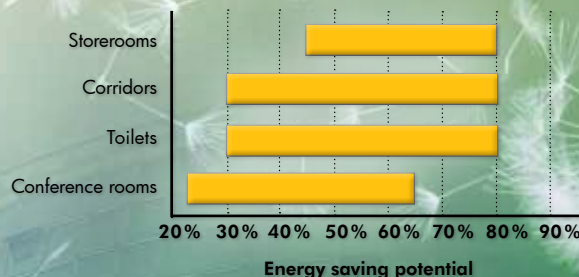
KPMG



ear

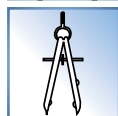
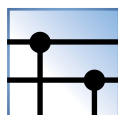
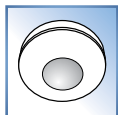
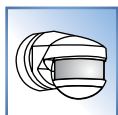


Options for energy and cost reduction with motion and occupancy detectors



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**OUTDOOR  
MOTION DETECTORS**

**INDOOR  
MOTION DETECTORS**

**CEILING-MOUNTED  
OCCUPANCY  
DETECTORS**

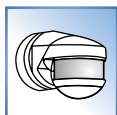
**WALL SWITCHES**

**REMOTE CONTROLS**

**WIRING DIAGRAMS**

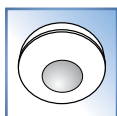
**APPLICATION  
EXAMPLES**





### Motion detectors for outdoor use ..... 8 - 20

- Ensure safety and convenience outdoors by automatically switching on connected lights while people are moving in the detection area.
- Respond to significant movement (e.g. people walking)
- Simple light measurement (ambient luminosity)
- Switch on when luminosity is low and motion is detected
- Lag time is extended each time new movement is detected
- Switch off after the lag time has elapsed



### Ceiling-mounted motion detectors ..... 21 - 37

- Usually used where people are present indoors for only a short time or little natural light is available. In addition to the convenience of automatic control, they also save energy as the load is only switched on when it is actually needed.
- Also respond to a smaller degree of movement (e.g. movements indoors)
- Simple light measurement (ambient luminosity)
- Switch on when luminosity is low and motion is detected
- Lag time is extended each time new movement is detected
- Switch off after the lag time has elapsed



### Ceiling-mounted occupancy detectors with daylight appraisal ..... 38 - 103

- These are real energy-saving solutions. They are best used in areas where people are present over a longer period of time.
- In addition to artificial lighting only being switched on when required, it is also switched off again once sufficient daylight is present.
- For devices with a dim function, the room lighting is also continuously adjusted to daylight levels. This means that only the amount of energy required for optimum room lighting is used.
- Respond to the smallest of movements (e.g. someone working at a desk)
- Complex light measurement with evaluation of the level of daylight and artificial light
- **Either fully automatic (presence)**  
Switch on when ambient luminosity is low and motion is detected
- **Or semi-automatic mode (absence)**  
Switch on only via an additional pushbutton
- Lag time is extended each time new movement is detected
- Switch off also possible before the lag time has elapsed if sufficient daylight is present



### Motion and occupancy detectors as wall switches ..... 104 - 115

- These devices incorporate the advantages of a motion or presence detector in the compact design of a wall-mounted unit. Furthermore, these devices can be combined with many existing switch designs and colours.
- Also respond to a smaller degree of movement (e.g. movements indoors)
- For installation in dry lining boxes in walls
- Covers are available in various colours and with IP54 protection
- Installation height of 1.10 - 2.20 m
- Functionality of motion and presence detectors as described above



PAGE NUMBERS FOR OCCUPANCY AND MOTION DETECTORS ACCORDING TO THEIR DESIGNATION

[illegible]

PD9



PD1N



PD2



PD3N



PD4



PD5



Indoor 180



PD11



PICO

## Intelligence at home – Light through motion



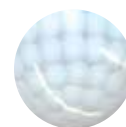


# 1975

## B.E.G. Brück Electronic GmbH

### B.E.G. - a company with over 30 years tradition

- 1975** The founding of the **B.E.G.** company.  
We started with the manufacture of emergency lights and continued later with the production of group suppliers for emergency lighting systems.
- 1986** Expansion of our activities for developing and producing motion detectors.  
Since then, we have manufactured several generations of motion detectors in our company along with expanding the range by developing other product families such as **VIDEOLUX®** and **ECOLIGHT**.
- 2006** With our continuing aim of "direct connections" from June 1st 2006 sales in German are now handled directly.  
We now have direct operations in Germany, France, UK and Belgium. Starting this year, the company **B.E.G.** Brück Electronic GmbH is certified according to ISO 9001:2000.  
The cornerstone celebration for a new operations and logistics center with connected fabrication and development departments in Lindlar to even better meet today's demands.
- 2007** Commissioning of a new building. **B.E.G.** continues to have excellent reputation throughout Germany and internationally. It also maintains representations in many countries around the world.
- 2009** **B.E.G.** Brück Elektronik GmbH successfully renews its ISO 9001:2008 certification.
- 2010** ISO 14001:2004 certification awarded for environmental management
- 2011** New operations in Hungary and Italy.
- 2012** New operations in Denmark and Spain.



## ... our high standard of quality

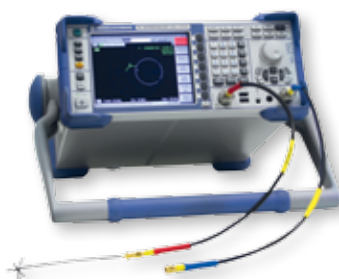
The **B.E.G. employees** are proud to be able provide the customers with products that boast innovative technology, unimpeachable workmanship and advanced designs while maintaining good value for money – products that compare very favourably other brand name manufacturers.

### Customer satisfaction out of principle

For us, quality starts during product development. It is important to us that the products meet our customers' requirements and even exceed their expectations, which is why we involve you!

### Quality with system

Our company, **B.E.G.**, is certified according to ISO 9001:2008 (quality management) and ISO 14001:2004 (environmental management).



That means the entire **B.E.G.** company works on the basis of a standardized quality management system. The highest goal is our customers' satisfaction. Our employees constantly work on assuring this high quality standard and eliminating any potential sources of errors. Our products' reliability, usefulness, electromagnetic compatibility (EMC) and safety is ensured by our cooperation with independent testing institutes.

### We will not let you down

We apply the same high standard of quality we place on our products to supporting our customers after purchase.

**B.E.G.** provides extensive after sales service to achieve this.

You will receive competent support from our trained office staff on questions about application, reordering and guarantee processing. Our field representatives will help you during project planning and will keep you up to date about products from **B.E.G.** If technical questions should arise, our qualified technicians are always available on the telephone or, if necessary, onsite. We carry out any possible required repairs in our company, quickly and professionally.

### In record time and optimal condition in your company

By strictly selecting our logistics partners, we ensure that the goods you have ordered arrive at your company in the shortest time, punctually and in flawless condition.





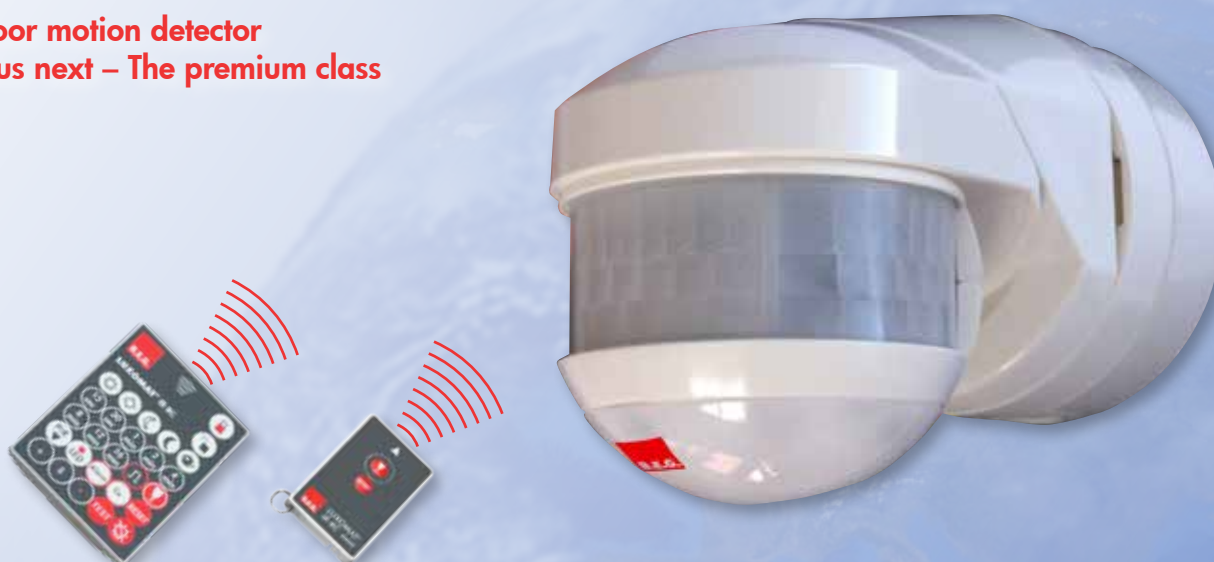
### OVERVIEW OF MOTION DETECTORS FOR OUTDOOR USE

Motion detector	Part no.	Page	Wall mounting	Ceiling mounting	Outdoor corner mounting	Corner base	Motion detection	Remote controllable	Range	Detection area
RC-plus next 130	97001 – white 97011 – brown 97021 – black	10	■	■	□	□	■	■	20 m	130°
RC-plus next 230	97002 – white 97012 – brown 97022 – black 97042 – silver	11	■	■	□	□	■	■	20 m	230°
RC-plus next 280	97003 – white 97013 – brown 97023 – black	12	■	■	■	■	■	■	20 m	280°
RC-plus next 230 (KNX/EIB)	97052 – white 97053 – black	13	■	■	□	□	■	–	20 m	230°
RC-plus next 230 ZW	92066 – white	14	■	■	□	□	■	■	20 m	230°
LC-plus 280	91008 – white 91018 – brown 91028 – black 91048 – silver	15	■	–	■	■	■	■	16 m	280°
LC-Click-N 140	91001 – white 91011 – brown 91021 – black	16	■	–	–	–	■	–	12 m	140°
LC-Click-N 200	91002 – white 91012 – brown 91022 – black	17	■	–	–	–	■	–	12 m	200°
LC-Mini 120	91051 – white 91071 – black	18	■	–	–	–	■	–	10 m	120°
LC-Mini 180	91052 – white 91072 – black	19	■	–	–	–	■	–	10 m	180°

□ Accessory

■ Standard

### Outdoor motion detector RC-plus next – The premium class



UP TO FOUR DIFFERENT COLOURS

BASE COMPATIBLE WITH PREVIOUS VERSION

MOUNTING TYPES

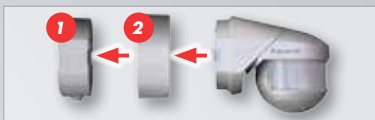
SPECIAL FEATURES



white



black



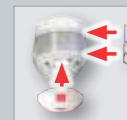
1) RC-plus or Vario base  
2) RC-plus next retaining ring



Wall mounting



Ceiling mounting



Cover clips and cover

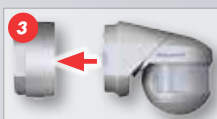
Concealed controller for lag time, range and Lux values



brown



silver



3) RC-plus or Vario base with retaining ring



4) Base complete



Corner mounting with socket base



Adjustable sensor head lens



One-handed plug-in base mounting

Cable entry from above, below or behind

### Saves energy and ensures safety – **LUXOMAT®** motion detector for wall and ceiling mounting outdoors



■ Even better – for energy saving,  
safety and comfort



Houses

Garages

Outdoor  
stairwells

Security

Thorough-  
fares

Entrances

#### Motion detectors with modern sensor technology

Whether **LUXOMAT®** RC-plus next or LC-plus 280 – as fast as the requirements change – **B.E.G.** motion detectors adapt rapidly and easily. The new **LUXOMAT®** RC-plus next with its modern sensor unit and adaptive dynamic switch off delay time sets new standards in motion detection.

The adjustment controls for the pick up range and the potentiometer for the daylight and time setting are on the bottom of each sensor head. All settings can be precisely adjusted with the included special screwdriver.

This can be performed much simpler and more comfortably from the ground (which also allows additional features to be activated) using the optional remote control, the **LUXOMAT®** IR-RC or IR-LC-plus.

Later or short-term changes to the settings can be taken care of without bothersome ladders by using the appropriate remote control. The factory settings are also useful. They enable rapid start-up. In the **LUXOMAT®** RC-plus next the **LUXOMAT®** IR-RC remotes facilitate automatically programming the switch on and switch-off light values when the desired dimming value has been reached. Plus the permanent light feature, the holiday and comfort switch, the party setting, and more.

The practical one-handed plug base in the **LUXOMAT®** facilitates really simple installation and is even compatible with the RC-plus plug base. Fastening the detector to the outside cornersec. – with a special RC-plus next or LC-plus corner socket is child's play.

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RC-plus next with wireless technology	14	
LC-plus 280	15	
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### LUXOMAT® RC-plus next 130



With 3000 W  
switching power



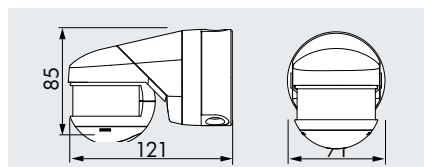
white



brown



black



#### TECHNICAL DATA

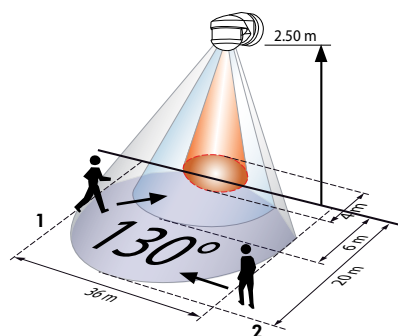
- 230 V ~ ±10 %  
(can also be supplied with other operating voltages on request)
- 130°
- max. 20 m when walking across (tangential)
- IP54 / Class II / CE
- L 121 x W 71 x H 85 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-RC, IR-RC-Mini

#### Channel 1 (light control)

- 3000 W,  $\cos\varphi = 1$ ;  
1500 VA,  $\cos\varphi = 0.5$
- 15 sec. - 16 min. or pulse for bell function
- 2 - 2000 Lux

#### PRODUCT INFORMATION

- Motion detector LUXOMAT® RC-plus next with detection area of 130°
- 360° anti-creep for a gapless monitoring, connectible and disconnectible with remote control LUXOMAT® IR-RC.
- **NEW:** energy saving by courtesy of follow up accommodation
- Additional cover clips also ensure step-less adjustment of the detection area
- Modern sensor technology for a better quality of the detection, especially by walking towards
- Detection of the direction of motion and improved range test mode
- Detector is compatible to the socket base of LUXOMAT® RC-plus and LUXOMAT® Vario
- The product is programmed for immediate use (time 3 min. / Lux value 20 Lux).
- Many programmes adjustable with the remote control LUXOMAT® IR-RC
- Wall-, ceiling- and outside corner mountable
- Inserting of the connection cable possible from top down, from below and from behind
- Easy installation with plug-in socket
- **Application examples:**  
for narrow premises, walkways, gateways



- 1 Walking towards
- 2 Walking across
- Anti-creep

- ▶ Remote controls on page 118, 119!
- ▶ Wiring diagrams on page 143 - 145!
- ▶ Application examples on page 167, 173, 183!
- ▶ Installation note - Arc extinction kit: on page 20!

#### ACCESSORY (OPTIONAL)

IR-RC



(to order separately)

IR-RC-Mini



(to order separately)

RC-plus next corner socket



white

brown

black

Wire basket

Blinds  
see page 20!Arc extinction kit  
see page 20!

Description	Colour	Part number
RC-plus next 130	white	97001
RC-plus next 130	brown	97011
RC-plus next 130	black	97021
<b>Accessory (optional)</b>		
LUXOMAT® IR-RC	grey	92000
LUXOMAT® IR-RC-Mini	grey	92090
Corner socket for RC-plus next	white	97004
Corner socket for RC-plus next	brown	97014
Corner socket for RC-plus next	black	97024
Wire basket BSK	white	92467



### LUXOMAT® RC-plus next 230

With 3000 W  
switching power



white



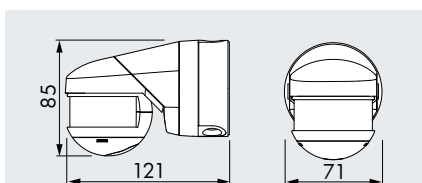
brown



black



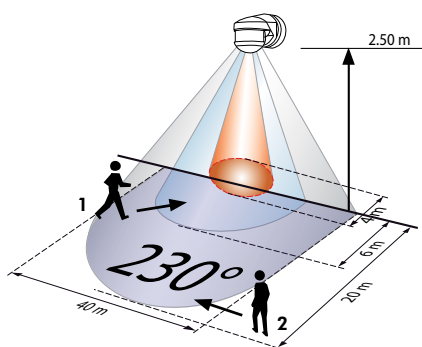
silver



- ▶ Remote controls on page 118, 119!
- ▶ Wiring diagrams on page 143 -145!
- ▶ Application examples on page 167, 173, 183!
- ▶ Installation note - Arc extinction kit: on page 20!

#### TECHNICAL DATA

- 230V~ ±10%  
(can also be supplied with other operating voltages on request)
- 230°
- max. 20 m when walking across (tangential)
- IP54 / Class II / CE
- L 121 x W 71 x H 85 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-RC, IR-RC-Mini
- Channel 1 (light control)**
  - 3000 W,  $\cos\varphi = 1$ ;  
1500 VA,  $\cos\varphi = 0.5$
  - 15 sec. - 16 min. or pulse for bell function
  - 2 - 2000 Lux



#### PRODUCT INFORMATION

- Motion detector LUXOMAT® RC-plus next with detection area of 230°
- 360° anti-creep for a gapless monitoring, connectible and disconnectible with remote control LUXOMAT® IR-RC.
- **NEW:** energy saving by courtesy of follow up accommodation
- Additional cover clips also ensure step-less adjustment of the detection area
- Two modern sensors with two separate detection areas and two separate indications of the performance tests
- Detection of the direction of motion and improved range test mode
- Detector is compatible to the socket base of LUXOMAT® RC-plus and LUXOMAT® Vario
- The product is programmed for immediate use (time 3 min. / Lux value 20 Lux).
- Wall-, ceiling- and outside corner mountable
- Inserting of the connection cable possible from top down, from below and from behind
- Easy installation with plug-in socket
- **Application examples:** monitoring a whole side of a building, warehouses, ramps or garages

- 1 Walking towards
- 2 Walking across
- Anti-creep

#### ACCESSORY (OPTIONAL)

IR-RC



(to order separately)

IR-RC-Mini



(to order separately)

RC-plus next corner socket



white



brown



black



silver

Wire basket

Blinds  
see page 20!Arc extinction kit  
see page 20!

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

#### Accessory (optional)

LUXOMAT® IR-RC	grey	92000
LUXOMAT® IR-RC-Mini	grey	92090
Corner socket for RC-plus next	white	97004
Corner socket for RC-plus next	brown	97014
Corner socket for RC-plus next	black	97024
Corner socket for RC-plus next	silver	97043
Wire basket BSK	white	92467

### LUXOMAT® RC-plus next 280



With 3000 W  
switching power



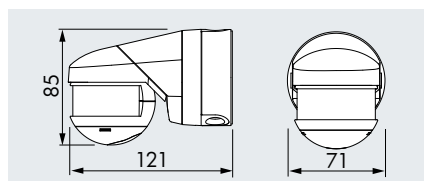
white



brown



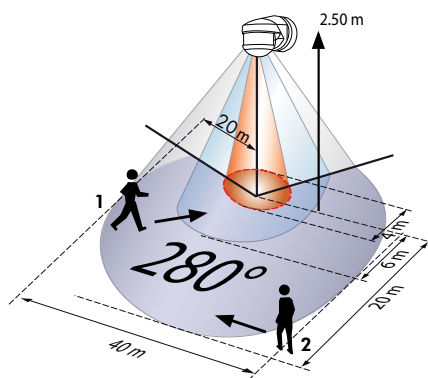
black



- ▶ Remote controls on page 118, 119!
- ▶ Wiring diagrams on page 143 - 145!
- ▶ Installation note - Arc extinction kit: on page 20!

#### TECHNICAL DATA

- 230 V ~ ±10 %  
(can also be supplied with other operating voltages on request)
- 280°
- max. 20 m when walking across (tangential)
- IP54 / Class II / CEE
- L 121 x W 71 x H 85 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-RC, IR-RC-Mini
- Channel 1 (light control)**
  - 3000 W,  $\cos\varphi = 1$ ;  
1500 VA,  $\cos\varphi = 0.5$
  - 15 sec. - 16 min. or pulse for bell function
  - 2 - 2000 Lux



- 1 Walking towards
- 2 Walking across
- Anti-creep

#### PRODUCT INFORMATION

- Motion detector LUXOMAT® RC-plus next with detection area of 280°
- 360° anti-creep for a gapless monitoring, connectible and disconnectible with remote control LUXOMAT® IR-RC.
- NEW:** energy saving by courtesy of follow up accommodation
- Additional cover clips also ensure stepless adjustment of the detection area
- Three modern sensors with three separate detection areas and three separate indications of the performance tests
- Detection of the direction of motion and improved range test mode
- Detector is compatible to the socket base of LUXOMAT® RC-plus and LUXOMAT® Vario
- The product is programmed for immediate use (time 3 min. / Lux value 20 Lux).
- Wall-, ceiling- and outside corner mountable
- Special base for corner mounting included**
- Inserting of the connection cable possible from top down, from below and from behind
- Easy installation with plug-in socket
- Application examples:** monitoring two sides of a building, warehouses

#### ACCESSORY (OPTIONAL)

IR-RC



(to order separately)

IR-RC-Mini



(to order separately)

Wire basket



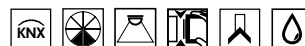
Blinds  
see page 20!



Arc extinction kit  
see page 20!

Description	Colour	Part number
RC-plus next 280	white	97003
RC-plus next 280	brown	97013
RC-plus next 280	black	97023
<b>Accessory (optional)</b>		
LUXOMAT® IR-RC	grey	92000
LUXOMAT® IR-RC-Mini	grey	92090
Wire basket BSK	white	92467

### LUXOMAT® RC-plus next 230 (KNX/EIB)



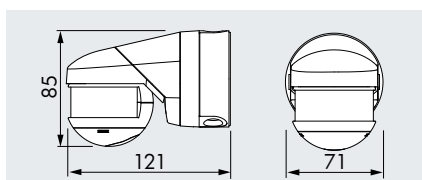
For KNX-BUS



white



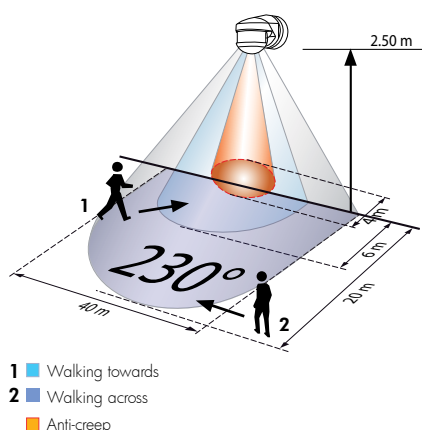
black



► Before programming, please note the device and software version.

#### TECHNICAL DATA

- 24 VDC from KNX-BUS network
- 230°
- max. 20 m when walking across (tangential)
- IP54 / Class II / C<sub>0</sub>
- L 121 x W 71 x H 85 mm
- 25°C to +55°C
- Housing UV- and shock-resistant polycarbonate
- For integration in KNX-BUS systems**



#### PRODUCT INFORMATION

- Motion detector **LUXOMAT® RC-plus next 230 (KNX/EIB)** for building services engineering, which based on KNX-BUS-network (European Installation Bus).
- **Application examples:** monitoring a whole side of a building, warehouses, ramps or garages
- **Dimming version:**
  - With integrated bus coupler! Connection via WAGO standard bus connector
  - When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:
    - Standard mode (semi-automatic or fully automatic mode (**switching**))
    - Semi-automatic or fully automatic mode with **constant light control (dimming)**
    - Slave mode
    - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton

#### ACCESSORY (OPTIONAL)

RC-plus next corner socket

Wire basket



white

black



Blinds  
see page 20!



Slaves RC-plus next  
(KNX/EIB) see page 13!

Description	Colour	Part number
RC-plus next 230 (KNX/EIB)	white	97052
RC-plus next 230 (KNX/EIB)	black	97053
<b>Accessory (optional)</b>		
Corner socket for RC-plus next	white	97004
Corner socket for RC-plus next	black	97024
Wire basket BSK	white	92467



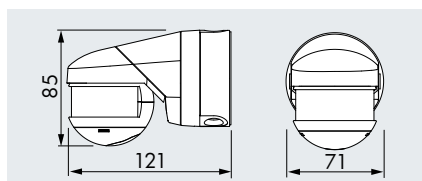
## ..... | LUXOMAT® RC-plus next 230 ZW



Bidirectional



white



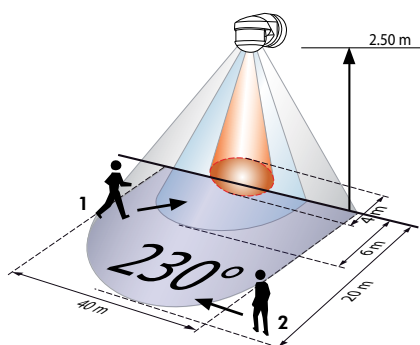
- ! For additional information about the wireless system, please request our SMARTHOME catalogue.  
Remote controls on page 124!

### ■ TECHNICAL DATA

	230 V ~ ±10 %
	230°
	max. 20 m when walking across (tangential)
	IP54 / Class II / CEE
	L 121 x W 71 x H 85 mm
	-15°C to +50°C
	Housing UV- and shock-resistant polycarbonate
	IR-SMARTHOME
	<b>Wireless channel</b>
	868.42 MHz / < 10 mW Wireless range max. 100 m
	2 sec. - 30 min.
	2 - 2000 Lux

### i PRODUCT INFORMATION

- Motion detector LUXOMAT® RC-plus next 230 ZW, which sends a wireless signal to a wireless receiver when a movement is detected or a preset twilight value is reached.
- 360° anti-creep for a gapless monitoring
- Wall-, ceiling- and outside corner mountable
- Easy installation with plug-in socket
- **Application examples:** monitoring a whole side of a building, warehouses, ramps or garages



- 1 Walking towards  
2 Walking across  
Anti-creep

### ■ ACCESSORY (OPTIONAL)

IR-SMARTHOME



(to order separately)

RC-plus next corner socket



white

FM Receiver module



Socket receiver module



SM Receiver module



Repeater



Wire basket



Blinds see page 20!

Description	Colour	Part number
RC-plus next 230 ZW	white	92066
<b>Accessory (optional)</b>		
LUXOMAT® IR-SMARTHOME	grey	90162
Corner socket for RC-plus next	white	97004
A-FM-ZW	white	92805
A-ST-ZW	white	92817
A-SM-ZW	white	92807
Repeater ZW	white	92189
Wire basket BSK	white	92467

### LUXOMAT® LC-plus 280



white



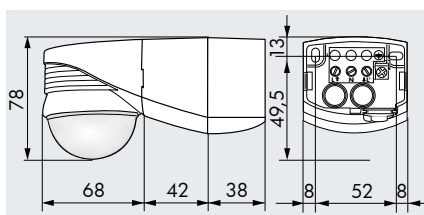
brown



black



silver



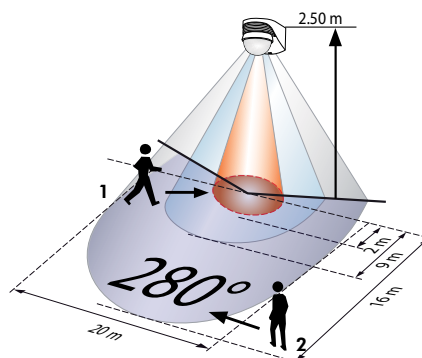
- ▶ Remote controls on page 120, 121!
- ▶ Wiring diagrams on page 143 - 145!
- ▶ Installation note - Arc extinction kit: on page 20!

#### TECHNICAL DATA

- 230V~ ±10%
- 280°
- max. 16 m when walking across (tangential)
- IP44 / Class II / C €
- L 110 x W 68 x H 78 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-LC-plus, IR-LC-Mini

#### Channel 1 (light control)

- 2000 W,  $\cos \varphi = 1$ ;  
1000 VA,  $\cos \varphi = 0.5$
- 15 sec. - 16 min. or pulse for bell function
- 10 - 2000 Lux



- 1 Walking towards
- 2 Walking across
- Anti-creep

#### PRODUCT INFORMATION

- New, electronic micro processor controlled motion detector with 360°-anti-creep for a gapless monitoring
- Spherical head adjustable
- The detection area can be altered by blinds, which are included. The blinds can be clipped-on and moved to stop unwanted detection, making it possible to achieve detection areas of less than 280°, such as 90°, 130° or 230°. Blinds included, also for 360° anti-creep cover.
- Adjustment light level and time setting by screwdriver or potentiometers at the bottom of the detector ball.
- The product is programmed for immediate use with light level 20 Lux and time setting 3 min.
- Mounting bracket for outside corners included (**supplied as standard**)
- Easy installation with plug-in socket
- **Application examples:**  
monitoring two sides of a building, warehouses, parking lots

#### ACCESSORY (OPTIONAL)

IR-LC-plus



(to order separately)

IR-LC-Mini



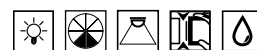
(to order separately)

Wire basket

Blinds  
see page 20!Arc extinction kit  
see page 20!

Description	Colour	Part number
LC-plus 280	white	91008
LC-plus 280	brown	91018
LC-plus 280	black	91028
LC-plus 280	silver	91048
<b>Accessory (optional)</b>		
LUXOMAT® IR-LC-Mini	grey	92093
LUXOMAT® IR-LC-plus	grey	92095
Wire basket BSK	white	92467

### LUXOMAT® LC-Click-N 140



With Anti-creep



white

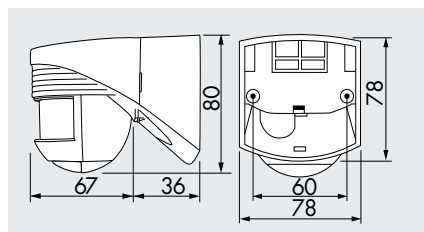
**NEW!**



brown

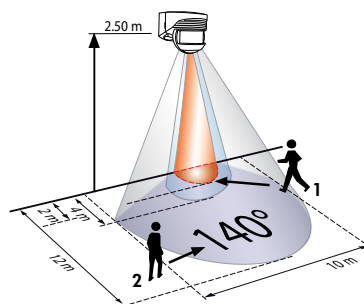


black



#### TECHNICAL DATA

- 230V~ ±10%
- 140°
- max. 12 m when walking across (tangential)
- IP44 / Class II / CEE
- L 103 x W 78 x H 80 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Channel 1 (light control)**
- 2000 W, cosφ = 1
- 4 sec. - 10 min.
- 2 - 2000 Lux



- 1 Walking towards
- 2 Walking across
- Anti-creep

#### PRODUCT INFORMATION

- Motion detector with detection area of 140°
- Spherical head adjustable in two levels
- 180° anti-creep for a gapless monitoring
- Range adjustable by moving the sensorhead
- The detection area can be altered by blinds, which are included. The blinds can be clipped-on and moved to stop unwanted detection.
- Adjustment light level and time setting by screwdriver and potentiometers at the bottom of the sensor head infinitely variable
- Wall mounting
- Easy installation with plug-in socket
- **Application examples:** monitoring for narrow premises, ways, gateways or at door sills

- ▶ Wiring diagrams on page 143 - 145!
- ▶ Installation note - Arc extinction kit: on page 20!
- ▶ Detector can be fixed to the attachment points of the backbox
- ▶ Fits on any 60mm wallbox which is completely concealed



#### ACCESSORY (OPTIONAL)

Wire basket



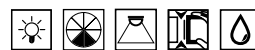
Blinds  
see page 20!

Arc extinction kit  
see page 20!

Description	Colour	Part number
LC-Click-N 140	white	91001
LC-Click-N 140	brown	91011
LC-Click-N 140	black	91021
<b>Accessory (optional)</b>		
Wire basket BSK	white	92467



### LUXOMAT® LC-Click-N 200



With Anti-creep



white

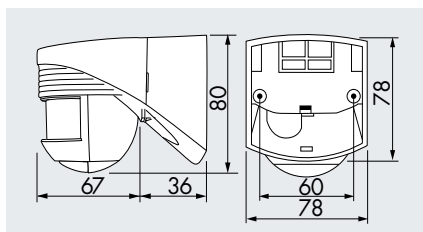
**NEW!**



brown

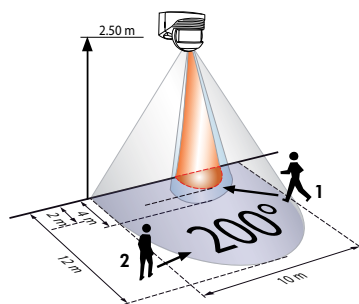


black



#### ■ TECHNICAL DATA

- 230 V~ ±10 %
- 200°
- max. 12 m when walking across (tangential)
- IP44 / Class II / C €
- L 103 x W 78 x H 80 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Channel 1 (light control)**
- 2000 W, cos φ = 1
- 4 sec. - 10 min.
- 2 - 2000 Lux



- 1 Walking towards
- 2 Walking across
- Anti-creep

#### ❗ PRODUCT INFORMATION

- Motion detector with detection area of 200°
- Spherical head adjustable in two levels
- 180° anti-creep for a gapless monitoring
- Range adjustable by moving the sensorhead
- The detection area can be altered by blinds, which are included. The blinds can be clipped-on and moved to stop unwanted detection.
- Adjustment light level and time setting by screwdriver and potentiometers at the bottom of the sensor head infinitely variable
- Wall mounting
- Easy installation with plug-in socket
- **Application examples:** monitoring for narrow premises, ways, gateways or at door sills

- ▶ Wiring diagrams on page 143 - 145!
- ▶ Installation note - Arc extinction kit: on page 20!
- ▶ Detector can be fixed to the attachment points of the backbox
- ▶ Fits on any 60 mm wallbox which is completely concealed



#### ■ ACCESSORY (OPTIONAL)

Wire basket



Blinds  
see page 20!



Arc extinction kit  
see page 20!

Description	Colour	Part number
LC-Click-N 200	white	91002
LC-Click-N 200	brown	91012
LC-Click-N 200	black	91022
<b>Accessory (optional)</b>		
Wire basket BSK	white	92467

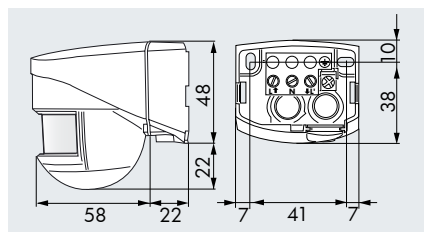
### LUXOMAT® LC-Mini 120



white



black



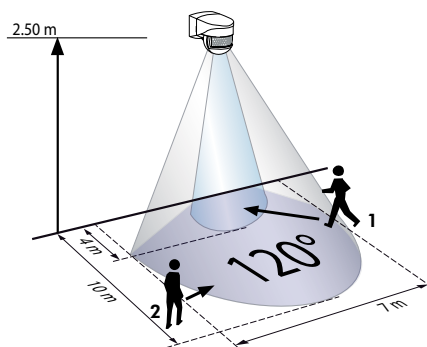
- ▶ Wiring diagrams on page 143 - 145!
- ▶ Installation note - Arc extinction kit: on page 20!

#### TECHNICAL DATA

- 230V~ ±10%
- 120°
- max. 10m when walking across (tangential)
- IP44 / Class II / CEE
- L80 x W55 x H70 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Channel 1 (light control)**
  - 1000 W,  $\cos \varphi = 1$
  - 4 sec. - 10 min.
  - 2 - 2000 Lux

#### PRODUCT INFORMATION

- Mini-Motion detector with detection area of 120°
- Spherical head adjustable in two levels
- Range adjustable by moving the sensorhead
- The detection area can be altered by blinds, which are included. The blinds can be clipped-on and moved to stop unwanted detection.
- Adjustment light level and time setting by screwdriver and potentiometers at the bottom of the sensor head infinitely variable
- Wall mounting
- **Application examples:** monitoring for narrow premises, ways, gateways or at door sills



- 1 ■ Walking towards
- 2 ■ Walking across

#### ACCESSORY (OPTIONAL)

Wire basket



Blinds  
see page 20!

Arc extinction kit  
see page 20!

Description	Colour	Part number
LC-Mini 120	white	91051
LC-Mini 120	black	91071
<b>Accessory (optional)</b>		
Wire basket BSK	white	92467

### LUXOMAT® LC-Mini 180



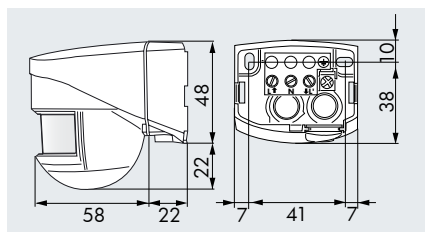
OUTDOOR  
MOTION DETECTORS



white



black



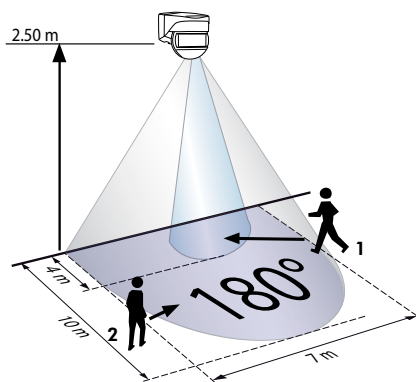
- ▶ Wiring diagrams on page 143 - 145!
- ▶ Installation note - Arc extinction kit: on page 20!

#### TECHNICAL DATA

- 230 V~ ±10%
- 180°
- max. 10 m when walking across (tangential)
- IP44 / Class II / C €
- L80 x W55 x H70 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Channel 1 (light control)**
- 1000 W,  $\cos\varphi = 1$
- 4 sec. - 10 min.
- 2 - 2000 Lux

#### PRODUCT INFORMATION

- Mini-Motion detector with detection area of 180°
- Spherical head adjustable in two levels
- Range adjustable by moving the sensorhead
- The detection area can be altered by blinds, which are included. The blinds can be clipped-on and moved to stop unwanted detection.
- Adjustment light level and time setting by screwdriver and potentiometers at the bottom of the sensor head infinitely variable
- Wall mounting
- Application examples:** monitoring for narrow premises, ways, gateways or at door sills



- 1 Walking towards
- 2 Walking across

#### ACCESSORY (OPTIONAL)

Wire basket



Blinds  
see page 20!



Arc extinction kit  
see page 20!

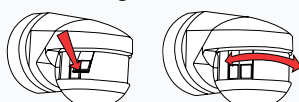
Description	Colour	Part number
LC-Mini 180	white	91052
LC-Mini 180	black	91072
<b>Accessory (optional)</b>		
Wire basket BSK	white	92467



- Blinds ensure that the detectors' detection area is adapted to the local circumstances. Sources of interference or unwanted areas can be eliminated from the area subject to motion detection. Blinds are included with the product. More can be ordered, if needed.

## Cover for **B.E.G.** motion detector

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



RC-plus next with blinds

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

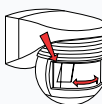


- 1 Anti-creep cover
- 2 Cover for near and remote zones
- 3 Remote zone cover



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

- Installation note - Arc extinction kit
  - In some cases of switching inductive loads e.g. relays, rockerswitches, fluorescent lamps, transformers etc, the motion detector may be retriggered again due to the high inductive voltage. In those cases the above kit is recommended to be switched parallel to the load i.e. between L' and Neutral.
  - Wiring diagrams on page 143!

## Arc extinction kit for **B.E.G.** motion detector

### ■ 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

### LUXOMAT® Ceiling-mounted motion detectors for energy saving, safety and comfort indoors



■ Intelligent control –  
Light through motion



Corridors



Hallways



Staircases



Storage  
rooms



Cellars



Toilets

#### For optimum light measurement




Motion detectors are designed to detect moving sources of heat in their detection area and to automatically switch the light according to the ambient luminosity.

This is achieved by means of passive infrared technology, where built-in infrared sensors register thermal radiation and convert this into an electrical signal. The sensor itself does not emit any radiation and is therefore referred to as a passive infrared sensor (PIR sensor).

Bodies, such as the human body, emit thermal radiation; this thermal radiation is in the infrared range and is not visible to the human eye. In view of this, if temperature differences occur due to movement, these will be detected by a sensor integrated in the motion detector and converted into an electrical signal. This is evaluated by a processor and then triggers the switching operation for the connected load.

Index	Page	
Switching with 1-channel motion detector	24 - 30	
Switching with 2-channel motion detector	31	
Wireless technology	32	
HF technology	33 - 35	

### SWITCHING WITH 1 OR 2-CHANNEL MOTION DETECTORS WITH SIMPLE LIGHT MEASUREMENT

Ceiling-mounted motion detectors	Page				Clip	Simple light measurement	Motion detection	Remote controllable	Range	Additional functions
PD3N-1C	24	92190	92196	92186	—	■	■	■	Ø 10 m	—
PD3N-1C Acoustic	25	92219	92184	—	—	■	■	■	Ø 10 m	With micro
PD4N-1C	26	92144	92149	92151	—	■	■	■	Ø 24 m	—
PD4N-1C-C	27	92270	92274	—	—	■	■	■	max. Ø 40 m	Corridor detector
PD9-DIGI	28	—	92917	—	—	—	■	—	Ø 3 m	Installation in light fittings
PD9-1C	29	—	92902 – white 92903 – silver	—	—	■	■	—	Ø 10 m	Mini detector
PD9-1C-GH	30	—	92934 – white 92935 – silver	—	—	■	■	—	Ø 6 m	High elevations
PD3N-2C	31	—	92198	92188	—	■	■	■	Ø 10 m	—
PD3N-ZW	32	92072	92071	92067	—	■	■	■	Ø 10 m	Wireless detector
HF-MD1	33	94401	—	—	—	■	■	—	max. Ø 8 m	HF detector
HF-MD1 ESL	33	94417	—	—	—	■	■	—	max. Ø 8 m	HF detector
HF-MD2	34	94402	—	—	—	■	■	—	max. Ø 8 m	HF detector
HF-H-MD1 Standard	35	94431	—	—	—	■	■	—	max. Ø 11 m	HF detector

#### Max. number of T 8 lights (f.ex. Osram)

2000 W / 2300 W			1000 W	
single flame	double flame		single flame	double flame
18 W	36	25	18	12
36 W	25	17	12	8
58 W	17	8	8	4

#### Max. number of T 5 lights (f.ex. Osram)

2000 W / 2300 W			1000 W	
single flame	double flame		single flame	double flame
24 W	28	13	14	7
49 W	28	13	14	7
54 W	19	13	9	4
80 W	13	9	6	3

**Please note:** If using conventional or low-loss ballasts, we recommend using an additional quenching circuit (Part number 10880 or 10882).



## ■ PRACTICAL TIPS

### General:

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

### 1-channel or 2-channel

#### motion detectors:

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



Infrared photograph

## ■ OVERVIEW RANGES

### PD3N and PD9 motion detector

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

r=radius

### PD4N motion detector

Overview range in dependence from the mounting height			
Mounting height	Range (circular detection) T=18°C		
	Smaller movements	Walking across	Walking towards
2.00 m	r=2.60 m	r=8.50 m	r=3.20 m
2.50 m	r=3.20 m	r=12.00 m	r=4.00 m
3.00 m	r=3.80 m	r=14.50 m	r=4.80 m
3.50 m	r=4.50 m	r=17.00 m	r=5.50 m
4.00 m	—	r=19.50 m	r=6.80 m
4.50 m	—	r=22.00 m	r=7.20 m
5.00 m	—	r=24.00 m	r=8.00 m

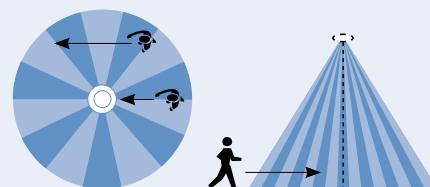
r=radius

### PD9-GH motion detector

Overview range in dependence from the mounting height	
Mounting height	Range (circular detection) T=18°C
	Walking across
5.00 m	Ø=3.00 m
6.00 m	Ø=3.50 m
7.00 m	Ø=4.20 m
8.00 m	Ø=4.80 m
9.00 m	Ø=5.40 m
10.00 m	Ø=6.00 m

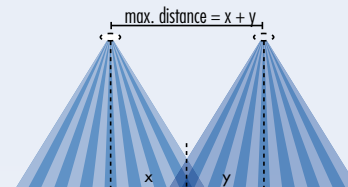
Ø=diameter

### Detector positioning



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

### Detector distance



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



### LUXOMAT® PD3N-1C-SM/-FC/-FM



Remote controllable



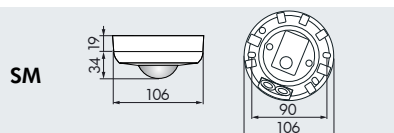
SM



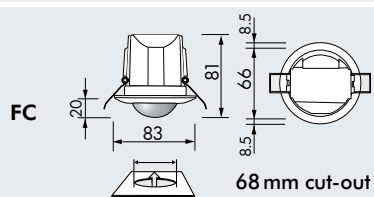
FC



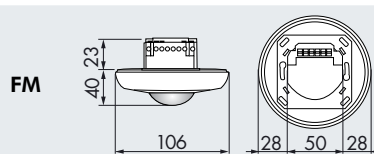
FM



SM



FC



FM

#### TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 10.00 m  
towards Ø 6.00 m
- SM = IP44; FC = IP23;  
FM = IP20 / Class II / CEE
- SM Ø 106 x H 53 mm  
FC Ø 83 x H 81 mm  
FM Ø 106 x H 63 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate

IR-PD3N, IR-PD-Mini

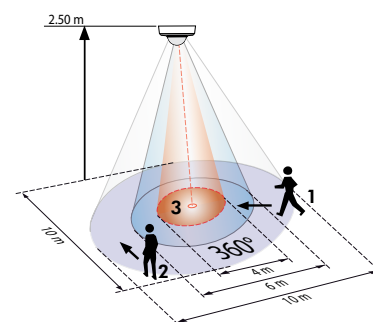
#### Channel 1 (Control the lighting)

- 2300 W,  $\cos \varphi = 1$ ;  
1150 VA,  $\cos \varphi = 0.5$
- 30 sec. - 30 min. or impulse
- 10 - 2000 Lux

- Remote controls on page 122, 126!
- Wiring diagrams on page 143 - 145!
- Application examples on page 160, 163, 174, 176!
- For maximum number of connectable lights, see page 22!
- Installation note - Arc extinction kit: on page 36!

#### PRODUCT INFORMATION

- Remote controllable ceiling-mounted motion detectors LUXOMAT® PD3N-1C in surface-mount, ceiling-mount and flush-mount version with circular detection area
- One channel to switch the lighting
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- Serial impulse function (gong)
- Typical applications:** monitoring of smaller areas like stairwells, private garages, galleries, wash rooms



- 1 Walking towards
- 2 Walking across
- 3 Smaller movements

#### ACCESSORY (OPTIONAL)

IR-PD3N



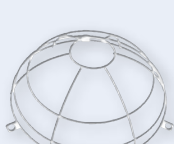
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket

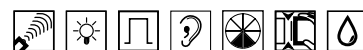


Blinds see page 36!

Arc extinction kit see page 36!

Description	Colour	Part number
PD3N-1C-SM	white	92190
PD3N-1C-FC	white	92196
PD3N-1C-FM	white	92186
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD3N	grey	92105
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199

### LUXOMAT® PD3N-1C-SM/-FC (Acoustic)



Remote controllable  
and with acoustic sensor

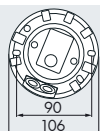
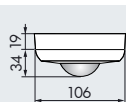


SM

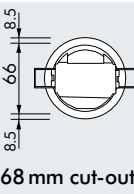
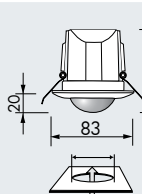


FC

SM



FC



68 mm cut-out

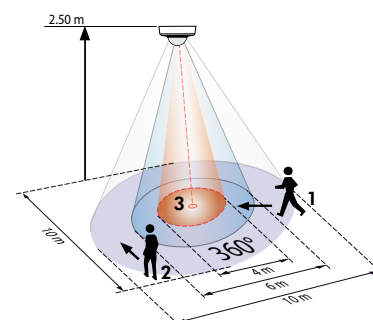
#### TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 10.00 m  
towards Ø 6.00 m
- SM = IP44; FC = IP23 / Class II / CE
- SM** Ø 106 x H 53 mm  
**FC** Ø 83 x H 81 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5
  - 30 sec. - 30 min. or impulse
  - 10 - 2000 Lux

- ▶ Remote controls on page 122, 126!
- ▶ Wiring diagrams on page 143 - 145!
- ▶ Application examples on page 160, 176!
- ▶ For maximum number of connectable lights, see page 22!
- ▶ Installation note - Arc extinction kit: on page 36!

#### PRODUCT INFORMATION

- Remote controllable ceiling-mounted motion detectors **LUXOMAT® PD3N-1C (Acoustic)** in surface-mount and ceiling-mount version with circular detection area
- One channel to switch the lighting
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- Serial impulse function (gong)
- Version with integrated acoustic sensor (micro version), can also cover persons who otherwise by the infrared radiation of the detector would not be recognized (e.g. in corners or behind walls)!
- **Typical applications:** monitoring of smaller areas like stairwells, private garages, galleries, wash rooms



- 1 Walking towards
- 2 Walking across
- 3 Smaller movements

#### ACCESSORY (OPTIONAL)

IR-PD3N



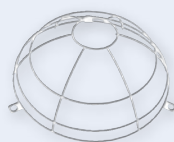
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket

Blinds  
see page 36!Arc extinction kit  
see page 36!

Description	Colour	Part number
PD3N-1C-SM Acoustic	white	92219
PD3N-1C-FC Acoustic	white	92184
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD3N	grey	92105
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199



### LUXOMAT® PD4N-1C-SM/-FC/-FM



For monitoring  
large areas



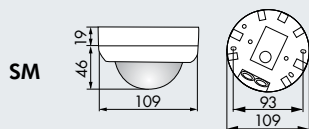
SM



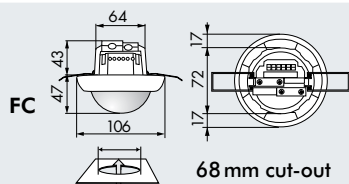
FC



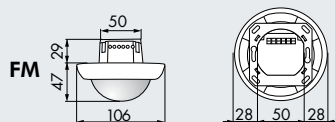
FM



SM



FC



FM

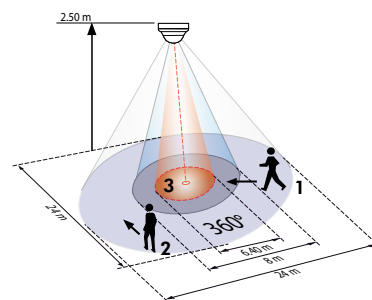
#### ■ TECHNICAL DATA

- ~ 230V~ ±10%
- 360°
- across Ø 24.00 m  
towards Ø 8.00 m
- IP SM = IP44; FC = IP23;  
FM = IP20 / Class II / C
- SM Ø 109 x H 65 mm  
FC Ø 106 x H 90 mm  
FM Ø 106 x H 76 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (Control the lighting)**
- 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0.5$
- 30 sec. - 30 min. or impulse
- 10 - 2000 Lux

- ▶ Remote controls on page 122, 126!
- ▶ Wiring diagrams on page 143 - 145!
- ▶ Application examples on page 172, 178!
- ▶ For maximum number of connectable lights, see page 22!
- ▶ Installation note - Arc extinction kit: on page 36!

#### i PRODUCT INFORMATION

- Remote controllable ceiling-mounted motion detectors LUXOMAT® PD4N-1C in surface-mount, ceiling-mount and flush-mount version with circular detection area and large range
- One channel to switch the lighting
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- Serial impulse function
- **Typical applications:** monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls



- 1 ■ Walking towards
- 2 ■ Walking across
- 3 ■ Smaller movements

#### ■ ACCESSORY (OPTIONAL)

IR-PD3N



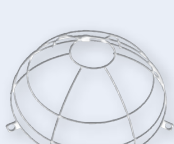
(to order  
separately)

IR-PD-Mini



(to order  
separately)

Wire basket



Blinds  
see page 36!



Arc extinction kit  
see page 36!

Description	Colour	Part number
PD4N-1C-SM	white	92144
PD4N-1C-FC	white	92149
PD4N-1C-FM	white	92151
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD3N	grey	92105
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199

## LUXOMAT® PD4N-1C-C-SM/-FC



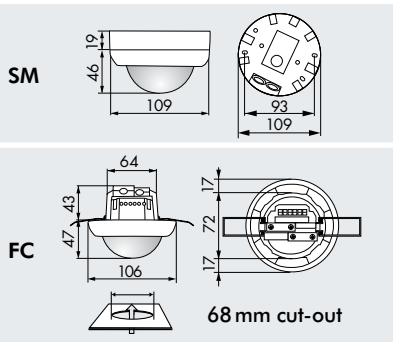
With narrow  
detection area



SM



FC



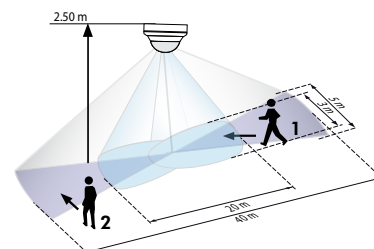
### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 40.00 m  
towards Ø 20.00 m
- SM = IP44; FC = IP23 / Class II / CE
- SM** Ø 109 x H 65 mm  
**FC** Ø 106 x H 90 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD3N, IR-PD-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cosφ = 1;  
1150 VA, cosφ = 0.5
  - 30 sec. - 30 min. or impulse
  - 10 - 2000 Lux

- ▶ Remote controls on page 122, 126!
- ▶ Wiring diagrams on page 143 - 145!
- ▶ For maximum number of connectable lights, see page 22!
- ▶ Installation note - Arc extinction kit: on page 36!

### i PRODUCT INFORMATION

- Remote controllable ceiling-mounted motion detectors LUXOMAT® PD4N-1C-C in surface-mount and ceiling-mount version with narrow detection area ideal for corridors
- One channel to switch the lighting
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- Serial impulse function
- **Typical applications:** monitoring of long corridors



- 1 Walking towards
- 2 Walking across

### ■ ACCESSORY (OPTIONAL)

IR-PD3N



(to order  
separately)

IR-PD-Mini



(to order  
separately)

Wire basket



Wall bracket



Blinds  
see page 36!



Arc extinction kit  
see page 36!

Description	Colour	Part number
PD4N-1C-C-SM	white	92270
PD4N-1C-C-FC	white	92274
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD3N	grey	92105
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199
Wall bracket for PD4N-1C-C-SM	white	92441

## LUXOMAT® PD9-DIGI-FC

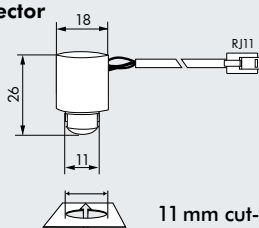


For installation in light fittings



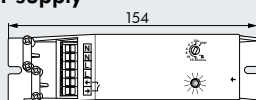
"Size comparison"

Detector



11 mm cut-out

Power supply



L 154 x W 40 x H 30 mm

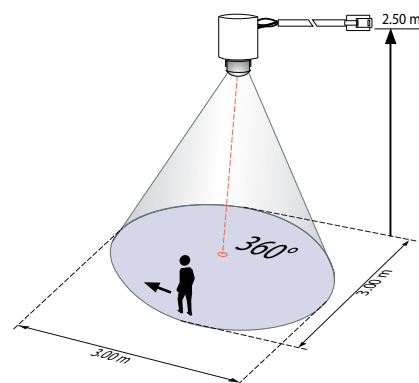
### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- max. Ø 3.00 m
- FC = IP20 / Class III / CEE
- Detector**  
Ø 18 x H 26 mm
- Power supply**  
L 154 x W 40 x H 30 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Channel 1 (Control the lighting)**
  - 1000 W, cos φ = 1;  
500 VA, cos φ = 0.5
  - 30 sec. - 30 min. or impulse

- ▶ Wiring diagrams on page 147!
- ▶ For maximum number of connectable lights, see page 22!
- ▶ Installation note - Arc extinction kit: on page 36!

### i PRODUCT INFORMATION

- Mini motion detector **LUXOMAT® PD9-DIGI-FC** designed specifically for installation in light fittings
- One channel to switch the lighting
- In spite of small dimensions it switches all types of light fixtures using high performance relay with inrush current limitation especially for electronic ballasts.
- Visible part of the detector is just Ø 11 x 3 mm
- Extremely small and compact
- Motion-dependent switching only
- No luminosity evaluation
- Install in a hole, approx. Ø 11 mm, in the outer ring of a light fitting
- Follow-up time: Can be adjusted manually on the power component via potentiometer
- **Typical applications:** for installation in fitted downlights



Arc extinction kit  
see page 36!

Description	Colour	Part number
PD9-DIGI-FC	—	92917

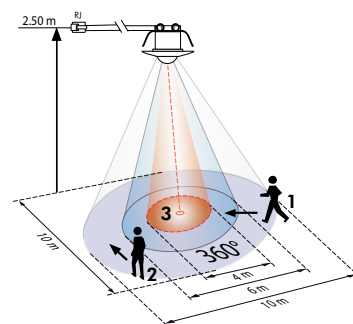


### LUXOMAT® PD9-1C-FC



#### PRODUCT INFORMATION

- One channel to switch the lighting
- In spite of small dimensions it switches all types of light fixtures using high performance relay with inrush current limitation especially for electronic ballasts.
- Settings of photo electric switch and follow-up time with potentiometers at the sensor supply!
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools



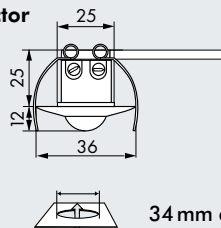
- 1 ■ Walking towards
- 2 ■ Walking across
- 3 ■ Smaller movements

Extreme small dimension



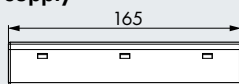
"Size comparison"

#### Detector



34 mm cut-out

#### Power supply



L 165 x W 24 x H 24 mm

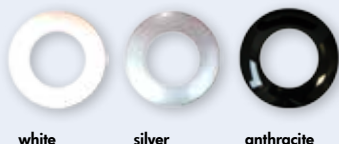
#### TECHNICAL DATA

- ~ 230 V~ ±10%
- 360°
- across Ø 10.00 m
- towards Ø 6.00 m
- IP □ FC = IP20 / Class II / CEE
- Detector**  
Ø 36 x H 37 mm
- Power supply**  
L 165 x W 24 x H 24 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Channel 1 (Control the lighting)**
- 1000 W, cos φ = 1;  
500 VA, cos φ = 0.5
- 30 sec. - 30 min. or impulse
- 10 - 2000 Lux

- ▶ Wiring diagrams on page 143 - 145!
- ▶ For maximum number of connectable lights, see page 22!
- ▶ Installation note - Arc extinction kit: on page 36!

#### ACCESSORY (OPTIONAL)

Cover ring for substitution



white

silver

anthracite



Blinds  
see page 36!



Arc extinction kit  
see page 36!

Description	Colour	Part number
PD9-1C-FC	white	92902
PD9-1C-FC	silver	92903
<b>Accessory (optional)</b>		
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

### LUXOMAT® PD9-1C-GH-FC

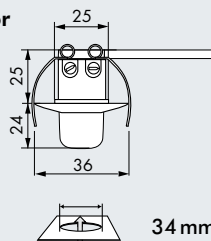


Suitably for high-bay warehouse



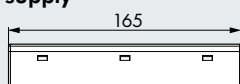
"Size comparison"

Detector



34 mm cut-out

Power supply



L 165 x W 24 x H 24 mm

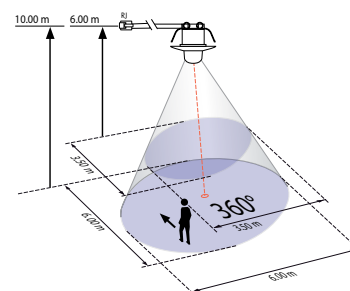
#### ■ TECHNICAL DATA

- ~ 230V~ ±10 %
- 360°
- max. Ø 6 m
- IP □ FC = IP20 / Class II / C €
- Detector**  
Ø 36 x H 49 mm
- Power supply**  
L 165 x W 24 x H 24 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Channel 1 (Control the lighting)**
  - 1000 W, cos φ = 1;
  - 500 VA, cos φ = 0.5
  - 30 sec. - 30 min. or impulse
  - 10 - 2000 Lux

- ▶ Wiring diagrams on page 143 - 145!
- ▶ For maximum number of connectable lights, see page 22!
- ▶ Installation note - Arc extinction kit: on page 36!

#### i PRODUCT INFORMATION

- One channel to switch the lighting
- Inspite of small dimensions it switches all types of light fixtures using high performance relay with in rush current limitation especially for electronic ballasts.
- Settings of photo electric switch and follow-up time with potentiometers at the sensor supply!
- Version with special lens und spring-clamps for quick, easy installation in lights or suspended ceilings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:**  
monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary



#### ■ ACCESSORY (OPTIONAL)

Cover ring for substitution



white

silver

anthracite



Blind  
see page 36!



Arc extinction kit  
see page 36!

Description	Colour	Part number
PD9-1C-GH-FC	white	92934
PD9-1C-GH-FC	silver	92935
<b>Accessory (optional)</b>		
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

### LUXOMAT® PD3N-2C-FC/-FM



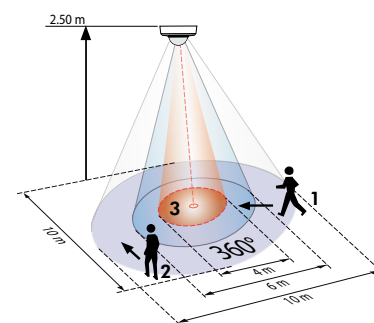
#### TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 10.00 m  
towards Ø 6.00 m
- FC = IP23; FM = IP20 / Class II / CE
- FC** Ø 83 x H 81 mm  
**FM** Ø 106 x H 63 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD3N-2C, IR-PD-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cosφ = 1;  
1150 VA, cosφ = 0.5
  - 30 sec. - 30 min. or impulse
  - 10 - 2000 Lux
- Channel 2 (Control devices)**
  - dry contact type NO,  
3 A, 230 V, cosφ = 1
  - 5 - 120 min.

- ▶ Remote controls on page 123, 126!
- ▶ Wiring diagrams on page 146!
- ▶ For maximum number of connectable lights, see page 22!
- ▶ Installation note - Arc extinction kit: on page 36!

#### PRODUCT INFORMATION

- Remote controllable ceiling-mounted motion detectors LUXOMAT® PD3N-2C in ceiling-mount and flush-mount version with circular detection area
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential free relay of the detector
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- Serial impulse function (gong)
- **Typical applications:**  
monitoring of smaller areas like stairwells, private garages, galleries, wash rooms



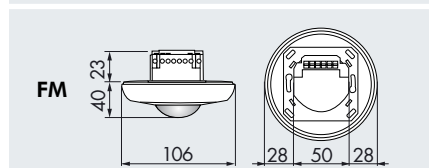
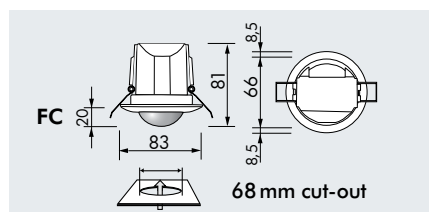
- 1 Walking towards
- 2 Walking across
- 3 Smaller movements



FC



FM



#### ACCESSORY (OPTIONAL)

IR-PD3N-2C



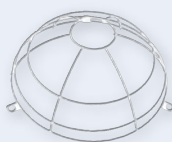
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket

Blinds  
see page 36!Arc extinction kit  
see page 36!

Description	Colour	Part number
PD3N-2C-FC	white	92198
PD3N-2C-FM	white	92188

#### Accessory (optional)

LUXOMAT® IR-PD3N-2C	grey	92115
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199

## LUXOMAT® PD3N-SM/-FC/-FM-ZW



Bidirectional



SM

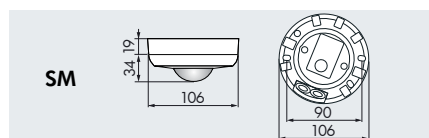
**NEW!**



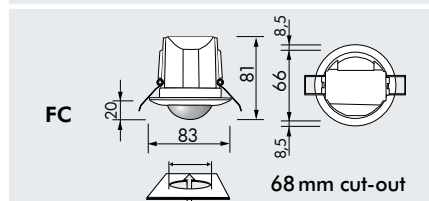
FC



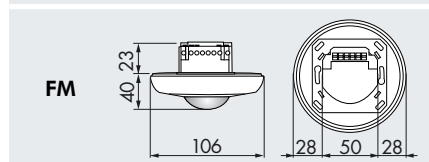
FM



SM



FC



FM

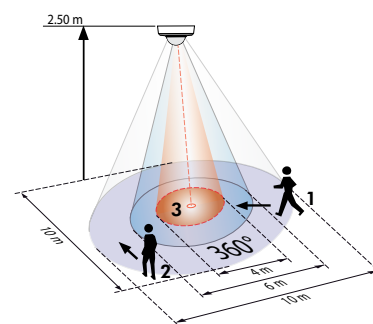
### ■ TECHNICAL DATA

- ~ 230V ~ ±10%
- ☉ 360°
- ↔ across Ø 10.00 m  
towards Ø 6.00 m
- IP □ SM = IP44; FC = IP23;  
FM = IP20 / Class II / CEE
- SM Ø 106 x H 53 mm  
FC Ø 83 x H 81 mm  
FM Ø 106 x H 63 mm
- 🌡 +15°C to +50°C
- ☐ Housing UV- and shock-resistant polycarbonate
- 📶 IR-SMARTHOME
- 📶 **Wireless channel**
- 868.42 MHz / < 10 mW  
Wireless range max. 100 m
- 🕒 30 sec. - 30 min.
- ☀ 10 - 2000 Lux

- ▶ For additional information about the wireless system, please request our SMARTHOME catalogue.
- ▶ Remote controls on page 124!

### ❗ PRODUCT INFORMATION

- Wireless motion detector LUXOMAT® PD3N-ZW in surface-mount, ceiling-mount and flush-mount version with circular detection area, which sends a wireless signal to a wireless receiver when a movement is detected or a preset twilight value is reached.
- Settings manually on the detector or with remote control IR-SMARTHOME
- **Typical applications:** monitoring of corridors, hobby rooms, garages



- 1 Walking towards
- 2 Walking across
- 3 Smaller movements

### ■ ACCESSORY (OPTIONAL)

IR-SMARTHOME

Wire basket

FM Receiver module

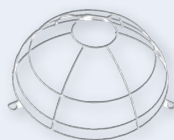
Socket receiver module

SM Receiver module

Repeater

Blinds  
see page 36!

(to order separately)



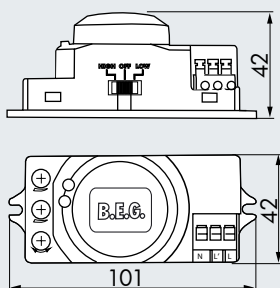
Description	Colour	Part number
PD3N-SM-ZW	white	92072
PD3N-FC-ZW	white	92071
PD3N-FM-ZW	white	92067
<b>Accessory (optional)</b>		
LUXOMAT® IR-SMARTHOME	grey	90162
Wire basket BSK	white	92199
A-FM-ZW	white	92805
A-ST-ZW	white	92817
A-SM-ZW	white	92807
Repeater ZW	white	92189



## LUXOMAT® HF-MD1



Radar



### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- max. Ø 0.4 - 8 m
- IP20 / Class II / Cc
- H 42 x W 42 x D 101 mm
- 15°C to +50°C
- Housing UV- and shock-resistant polycarbonate

#### Channel 1 (Control the lighting)

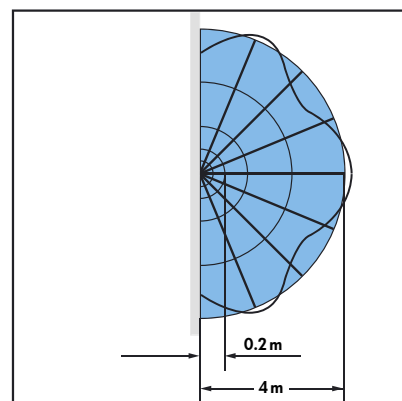
- 1200 W, cosφ = 1  
**HF-MD1** 5 sec. - 15 min.
- HF-MD1 ESL** (for use with fluorescent lamps)  
5 min. - 15 min.
- 2 - 2000 Lux
- 5.8 GHz, <10 mW

- ▶ Wiring diagrams on page 143!
- ▶ Almost the same range of frequency as in W-LAN n (5GHz) is used. The transmitter output of the sensor is less than 10mW, which is around 100 times less than the transmitter output of a mobile phone (GSM) or microwave.
- ▶ We recommend you to test your application area to check for external influences on the detection area.
- ▶ HF technology: detection through walls possible
- ▶ Please pay attention to the mounting informations in the manual.
- ▶ Information about our HF lights can be found in the lighting catalogue.

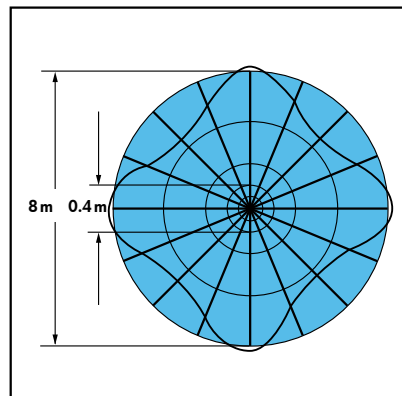
### i PRODUCT INFORMATION

- High-frequency motion detectors for invisible light switching specifically for flush mounting
- No light switches needed
- 360° resp. 160° detection area depending of the kind of installation for ceiling or wall
- Range, twilight value and follow up time are adjustable with potentiometer
- HF technology: 5.8 GHz – reacts to the smallest motion, independently of temperature
- Extremely short activation time
- Light only when needed
- **Typical applications:**  
installation in light fittings, dry lining boxes or behind wall or ceiling coverings with sufficient light detection for the light sensor

Wall mounting (Mounting height 2.20 m)



Ceiling mounting (Mounting height 2.50 m)



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

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

## LUXOMAT® HF-MD2-SM



Radar



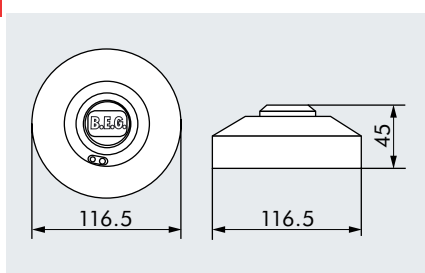
### ■ TECHNICAL DATA

	230V ~ ±10 %
	○ 360°
	max. Ø 0.4 - 8 m
	IP20 / Class II / CE
	Ø 117 x H 45 mm
	-15°C to +50°C
	Housing UV- and shock-resistant polycarbonate
<b>Channel 1 (Control the lighting)</b>	
	1200 W, cos φ = 1
	5 sec. - 15 min.
	2 - 2000 Lux
	5.8 GHz, <10 mW

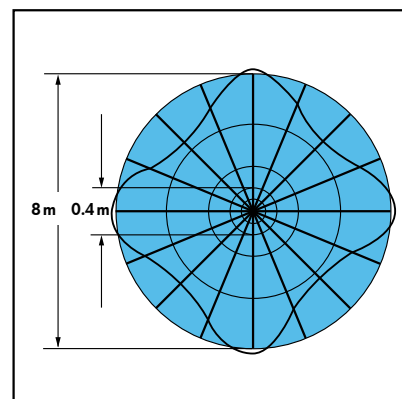
- ▶ Almost the same range of frequency as in W-LAN n (5GHz) is used. The transmitter output of the sensor is less than 10mW, which is around 100 times less than the transmitter output of a mobile phone (GSM) or microwave.
- ▶ We recommend you to test your application area to check for external influences on the detection area.
- ▶ HF technology: detection through walls possible
- ▶ Please pay attention to the mounting informations in the manual.
- ▶ Information about our HF lights can be found in the lighting catalogue.

### i PRODUCT INFORMATION

- High-frequency motion detectors for invisible light switching specifically for flush mounting
- No light switches needed
- 360° resp. 160° detection area depending of the kind of installation for ceiling or wall
- Range, twilight value and follow up time are adjustable with potentiometer
- HF technology: 5.8 GHz – reacts to the smallest motion, independently of temperature
- Extremely short activation time
- Light only when needed
- **Typical applications:** especially for uses without direct contact (can also detect through walls)



Ceiling mounting (Mounting height 2.50 m)



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

### ■ ACCESSORY (OPTIONAL)

Wire basket



Description	Colour	Part number
HF-MD2-SM	white	94402
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199

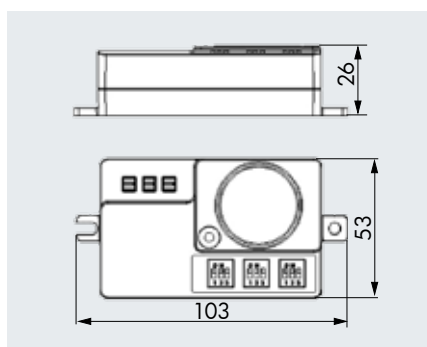
## LUXOMAT® HF-H-MD1 Standard



Radar



NEW!



### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- max. Ø 2 - 11 m
- IP20 / Class II / Cc
- H 26 x W 103 x D 53 mm
- 35°C to +70°C
- Housing UV- and shock-resistant polycarbonate

### Channel 1 (Control the lighting)

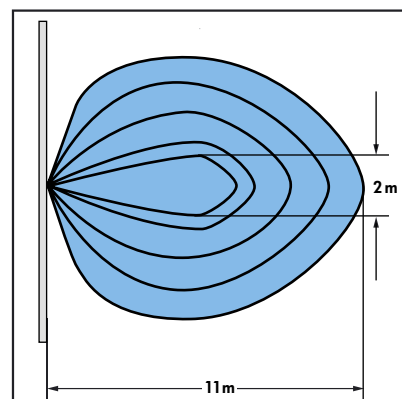
- 1000 W, cosφ = 1
- 5 sec. - 25 min.
- 2 - 30 Lux +
- 5.8 GHz, <10 mW

- ▶ Wiring diagrams on page 143!
- ▶ Almost the same range of frequency as in W-LAN n (5GHz) is used. The transmitter output of the sensor is less than 10mW, which is around 100 times less than the transmitter output of a mobile phone (GSM) or microwave.
- ▶ We recommend you to test your application area to check for external influences on the detection area.
- ▶ HF technology: detection through walls possible
- ▶ Please pay attention to the mounting informations in the manual.
- ▶ Information about our HF lights can be found in the lighting catalogue.

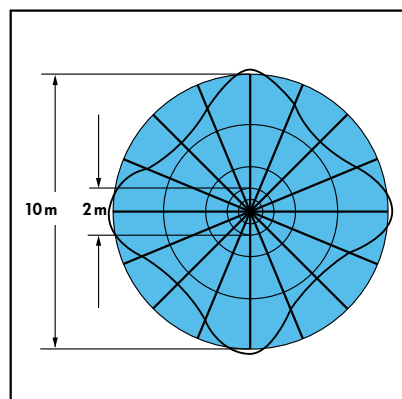
### i PRODUCT INFORMATION

- High-frequency motion detectors for invisible light switching specifically for flush mounting
- No light switches needed
- 360° resp. 160° detection area depending of the kind of installation for ceiling or wall
- Range, twilight value and follow up time are adjustable with DIP switches
- HF technology: 5.8 GHz – reacts to the smallest motion, independently of temperature
- Extremely short activation time
- Light only when needed
- **Typical applications:**  
installation in light fittings, dry lining boxes or behind wall or ceiling coverings with sufficient light detection for the light sensor

Wall mounting (Mounting height 2.20 m)



Ceiling mounting (Mounting height 2.50 m)



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

### Description

HF-H-MD1 Standard

### Colour

white

### Part number

94431

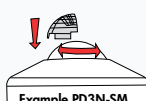
- Blinds ensure that the detectors' detection area is adapted to the local circumstances. Sources of interference or unwanted areas can be eliminated from the area subject to motion detection. Blinds are included with the product. More can be ordered, if needed.

#### Blinds for B.E.G. ceiling-mounted motion detectors

##### LUXOMAT® PD3N, PD2, PD4 – SM-version – Part nr. 92260



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



PD3N-SM with blinds

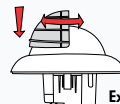


PD4-SM with blinds

##### LUXOMAT® PD4 – FC- and FM-version – Part nr. 32701



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

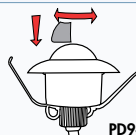


Example PD4-FM



PD4-FM with blinds

##### LUXOMAT® Mini motion detector PD9 – Part nr. 32702

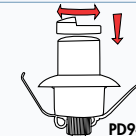


PD9-FC



PD9-FC with blinds

##### LUXOMAT® Mini motion detector PD9-GH for great heights – Part nr. 33207



PD9-GH-FC



PD9-GH-FC with blind

- Installation note - Arc extinction kit
  - In some cases of switching inductive loads e.g. relays, rockerswitches, fluorescent lamps, transformers etc, the motion detector may be retriggered again due to the high inductive voltage. In those cases the above kit is recommended to be switched parallel to the load i.e. between L' and Neutral.
  - Wiring diagrams on page 143!

#### Arc extinction kit for B.E.G. ceiling-mounted motion detectors

##### LUXOMAT® Arc extinction kit – Part nr. 10880



L 62 x W 39 x H 24 mm

##### LUXOMAT® Mini-Arc extinction kit – Part nr. 10882

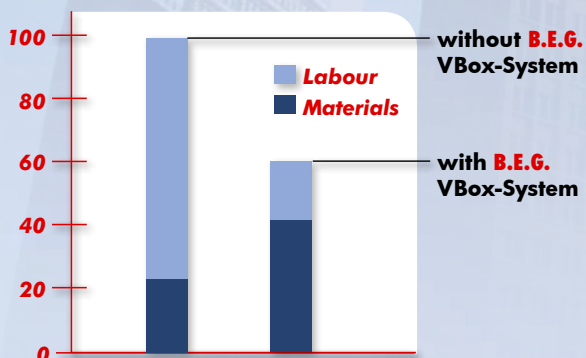


L 50 x W 22 x H 10 mm



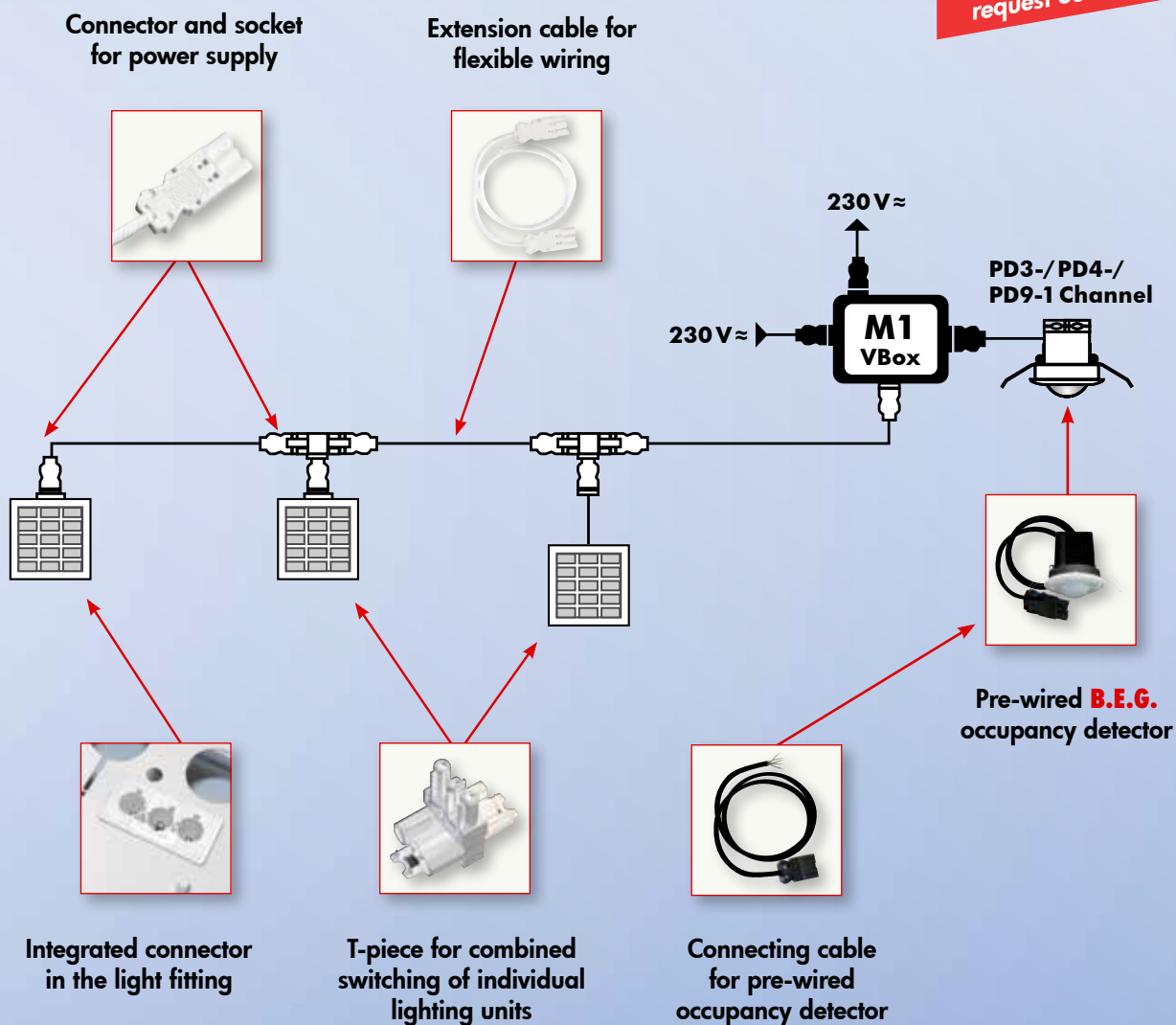
plug and play

## COST COMPARISON [in %]



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

For additional information, please request our VBox catalogue.



## Max. number of T 8 lights (f.ex. Osram)

	2000 W / 2300 W		1000 W	
	single flame	double flame	single flame	double flame
18 W	36	25	18	12
36 W	25	17	12	8
58 W	17	8	8	4

## Max. number of T 5 lights (f.ex. Osram)

	2000 W / 2300 W		1000 W	
	single flame	double flame	single flame	double flame
24 W	28	13	14	7
49 W	28	13	14	7
54 W	19	13	9	4
80 W	13	9	6	3

**Please note:** If using conventional or low-loss ballasts, we recommend using an additional quenching circuit (Part number 10880 or 10882).



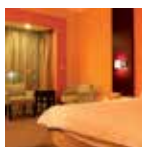
## Our approach for saving energy in buildings – LUXOMAT® occupancy detector for ceiling installation indoors



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



Corridors



Hotel rooms



Meeting rooms



Classrooms



Warehouses



Offices

### Motion detector / Occupancy detector

Seen historically, occupancy detectors used as light switches were originally only used for a building's outside lighting and were primarily used for security.

But for the past few years, occupancy detectors are also being used indoors in buildings for presence detection. Here they are referred to as occupancy detectors and are used to save energy and to increase security (Building Facility Management).






















There is little difference between motion detectors and occupancy detectors.

Physically they are based on the same infrared technology principle which they use to detect moving thermal sources.

The difference is merely the equipping of the technical parameters.

For instance, conventional occupancy detectors can measure the artificial light they measure, but the occupancy detectors equipped with blended light measurement (occupancy detectors) can.




The **B.E.G. LUXOMAT®** detectors are designed to meet your various needs. The PD2 for standard applications, the PD9 for discrete applications, the PD4 for larger areas and the PD5 for retrofitting existing lights.

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Switching with PD-DUO Master	58	 
Switching with PD-TRIO Master	59	 
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



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## SWITCHING WITH 1 OR 2-CHANNEL MASTER WITH DAYLIGHT APPRAISAL

Occupancy detector	Page				Clip	Daylight appraisal	Motion detection	Remote controllable	Range	Additional functions
PD2-M-1C	43	92550	92565	92555	—	■	■	■	Ø 10 m	—
PD4-M-1C	44	92580	92585	92575	—	■	■	■	Ø 24 m	—
PD4-M-1C-C	45	92587	92586	—	—	■	■	■	Ø 40 m	—
PD4-M-1C-C-PS	45	92485	92480	—	—	■	■	■	Ø 24 m	Additional NC contact
PD4-M-1C-GH	46	92245	—	—	—	■	■	■	Ø 44 m	High elevations
PD5-M-1C-Clip	47	—	—	—	92315	■	■	■	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-M-1C	91	—	92900 – white 92901 – Silver	—	—	■	■	■	Ø 10 m	Mini detector
PD9-M-1C-GH	49	—	92923 – white 92925 – Silver	—	—	■	■	■	Ø 6 m	High elevations
PD9-M-1C-SDB-IP65	50	—	92912 – white 92913 – Silver	—	—	■	■	■	Ø 10 m	Mini detector
PD9-M-1C-SDB-IP65-GH	51	—	92931 – white 92932 – Silver	—	—	■	■	■	Ø 6 m	High elevations
PICO-M-1C	52	—	92712	—	—	■	■	■	Ø 10 m	
PD1N-M-2C	53	92877	92874	92870	—	■	■	■	7,50 x 7,50 m	Square area
PD2-M-2C	54	92150	92165	92155	—	■	■	■	Ø 10 m	—
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-1C+HVAC	57	—	92976	—	—	■	■	■	Ø 10 m	with HVAC channel
PD4-M-2C-DUO	58	92158	92251	92252	—	■	■	■	Ø 24 m	DUO detector
PD4-M-3C-TRIO	59	92740	92745	—	—	■	■	■	Ø 24 m	TRIO detector




## DIMMING WITH 1 OR 2-CHANNEL MASTER WITH DAYLIGHT APPRAISAL

Occupancy detector	Page				Clip	Daylight appraisal	Motion detection	Remote controllable	Range	Additional functions
PD1N-M-DIM	60	92879	92876	92873	—	■	■	■	7,50 x 7,50 m	Square area
PD2-M-DIM	61	92153	92167	92157	—	■	■	■	Ø 10 m	—
PD4-M-DIM	62	92147	92247	92248	—	■	■	■	Ø 24 m	—
PD4-M-DIM-C	63	92218	92217	—	—	■	■	■	max. Ø 40 m	Corridor detector
PD5-M-DIM-Clip	64	—	—	—	92310	■	■	■	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-M-DIM	65	—	92910 – white 92911 – Silver	—	—	■	■	■	Ø 10 m	Mini detector
PD9-M-DIM-GH	66	—	92924 – white 92927 – Silver	—	—	■	■	■	Ø 6 m	High elevations
PD4-M-DIM-HVAC	67	—	92507	—	—	■	■	■	Ø 24 m	with HVAC channel
PD9-M-DIM-HVAC	68	—	92973	—	—	■	■	■	max. Ø 10 m	with HVAC channel
PD4-M-DUO-DIM	69	92271	92272	92273	—	■	■	■	Ø 24 m	DUO-Melder
PD4-M-TRIO-DIM	70	92730	92735	—	—	■	■	■	Ø 24 m	TRIO-Melder











## OCCUPANCY DETECTORS FOR DALI/DSI

Occupancy detector	Page				Clip	Daylight appraisal	Motion detection	Remote controllable	Range	Additional functions
PD2-M-DALI/DSI	71	92280	92258	—	—	■	■	■	Ø 10 m	—
PD4-M-DALI/DSI	73	92279	92275	—	—	■	■	■	Ø 24 m	—
PD4-M-DALI/DSI-K	73	92530	92328	—	—	■	■	■	max. Ø 40 m	Corridor detector
PD9-M-DALI/DSI	74	—	92920	—	—	■	■	■	Ø 10 m	Mini detector
PD9-M-DALI/DSI-GH	75	—	92938	—	—	■	■	■	Ø 6 m	High elevations
PD4-M-DUO-DALI/DSI	76	—	92276	—	—	■	■	■	Ø 24 m	DUO detector
PD4-M-TRIO-DALI	77	92750	92755	—	—	■	■	■	Ø 24 m	TRIO detector
PD2-M-DALI/DSI-1C	78	—	92486	—	—	■	■	■	Ø 10 m	with HVAC channel
PD4-M-DALI/DSI-1C	79	—	92488	—	—	■	■	■	Ø 24 m	with HVAC channel
PD4-M-TRIO-2DALI/DSI-1C	80	92751	92756	—	—	■	■	■	Ø 24 m	TRIO detector with HVAC channel




## INEXPENSIVE EXTENSION OF THE DETECTION AREA WITH SLAVE OCCUPANCY DETECTORS

Occupancy detector	Page				Clip	Daylight appraisal	Motion detection	Remote controllable	Range	Additional functions
PD1N-S	81	92878	92875	92872	—	—	■	—	7,50 x 7,50 m	Square area
PD2-S	82	92152	92166	92156	—	—	■	—	Ø 10 m	—
PD4-S	83	92142	92254	92163	—	—	■	—	Ø 24 m	—
PD4-S-C	84	92442	92444	92445	—	—	■	—	max. Ø 40 m	Corridor detector
PD4-S-GH	85	92265	—	—	—	—	■	—	Ø 44 m	High elevations
PD5-S	86	—	—	—	92316	—	■	—	Ø 10 m	For T8 and T5 fluorescent lamps
PD9-S	87	—	92905 – white 92906 – Silver	—	—	—	■	—	Ø 10 m	Mini detector
PD9-S-GH	88	—	92928 – white 92929 – Silver	—	—	—	■	—	Ø 6 m	High elevations
PD9-S-SDB	50	—	92915	—	—	—	■	—	Ø 10 m	Mini detector
PD9-S-SDB-GH	51	—	92933	—	—	—	■	—	Ø 6 m	High elevations
PICO-S	89	—	92700	—	—	—	■	—	Ø 10 m	—




## 11-48 V OCCUPANCY DETECTORS

Occupancy detector	Page				Clip	Daylight appraisal	Motion detection	Remote controllable	Range	Additional functions
PD2-M-2C-11-48V-3A	90	92154	92164	—	—	■	■	■	Ø 24 m	3 A version
PD2-M-2C-11-48V-RR	90	92305	92306	—	—	■	■	■	Ø 24 m	with reed relay
PD9-1C-12-48V-FC	91	—	92985	—	—	■	■	■	Ø 10 m	Mini detector

## OCCUPANCY DETECTORS FOR KNX BUS FOR SWITCHING OR DIMMING

Occupancy detector	Page				Clip	Daylight appraisal	Motion detection	Remote controllable	Range	Additional functions
PD1N-KNX	92	—	92508	—	—	■	■	—	r = 7,50 x 7,50 m	Square area
PD2-DIM-KNX/EIB	93	92430	92431	92432	—	■	■	—	Ø 10 m	For dimming
PD4-DIM-KNX/EIB	94	92433	92434	92435	—	■	■	—	Ø 24 m	For dimming
PD4-DIM-KNX/EIB-GH	95	92454	—	—	—	■	■	—	Ø 44 m	High elevations
PD4-DIM-KNX/EIB-K	96	92461	92456	92459	—	■	■	—	max. Ø 40 m	For dimming
PD9-DIM-KNX/EIB	97	—	92437	—	—	■	■	—	Ø 10 m	For dimming
PD9-DIM-KNX/EIB-GH-DE	98	—	92438	—	—	■	■	—	Ø 6 m	High elevations
PD11-KNX-FLAT	99	—	92568	—	—	■	■	—	Ø 8 m	For dimming

## OCCUPANCY DETECTORS FOR LON BUS

Occupancy detector	Page				Clip	Daylight appraisal	Motion detection	Remote controllable	Range	Additional functions
PD2-LON	100	92300	92301	—	—	■	■	■	Ø 10 m	—
PD9-LON	101	—	92930	—	—	■	■	■	Ø 10 m	Mini detector



## ■ PRACTICAL TIPS

**General:**

- ▶ In contrast to outdoor motion detectors the lighting is also switched off when sufficient daylight is present thanks to the advanced measurement of mixed light (occupancy detector principle).
- ▶ Do not install detectors near air conditioning units and heaters.
- ▶ Install them a suitable distance away from any light fitting, as the light fitting is also a source of heat and its temperature can influence the detector.
- ▶ Alarm pulse: The detector only switches once at least 3 movements have been registered within the space of 10 sec.

**Master occupancy detectors:**

- ▶ Master devices should not be operated in parallel – extend the detection area using inexpensive SLAVE devices.
- ▶ As the light controller, the Master device should always be positioned at the darkest point in the room.

**Master 2-channel occupancy detectors:**

- ▶ Time delay of 5 min. for lag times > 15 min. with channel 2.
- ▶ In automatic mode, artificial lighting is switched off when sufficient daylight is present in order to save energy.

**DIM and DALI occupancy detectors:**

- ▶ Inexpensive and easy creation of a constant light control circuit with dimming version – parameterisation via remote control.
- ▶ For DIM devices, the installation location is the reference for the lighting level. Installation must be planned so that only the artificial light controlled by the DIM detector is detected.

**DUO occupancy detectors:**

- ▶ Detect the presence of people based on the smallest of movements for two common pools of light. Independently of one another, the two directional light sensors simultaneously measure the luminosity in two different zones of the room (e.g. the zone near the window/ the zone away from the window) and compare these values with the two specified luminosity switching values.
- ▶ As with the DIM device, there are two switch channels but no light control or separate pushbutton for each pool of light.
- ▶ Two dimmer channels dim and switch the lighting on when people are present and there is insufficient luminosity, and switch the lighting off when people are not present or there is sufficient luminosity.

- ▶ Manual dimming of the light with a common pushbutton.
- ▶ Light is controlled by each sensor independently of the other.
- ▶ Separate or common parameterisation for both switch channels performed manually or via remote control.

**TRIO occupancy detectors:**

- ▶ In addition to the function of a DUO occupancy detector, TRIO occupancy detectors have a third output. This can be used to control an additional pool of light (board area) as an option.

**Corridor occupancy detectors:**

- ▶ The long range of 20 m on either side can only be achieved on one axis, which should be identical to the corridor axis.
- ▶ Important: Following installation, the lens should be lined up again with the outer marking. If incorrectly aligned, the optimum range cannot be achieved.
- ▶ If the angle from this axis is  $\pm 80^\circ$ , the standard PD4 range applies.

**PD9 occupancy detector:**

- ▶ Due to the smaller dimensions of the lens, the volumetric sensitivity of this occupancy detector is less than that of series PD1N through PD5, because the PD9 has fewer lens segments.

## ■ OVERVIEW RANGES

**PD1N occupancy detector**

Overview range in dependence from the mounting height		
Mounting height	Range (square) T=18°C	
	Seated activity	Walking across
2.00 m	(3.10 x 3.10) m <sup>2</sup>	–
2.50 m	(4.20 x 4.20) m <sup>2</sup>	(7.50 x 7.50) m <sup>2</sup>
3.00 m	(6.10 x 6.10) m <sup>2</sup>	(8.90 x 8.90) m <sup>2</sup>
3.50 m	(7.50 x 7.50) m <sup>2</sup>	(10.50 x 10.50) m <sup>2</sup>
4.00 m		(11.50 x 11.50) m <sup>2</sup>
4.50 m		(13.40 x 13.40) m <sup>2</sup>

**PD4 occupancy detector**

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

r=radius

**PD9-GH occupancy detector**

Overview range in dependence from the mounting height	
Mounting height	Range (circular detection) T=18°C
	Walking across
5.00 m	Ø=3.00 m
6.00 m	Ø=3.50 m
7.00 m	Ø=4.20 m
8.00 m	Ø=4.80 m
9.00 m	Ø=5.40 m
10.00 m	Ø=6.00 m

Ø=diameter

**PD2 and PD9 occupancy detectors**

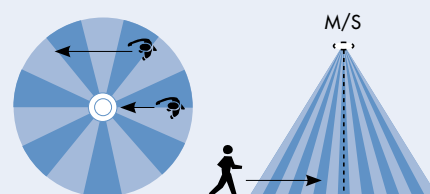
Overview range in dependence from the mounting height			
Mounting height	Range (circular detection) T=18°C		
	Seated activity	Walking across	Walking towards
2.00 m	r=1.60 m	r=4.00 m	r=2.50 m
2.50 m	r=2.00 m	r=5.00 m	r=3.00 m
3.00 m	r=2.40 m	r=6.00 m	r=3.70 m
3.50 m	–	r=7.00 m	r=4.30 m
4.00 m	–	r=8.00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

r=radius

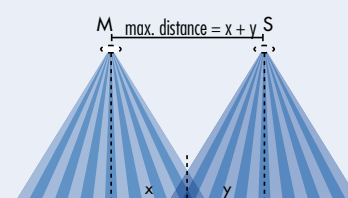
**PD4-GH occupancy detector**

Overview range in dependence from the mounting height		
Mounting height	Range (oval detection) T=17°C	
	Walking across	
5.00 m	r=18.50 m	Ø=37.00 m
6.00 m	r=18.50 m	Ø=37.00 m
7.00 m	r=18.50 m	Ø=37.00 m
8.00 m	r=22.00 m	Ø=44.00 m
9.00 m	r=22.00 m	Ø=44.00 m
10.00 m	r=22.00 m	Ø=44.00 m

r=radius / 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® PD2-M-1C-SM/-FC/-FM



#### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- SM/FC/FM = IP20 / Class II / Cc
- SM Ø 98 x H 50 mm
- FC Ø 80 x H 84.5 mm
- FM Ø 98 x H 65 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-1C, IR-PD-Mini

#### Channel 1 (Control the lighting)

- 2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5
- 15 sec. - 30 min. or impulse
- 10 - 2000 Lux

- ▶ Remote controls on page 126, 127!
- ▶ Wiring diagrams on page 148!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

#### i PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD2-M-1C as Master version for surface, false ceiling and flush mounting with circular detection area
- One channel to switch the lighting (potential-free)
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Serial impulse function
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



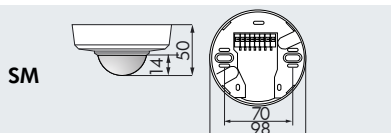
SM



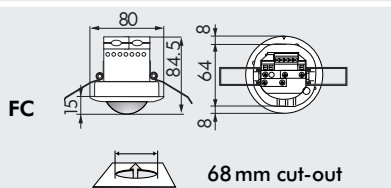
FC



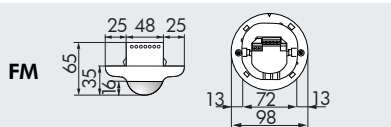
FM



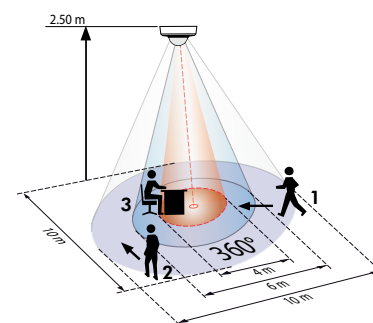
SM



FC



FM



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

#### ■ ACCESSORY (OPTIONAL)

IR-PD-1C



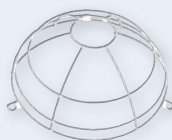
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



Socket IP54


 Blinds  
see page 102!

 Arc extinction kit  
see page 102!

 Slaves PD2-S  
see page 82!

Description	Colour	Part number
PD2-M-1C-SM	white	92550
PD2-M-1C-FC	white	92565
PD2-M-1C-FM	white	92555
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
LUXOMAT® IR-PD-1C	grey	92520
LUXOMAT® IR-PD-Mini	grey	92159
Socket IP54	white	92161

## LUXOMAT® PD4-M-1C-SM/-FC/-FM



For monitoring  
large areas



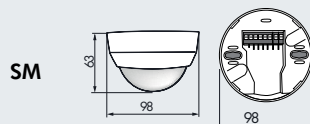
SM



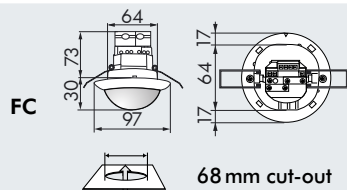
FC



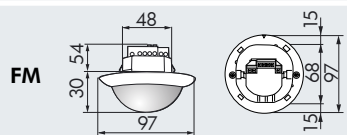
FM



SM



FC



FM

### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- SM/FC/FM = IP20 / Class II / CE
- SM Ø 98 x H 65 mm
- FC Ø 97 x H 103 mm
- FM Ø 97 x H 84 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-1C, IR-PD-Mini

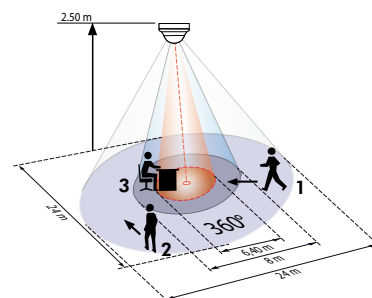
### Channel 1 (Control the lighting)

- 2300 W, cosφ = 1;
- 1150 VA, cosφ = 0.5
- 15 sec. - 30 min. or impulse
- 10 - 2000 Lux

- ▶ Remote controls on page 126, 127!
- ▶ Wiring diagrams on page 148!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ■ PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-1C as Master version for surface, false ceiling and flush mounting with circular detection area
- One channel to switch the lighting (potential-free)
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Serial impulse function
- **Typical applications:** monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ■ ACCESSORY (OPTIONAL)

IR-PD-1C



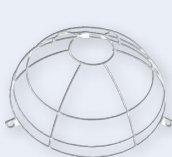
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



Socket IP54



SM-Socket IP65



Blinds  
see page 102!



Arc extinction kit  
see page 102!



Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-1C-SM	white	92580
PD4-M-1C-FC	white	92585
PD4-M-1C-FM	white	92575
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
LUXOMAT® IR-PD-1C	grey	92520
LUXOMAT® IR-PD-Mini	grey	92159
Socket IP54 for PD4-SM	white	92161
SM-Socket IP65 for PD4-SM (IP20)	white	92375



## LUXOMAT® PD4-M-1C-C-SM/-FC



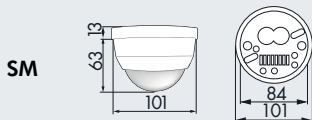
Positive security,  
with narrow detection area



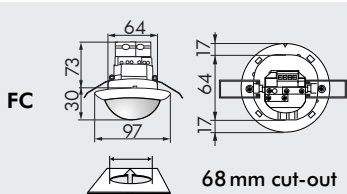
SM



FC



SM



FC

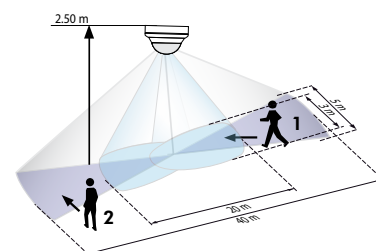
### TECHNICAL DATA

- 230 V~ ±10 %
- 360°
- across Ø 40.00 m  
towards Ø 20.00 m
- SM = IP54; FC = IP20 / Class II / Cc
- SM** Ø 101 x H 76 mm  
**FC** Ø 97 x H 103 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-1C, IR-PD-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5
  - 15 sec. - 30 min. or impulse
  - 10 - 2000 Lux

- ▶ Remote controls on page 126, 127!
- ▶ Wiring diagrams on page 148!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!
- ▶ Remains as a special solution with an NC contact that guarantees a total failure of the alarm that the contact is closed and turned a possibly connected lights permanently.

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-1C-C for surface and false ceiling mounting with narrow detection area ideal for corridors
- Equipped with an NC contact. In the event of total failure of the detector, this ensures that the contact is closed and any connected lighting remains permanently switched on.
- Self-monitoring, i.e. the main functions are continuously checked.
- One channel to switch the lighting
- Switching for all types of light fixtures by high performance relay
- Optical system, designed for highest sensitivity
- Serial impulse function
- **Typical applications:** monitoring of long corridors



- 1 Walking towards
- 2 Walking across

### ACCESSORY (OPTIONAL)

IR-PD-1C



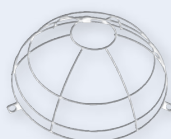
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



SM-Socket IP65



Blinds  
see page 102!



Arc extinction kit  
see page 102!



Slaves PD4-S-C  
see page 84!

Description	Colour	Part number
PD4-M-1C-C-SM	white	92587
PD4-M-1C-C-FC	white	92586
PD4-M-1C-C-PS-SM	white	92485
PD4-M-1C-C-PS-FC	white	92480
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-1C	grey	92520
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199
SM-Socket IP65 for PD4-SM (IP54)	white	92376

## LUXOMAT® PD4-M-1C-GH-SM

Suitably for high-bay storages



### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-1C-GH-SM as Master version for surface mounting with oval detection area and a range up to 44m ideal for high-bay storages
- One channel to switch the lighting (potential-free)
- Switching for all types of light fixtures by high performance relay with limitation of switch current for EBs
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- The product is programmed for immediate use
- Switch on and off of the lighting plus adjustments with remote control LUXOMAT® IR-PD4-GH
- **Typical applications:** monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary

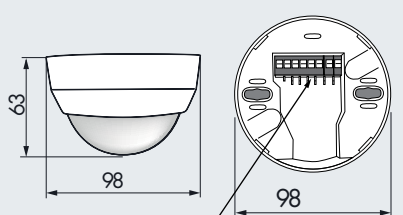
### TECHNICAL DATA

- ~ 230V~ ±10%
- 360°
- across Ø 44.00 m
- SM = IP20 / Class II / CEE
- SM Ø 98 x H 65 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD4-GH, IR-PD-Mini

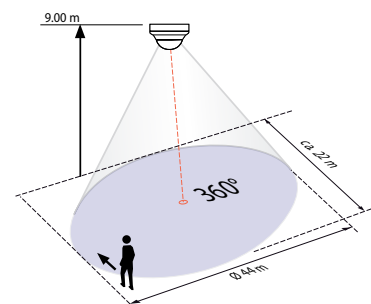
#### Channel 1 (Control the lighting)

- 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0.5$
- 15 sec. - 30 min. or impulse
- 10 - 2000 Lux

- ▶ Remote controls on page 129, 126!
- ▶ Wiring diagrams on page 148!
- ▶ Application examples on page 178!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!



With jumper = switched live (L'),  
Without jumper = potential-free



### ACCESSORY (OPTIONAL)

IR-PD4-GH



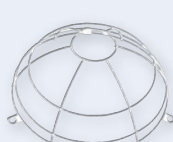
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



Socket IP54



SM-Socket IP65



Blinds  
see page 102!

Arc extinction kit  
see page 102!

Slaves PD4-S-GH  
see page 85!

Description	Colour	Part number
PD4-M-1C-GH-SM	white	92245
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD4-GH	grey	92215
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199
Socket IP54	white	92161
SM-Socket IP65 for PD4-SM (IP20)	white	92375

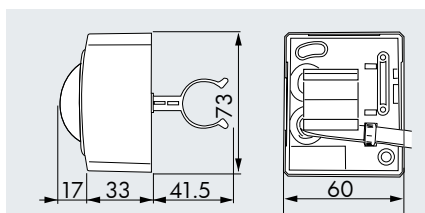
### LUXOMAT® PD5-M-1C-Clip



To clip on T5- and T8-fluorescent tubes



Clip



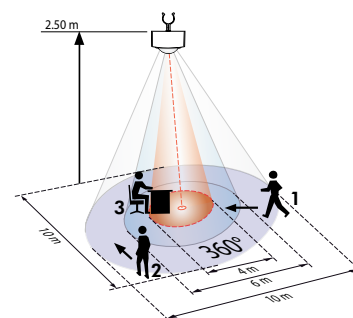
#### TECHNICAL DATA

- 230 V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- IP20 / Class II / Cc
- L 91.5 x W 60 x H 73 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD, IR-PD-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cosφ = 1;
  - 1150 VA, cosφ = 0.5
  - 15 sec. - 30 min. or impulse
  - 10 - 2000 Lux

- ▶ Remote controls on page 126, 125!
- ▶ Wiring diagrams on page 147!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

#### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD5-M-1C-Clip as Master version with circular detection area to clip on T5- and T8-fluorescent tubes
- One channel to switch the lighting
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Many programmes adjustable with the remote control LUXOMAT® IR-PD
- **Typical applications:** offices, production halls, virtually any place where suspended light strips are used



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

#### ACCESSORY (OPTIONAL)

IR-PD



(to order separately)

IR-PD-Mini



(to order separately)



Arc extinction kit  
see page 102!



Slaves PD5-S-Clip  
see page 86!

Description	Colour	Part number
PD5-M-1C-Clip	white	92315
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD	grey	92160
LUXOMAT® IR-PD-Mini	grey	92159



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD9-M-1C-FC

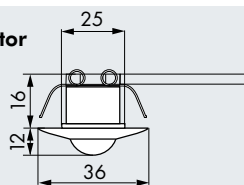


Extreme small dimension



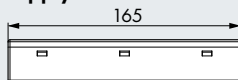
"Size comparison"

Detector



34 mm cut-out

Power supply



L 165 x W 24 x H 24 mm

### TECHNICAL DATA

- ~ 230V ~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- IP □ FC = IP20 / Class II / C €

**Detector**  
Ø 36 x H 28 mm  
**Power supply**  
L 165 x W 24 x H 24 mm

-25°C to +50°C

Housing UV- and shock-resistant polycarbonate

IR-PD-1C, IR-PD-Mini

#### Channel 1 (Control the lighting)

Can only be set via remote control

2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5

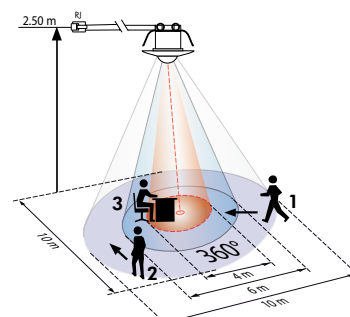
5 min. - 30 min. or impulse

10 - 2000 Lux

### PRODUCT INFORMATION

- Remote controllable mini-occupancy detector for inside use LUXOMAT® PD9-M-1C-FC as Master version with circular detection area
- One channel to switch the lighting
- In spite of small dimensions it switches all types of light fixtures using high performance relay with inrush current limitation especially for electronic ballasts.
- The product is programmed for immediate use
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-1C (accessory)
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools

- ▶ Remote controls on page 127, 126!
- ▶ Wiring diagrams on page 147!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ACCESSORY (OPTIONAL)

IR-PD-1C



(to order separately)

IR-PD-Mini



(to order separately)

Cover rings for substitution



white



silver



anthracite



Blinds  
see page 102!



Arc extinction kit  
see page 102!



Slaves PD9-S  
see page 87!

Description	Colour	Part number
PD9-M-1C-FC	white	92900
PD9-M-1C-FC	silver	92901
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-1C	grey	92520
LUXOMAT® IR-PD-Mini	grey	92159
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235



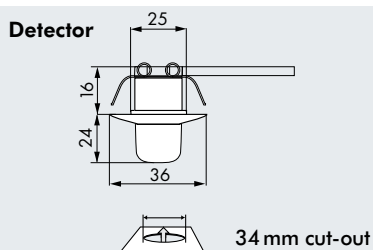
## LUXOMAT® PD9-M-1C-GH-FC



Suitably for high-bay storages



"Size comparison"



Power supply



L 165 x W 24 x H 24 mm

### ■ TECHNICAL DATA

- ~ 230V~ ±10%
- 360°
- max. Ø 6 m
- IP □ FC = IP20 / Class II / CEE

#### Detector

Ø 36 x H 40 mm

#### Power supply

L 165 x W 24 x H 24 mm

-25°C to +50°C

Housing UV- and shock-resistant polycarbonate

IR-PD-1C, IR-PD-Mini

#### Channel 1 (Control the lighting)

Can only be set via remote control

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

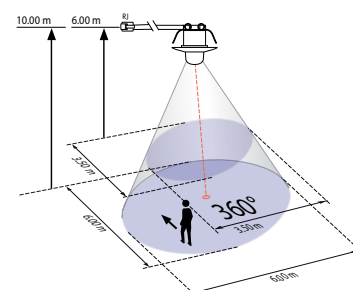
5 min. - 30 min. or impulse

10 - 2000 Lux

- ▶ Remote controls on page 127, 126!
- ▶ Wiring diagrams on page 147!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ■ PRODUCT INFORMATION

- Remote controllable mini-occupancy detector for inside use LUXOMAT® PD9-M-1C-GH-FC as Master version with circular detection area and a range up to e.g. 6 m ideal for high-bay storages
- One channel to switch the lighting
- In spite of small dimensions it switches all types of light fixtures using high performance relay with in rush current limitation especially for electronic ballasts.
- The product is programmed for immediate use
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-1C (accessory)
- Version with special lens and spring-clamps for quick, easy installation in lights or suspended ceilings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:** monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary



### ■ ACCESSORY (OPTIONAL)

IR-PD-1C



(to order separately)

IR-PD-Mini



(to order separately)

Cover rings for substitution



white

silver

anthracite

Blinds  
see page 102!

Arc extinction kit  
see page 102!

Slaves PD9-S-GH  
see page 88!

Description	Colour	Part number
PD9-M-1C-GH-FC	white	92923
PD9-M-1C-GH-FC	silver	92925
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-1C	grey	92520
LUXOMAT® IR-PD-Mini	grey	92159
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

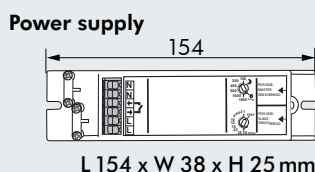
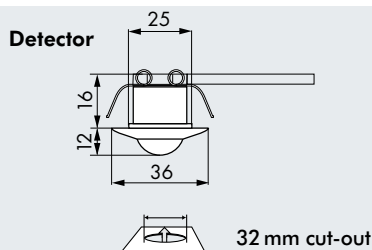
## LUXOMAT® PD9-M-1C-SDB-IP65-FC



Protection IP65 for  
moisture proof applications



"Size comparison"



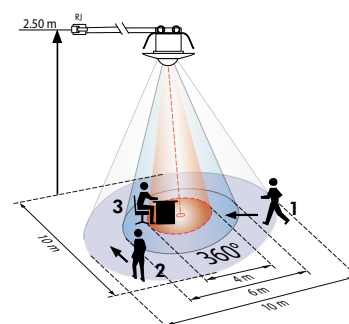
### ■ TECHNICAL DATA

- ~ 230V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- Detector** IP65 / Class III / CEE
- Power supply** IP20 / Class II / CEE
- Detector** Ø 36 x H 28 mm
- Power supply** L 154 x W 38 x H 25 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD9, IR-PD-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cos φ = 1;
  - 1150 VA, cos φ = 0.5
  - 15 sec. - 30 min.
  - 10 - 2000 Lux

- ▶ Remote controls on page 131, 126!
- ▶ Wiring diagrams on page 147!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ■ PRODUCT INFORMATION

- Remote controllable mini-occupancy detector for inside use LUXOMAT® PD9-M-1C-SDB-IP65-FC as Master version with circular detection area
- One channel to switch the lighting (potential-free)
- The connection of one Slave for reasonable extension is possible!
- In spite of small dimensions it switches all types of light fixtures using high performance relay with in rush current limitation especially for electronic ballasts.
- Many programmes adjustable with the remote control LUXOMAT® IR-PD9 (accessory)
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- **Typical applications:** bathrooms, shower cubicle, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ■ ACCESSORY (OPTIONAL)

IR-PD9



(to order separately)

IR-PD-Mini



(to order separately)

PD9-S-SDB-FC



Blinds  
see page 102!



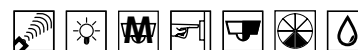
Arc extinction kit  
see page 102!



Slaves PD9-S-SDB  
see page 50!

Description	Colour	Part number
PD9-M-1C-SDB-IP65-FC	white	92912
PD9-M-1C-SDB-IP65-FC	silver	92913
PD9-S-SDB-FC (only sensor part, cable length 3 m)	white	92915
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD9	grey	92201
LUXOMAT® IR-PD-Mini	grey	92159

## LUXOMAT® PD9-M-1C-SDB-IP65-GH-FC



### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- max. Ø 6 mm
- Detector** IP65 / Class III / CEE
- Power supply** IP20 / Class II / CEE
- Detector** Ø 36 x H 40 mm
- Power supply** L 154 x W 38 x H 25 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD9, IR-PD-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5
  - 15 sec. - 30 min.
  - 10 - 2000 Lux

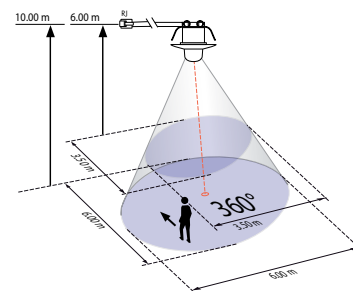
### ❗ PRODUCT INFORMATION

- Remote controllable mini-occupancy detector for inside use LUXOMAT® PD9-M-1C-SDB-IP65-GH-FC as Master version with circular detection area and a range up to e.g. 6m ideal for high-bay storages
- One channel to switch the lighting (potential-free)
- The connection of one Slave for reasonable extension is possible!
- In spite of small dimensions it switches all types of light fixtures using high performance relay with in rush current limitation especially for electronic ballasts.
- Many programmes adjustable with the remote control LUXOMAT® IR-PD9 (accessory)
- Version with special lens and spring-clamps for quick, easy installation in lights or suspended ceilings
- **Typical applications:** bathrooms, shower cubicle, hospitals



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

- ▶ Remote controls on page 131, 126!
- ▶ Wiring diagrams on page 147!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!



### ■ ACCESSORY (OPTIONAL)

IR-PD9



(to order separately)

IR-PD-Mini



(to order separately)

PD9-S-SDB-GH-FC

Blinds  
see page 102!Arc extinction kit  
see page 102!Slaves PD9-S-SDB-GH  
see page 51!

Description	Colour	Part number
PD9-M-1C-SDB-IP65-GH-FC	white	92931
PD9-M-1C-SDB-IP65-GH-FC	silver	92932
PD9-S-SDB-GH-FC (only sensor part, cable length 3 m)	white	92933
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD9	grey	92201
LUXOMAT® IR-PD-Mini	grey	92159

## LUXOMAT® PICO-M-1C-FC



Extreme small dimension

IP 65



FC



"Size comparison"

**NEW!**

### ■ TECHNICAL DATA

	230V~ ±10%
	○ 360°
	seated Ø 4.00 m
	across Ø 10.00 m
	frontal Ø 6.00 m
	FC = IP65 / Class II / CEE
	Ø33 x H60mm
	-25°C to +50°C
	Housing UV- and shockresistant polycarbonate
	IR-PD-1C

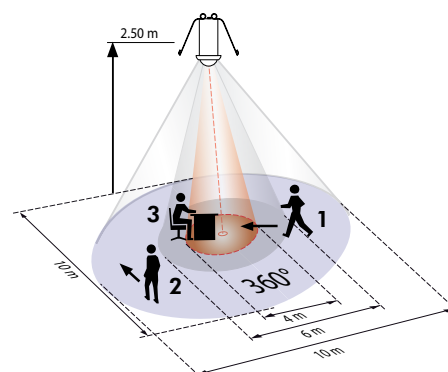
### Channel 1 (Control the lighting)

	2300 W, $\cos\varphi = 1$ ; 1500 VA, $\cos\varphi = 0.5$
	5 Min - 30 Min. or impulse
	10 - 2000 Lux

- ▶ Remote controls on page 127!
- ▶ Wiring diagrams on page 147!
- ▶ For maximum number of connectable lights, see page 38!

### ■ PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PICO-M-1C-FC as Master version for surface, false ceiling and flush mounting with circular detection area
- One channel to switch the lighting
- In spite of small dimensions it switches all types of light fixtures using high performance relay with inrush current limitation especially for electronic ballasts.
- The product is programmed for immediate use
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-1C (accessory)
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Without additional power supply
- For installation in luminaires with clamping ring or with spring clamps for ceiling mounting
- Cable length 1,5 m
- **Typical applications:**  
Offices, conference rooms, hospitals, galleries, nursery schools



- 1 walking towards
- 2 walking across
- 3 seated

### ■ ACCESSORY (OPTIONAL)

IR-PD-1C



(to order separately)

Slaves PICO-S see page 89!

Description	Colour	Part number
PICO-M-1C-FT	white	92712
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-1C	grey	92520



## LUXOMAT® PD1N-M-2C-SM/-FC/-FM



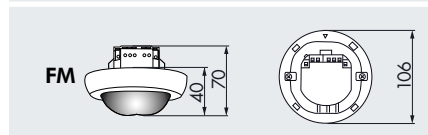
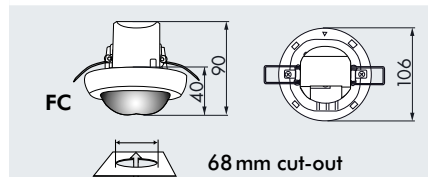
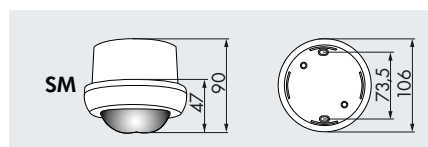
SM



FC



FM



### ■ TECHNICAL DATA

- ~ 230V~ ±10%
- ☒ 4 x 90°
- seated 4.20 x 4.20 m
- across 7.50 x 7.50 m
- towards 4.50 x 4.50 m
- IP ☐ SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 106 x H 90 mm
- FC Ø 106 x H 90 mm
- FM Ø 106 x H 70 mm
- ⬆ -25°C to +50°C
- ☐ Housing UV- and shock-resistant polycarbonate
- ☐ IR-PD-2C, IR-PD-Mini

#### Channel 1 (Control the lighting)

- ⚡ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
- ⌚ 15 sec. - 30 min. or impulse
- ☾ 10 - 2000 Lux

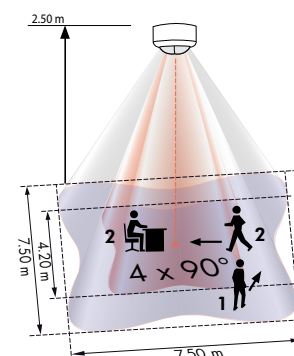
#### Channel 2 (Control devices)

- ⚡ dry contact type NO, 3A, 230 V, cos φ = 1
- ⌚ Alarm pulse, pulse or 5 - 120 min.

- ▶ Remote controls on page 128, 126!
- ▶ Wiring diagrams on page 149!
- ▶ Application examples on page 179!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ❗ PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD1N-M-2C as Master version for surface, false ceiling and flush mounting with nearly square size detection area
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential-free relay of the detector
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-2C
- Ceiling mounting
- **Typical applications:** conference rooms, class rooms, single offices, garages



- 1 ■ Walking across
- 2 ■ Walking towards and seated activity

### ■ ACCESSORY (OPTIONAL)

IR-PD-2C



(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



SM-Socket


 Arc extinction kit  
see page 102!

 Slaves PD1N-S  
see page 81!

Description	Colour	Part number
PD1N-M-2C-SM	white	92877
PD1N-M-2C-FC	white	92874
PD1N-M-2C-FM	white	92870
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-2C	grey	92475
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket	white	92199
SM-Socket for PD1N-FM	white	92121

## LUXOMAT® PD2-M-2C-SM/-FC/-FM



SM



FC



FM

### TECHNICAL DATA

- ~ 230V ~ ±10%
- ☀ 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- SM/FC/FM = IP20 / Class II / Cc
- SM Ø 98 x H 50 mm
- FC Ø 80 x H 84.5 mm
- FM Ø 98 x H 65 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-2C, IR-PD-Mini

### Channel 1 (Control the lighting)

- ⚡ 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0.5$
- 🕒 15 sec. - 30 min. or impulse
- ☀ 10 - 2000 Lux

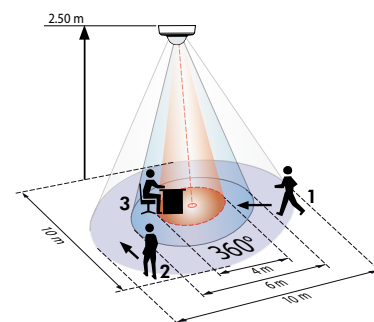
### Channel 2 (Control devices)

- ⚡ dry contact type NO,  
3A, 230 V,  $\cos\varphi = 1$
- 🕒 Alarm pulse, pulse or  
5 - 120 min.

- ▶ Remote controls on page 128, 126!
- ▶ Wiring diagrams on page 149!
- ▶ Application examples on page 159, 162, 164, 168, 171!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD2-M-2C as Master version for surface, false ceiling and flush mounting with circular detection area
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential-free relay of the detector
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-2C
- Ceiling mounting
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ACCESSORY (OPTIONAL)

IR-PD-2C



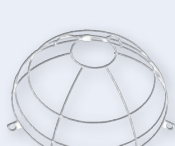
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



Socket IP54


 Blinds  
see page 102!

 Arc extinction kit  
see page 102!

 Slaves PD2-S  
see page 82!

Description	Colour	Part number
PD2-M-2C-SM	white	92150
PD2-M-2C-FC	white	92165
PD2-M-2C-FM	white	92155
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-2C	grey	92475
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199
Socket IP54	white	92161

## LUXOMAT® PD4-M-2C-SM/-FC/-FM



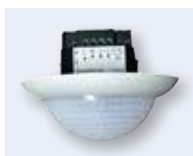
For monitoring  
large areas



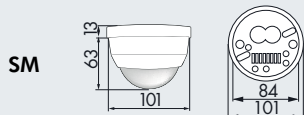
SM



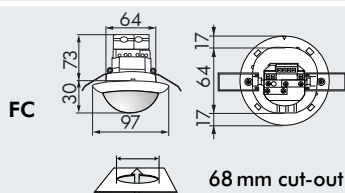
FC



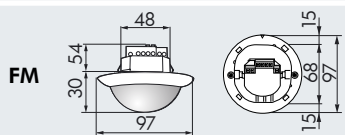
FM



SM



FC



FM

### TECHNICAL DATA

- ~ 230 V~ ±10 %
- ☀ 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- IP □ SM = IP54; FC/FM = IP20 / Class II / C €
- SM Ø 101 x H 76 mm
- FC Ø 97 x H 103 mm
- FM Ø 97 x H 84 mm
- 🌡 -25°C to +50°C
- ☐ Housing UV- and shock-resistant polycarbonate
- 📶 IR-PD-2C, IR-PD-Mini

#### Channel 1 (Control the lighting)

- ⚡ 2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
- 🕒 15 sec. - 30 min. or impulse
- ☀ 10 - 2000 Lux

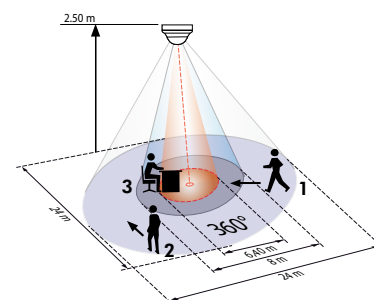
#### Channel 2 (Control devices)

- ⚡ dry contact type NO, 3 A, 230 V, cos φ = 1
- 🕒 Alarm pulse, pulse or 5 - 120 min.

- ▶ Remote controls on page 128, 126!
- ▶ Wiring diagrams on page 149!
- ▶ Application examples on page 161, 177!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-2C as Master version for surface, false ceiling and flush mounting with circular detection area and range of 24 m
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential-free relay of the detector
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-2C
- **Typical applications:** monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ACCESSORY (OPTIONAL)

IR-PD-2C



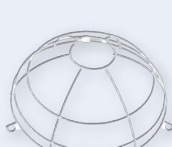
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



SM-Socket IP65



Blinds see page 102!

Arc extinction kit see page 102!

Slaves PD4-S see page 83!

Description	Colour	Part number
PD4-M-2C-SM	white	92140
PD4-M-2C-FC	white	92148
PD4-M-2C-FM	white	92255
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-2C	grey	92475
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199
SM-Socket IP65 for PD4-SM (IP54)	white	92376

## LUXOMAT® PD4-M-2C-C-SM/-FC/-FM



With narrow  
detection area



SM



FC



FM

### TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 40.00 m  
towards Ø 20.00 m
- SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 101 x H 76 mm  
FC Ø 97 x H 103 mm  
FM Ø 97 x H 84 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-2C, IR-PD-Mini

#### Channel 1 (Control the lighting)

- 2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5
- 15 sec. - 30 min. or impulse
- 10 - 2000 Lux

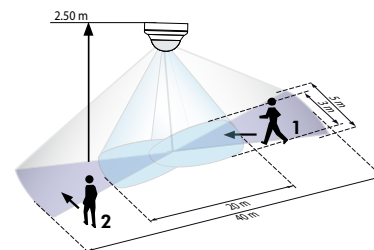
#### Channel 2 (Control devices)

- dry contact type NO,  
3A, 230 V, cos φ = 1
- Alarm pulse, pulse or  
5 - 120 min.

- ▶ Remote controls on page 128, 126!
- ▶ Wiring diagrams on page 149!
- ▶ Application examples on page 161!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-2C-C as Master version for surface, false ceiling and flush mounting with narrow detection area ideal for corridors
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential-free relay of the detector
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-2C
- **Typical applications:** monitoring of long corridors



- 1 Walking towards
- 2 Walking across

### ACCESSORY (OPTIONAL)

IR-PD-2C



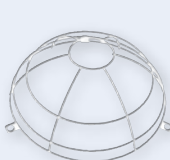
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket

Wall bracket for PD4-C-SM  
(also suitable for PD2-/PD4-SM)

SM-Socket IP65



Blinds  
see page 102!



Arc extinction kit  
see page 102!



Slaves PD4-S-C  
see page 84!

Description	Colour	Part number
PD4-M-2C-C-SM	white	92440
PD4-M-2C-C-FC	white	92143
PD4-M-2C-C-FM	white	92443
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-2C	grey	92475
LUXOMAT® IR-PD-Mini	grey	92159
Wire basket BSK	white	92199
Wall bracket for PD4-C-SM	white	92441
SM-Socket IP65 for PD4-SM (IP54)	white	92376



## LUXOMAT® PD9-M-1C+HVAC



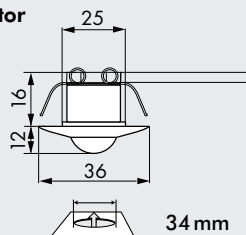
With additional  
potential-free Switching contact



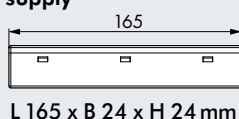
"Size comparison"

**NEW!**

Detector



Power supply



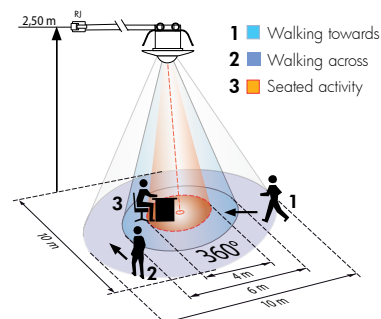
### ■ TECHNICAL DATA

- 230 V~ ±10 %
- 360°
- seated Ø 4,00 m
- across Ø 10,00 m
- towards Ø 6,00 m
- FC** = IP20 / Class II / C €
- Detector**  
Ø 36 x H 28 mm
- Power supply**  
L 165 x B 24 x H 24 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-2C, IR-PD-Mini
- Channel 1 (Control the lighting)**  
Can only be set via remote control
- 2300 W, cos φ = 1;  
1150 VA, cos φ = 0,5
- 5 min. - 30 min. or impulse
- 10 - 2000 Lux
- Channel 2 (Control devices)**  
Can only be set via remote control
- dry contact type NO,  
3 A, 230 V, cos φ = 1
- Pulse  
or 5 - 120 min.

- ▶ Remote controls on page 128, 126!
- ▶ Wiring diagrams on page 148!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ① PRODUCT INFORMATION

- Remote controllable mini-occupancy detector for inside use **LUXOMAT® PD9-M-1C+HVAC** as Master version with circular detection area
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential-free relay of the detector
- The product is programmed for immediate use
- Many programmes adjustable with the remote control **LUXOMAT® IR-PD-2C** (accessory)
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:**  
offices, conference rooms, hospitals, galleries, nursery schools



### ■ ACCESSORY (OPTIONAL)

IR-PD-2C



(to order separately)

IR-PD-Mini



(to order separately)

Cover rings for substitution



white

silver

anthracite



Blinds  
see page 102!



Arc extinction kit  
see page 102!



Slaves PD9-S  
see page 87!

Description	Colour	Part number
PD9-M-1C+HVAC	white	92976
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-2C	grey	92475
LUXOMAT® IR-PD-Mini	grey	92159
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

## LUXOMAT® PD4-M-2C-DUO-SM/-FC/-FM



Optimal for 2 light zones



SM



FC



FM

### TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 106 x H 95 mm
- FC Ø 97 x H 103 mm
- FM Ø 97 x H 84 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-DUO

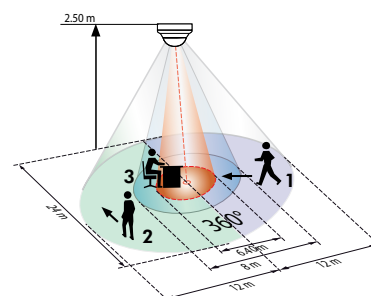
### Channel 1 and Channel 2 (light control)

- 2300 W, cos φ = 1;
- 1150 VA, cos φ = 0.5
- 1 min. - 30 min.
- 10 - 2000 Lux

- ▶ Remote controls on page 133!
- ▶ Wiring diagrams on page 149!
- ▶ Application examples on page 180!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-2C-DUO as Master version for surface, false ceiling and flush mounting for 2 separate light groups with circular detection area and range of 24 m
- Two light measurements for two light levels in two different zones of the room, e.g. class room: light band at the window light band in the depth of the room
- Two separate switching channels to switch the lighting
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-DUO
- **Typical applications:** large rooms with 2 separate light groups (e.g. near window zone and off window zone) for example in class rooms or openplan offices



- 1 ■ Walking towards
- 2 ■ Walking across
- 3 ■ Seated activity

### ACCESSORY (OPTIONAL)

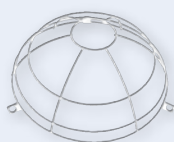
IR-PD-DUO

Wire basket

SM-Socket IP65



(to order separately)



Blinds  
see page 102!

Arc extinction kit  
see page 102!

Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-2C-DUO-SM	white	92158
PD4-M-2C-DUO-FC	white	92251
PD4-M-2C-DUO-FM	white	92252
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DUO	grey	92092
Wire basket BSK	white	92199
SM-Socket IP65 for PD4-SM (IP54)	white	92376

## LUXOMAT® PD4-M-3C-TRIO-SM/-FC



For board lighting



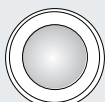
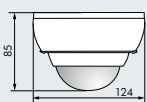
SM

**NEW!**

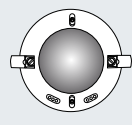
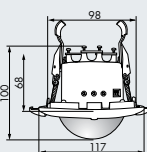


FC

SM



FC



100 mm cut-out

### ■ TECHNICAL DATA

- 230 V~ ±10%
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- IP SM/FC = IP20 / Class II / C C
- SM** Ø 124 x H 85 mm  
**FC** Ø 117 x H 100 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD4-TRIO SWI

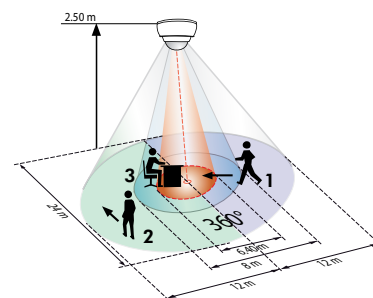
### Channel 1 to 3 (light control)

- 3000 W, cosφ = 1;  
1500 VA, cosφ = 0.5
- 1 min. - 60 min. / Test with potentiometers  
5 min. - 90 min. / Test with remote control
- 10 - 2000 Lux

- ▶ Remote controls on page 132!
- ▶ Wiring diagrams on page 150!
- ▶ Application examples on page 181!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### i PRODUCT INFORMATION

- Remote control occupancy detector with two directional light meters for 2 lighting zones, e.g. for a window zone and interior zone, plus independent lighting control
- Additional floating switch channel for board lighting
- SLAVE devices can be supplied as an inexpensive option for extending the detection area
- Fully automatic or semi-automatic function can be selected via remote control
- Large detection area up to 24 m in diameter
- **Pushbutton 1 and 2:** 230 V input contact for ON/OFF pushbutton
- **Typical applications:** particularly suitable for use in classrooms with board lighting that can be operated separately



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ■ ACCESSORY (OPTIONAL)

IR-PD4-TRIO SWI



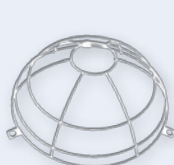
(to order separately)

Wire basket



for PD4-TRIO-SM

Wire basket



for PD4-TRIO-FC

SM-Socket IP44



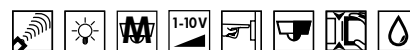
Blinds  
see page 102!

Arc extinction kit  
see page 102!

Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-3C-TRIO-FC	white	92745
PD4-M-3C-TRIO-SM	white	92740
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD4-TRIO SWI	grey	92102
Wire basket BSK for PD4-TRIO-SM	white	92467
Wire basket BSK for PD4-TRIO-FC	white	92199
SM-Socket IP44	white	92386

## LUXOMAT® PD1N-M-DIM-SM/-FC/-FM



SM



FC



FM

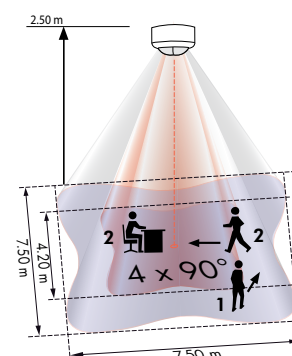
### TECHNICAL DATA

- ~ 230V ~ ±10%
- ☀ 4 x 90°
- seated 4.20 x 4.20 m
- across 7.50 x 7.50 m
- towards 4.50 x 4.50 m
- SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 106 x H 90 mm
- FC Ø 106 x H 90 mm
- FM Ø 106 x H 70 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cosφ = 1;
  - 1150 VA, cosφ = 0.5
  - 1 min. - 30 min.
  - 10 - 2000 Lux
  - 1-10V 1 - 10 VDC, max. 50 EB's

- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 150!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- An easy and cost effective way to realize a **constant light control**
- Remote controllable occupancy detector for inside use LUXOMAT® PD1N-M-DIM as dim version for surface, false ceiling and flush mounting with nearly square size detection area
- One channel to switch the lighting
- 1 dim output with 1-10 VDC interface to control electronic ballasts
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control LUXOMAT® IR-PDim
- **Typical applications:** conference rooms, class rooms, single offices, garages



- 1 Walking across
- 2 Walking towards and seated activity

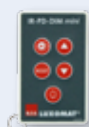
### ACCESSORY (OPTIONAL)

IR-PDim



(to order separately)

IR-PD-DIM-Mini



(to order separately)

Wire basket



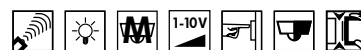
SM-Socket

Arc extinction kit  
see page 102!Slaves PD1N-S  
see page 81!

Description	Colour	Part number
PD1N-M-DIM-SM	white	92879
PD1N-M-DIM-FC	white	92876
PD1N-M-DIM-FM	white	92873
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Wire basket BSK	white	92199
SM-Socket for PD1N-FM	white	92121



## LUXOMAT® PD2-M-DIM-SM/-FC/-FM



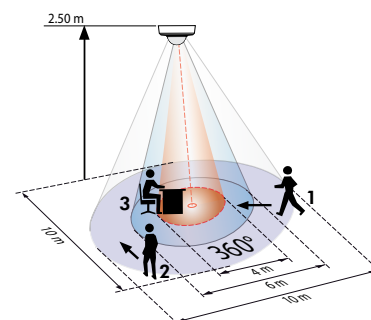
### TECHNICAL DATA

	230V~ ±10%
	360°
	seated Ø 4.00 m
	across Ø 10.00 m
	towards Ø 6.00 m
	SM/FC/FM = IP20 / Class II / Cc
	SM Ø 98 x H 50 mm
	FC Ø 80 x H 84.5 mm
	FM Ø 98 x H 65 mm
	-25°C to +50°C
	Housing UV- and shock-resistant polycarbonate
	IR-PDim, IR-PD-DIM-Mini
	<b>Channel 1 (Control the lighting)</b>
	2300 W, cos φ = 1; 1150 VA, cos φ = 0.5
	1 min. - 30 min.
	10 - 2000 Lux
	1-10VDC, max. 50 EB's

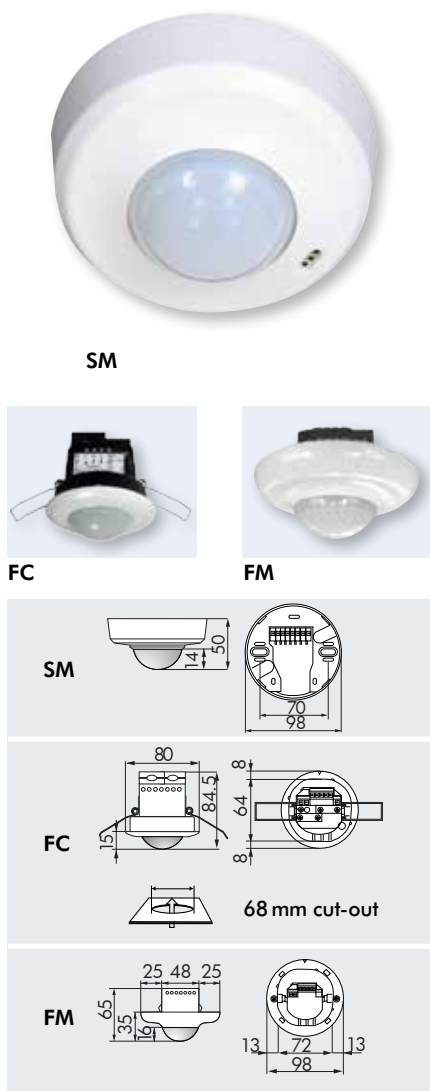
- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 150!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- An easy and cost effective way to realize a **constant light control**
- Remote controllable occupancy detector for inside use LUXOMAT® PD2-M-DIM as dim version for surface, false ceiling and flush mounting with circular detection area
- One channel to switch the lighting
- 1 dim output with 1-10VDC interface to control electronic ballasts
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity



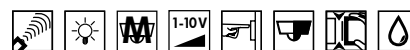
### ACCESSORY (OPTIONAL)



- Blinds see page 102!
- Arc extinction kit see page 102!
- Slaves PD2-S see page 82!

Description	Colour	Part number
PD2-M-DIM-SM	white	92153
PD2-M-DIM-FC	white	92167
PD2-M-DIM-FM	white	92157
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Wire basket BSK	white	92199
Socket IP54 for PD2-SM	white	92161

## LUXOMAT® PD4-M-DIM-SM/-FC/-FM



For monitoring  
large areas



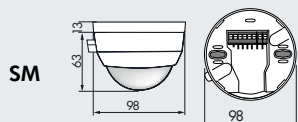
SM



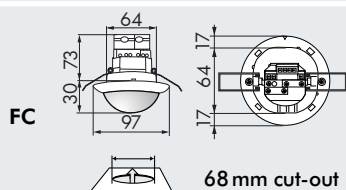
FC



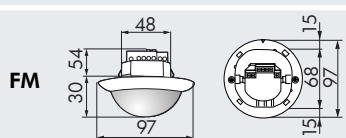
FM



SM



FC



FM

### ■ TECHNICAL DATA

- ~ 230V~ ±10%
- ☉ 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 101 x H 76 mm
- FC Ø 97 x H 103 mm
- FM Ø 97 x H 84 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini

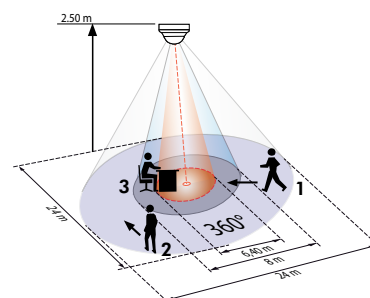
### Channel 1 (Control the lighting)

- 2300 W, cosφ = 1;
- 1150 VA, cosφ = 0.5
- 1 min. - 30 min.
- 10 - 2000 Lux
- 1-10V 1-10VDC, max. 50 EB's

- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 150!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ■ PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-DIM as dim version for surface, false ceiling and flush mounting with circular detection area and range of 24 m
- An easy and cost effective way to realize a **constant light control**
- One channel to switch the lighting
- 1 dim output with 1-10 VDC interface to control electronic ballasts
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control LUXOMAT® IR-PDim
- **Typical applications:** monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ■ ACCESSORY (OPTIONAL)

IR-PDim



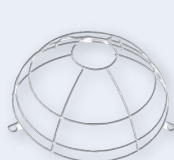
(to order separately)

IR-PD-DIM-Mini



(to order separately)

Wire basket



Blinds  
see page 102!



Arc extinction kit  
see page 102!



Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-DIM-SM	white	92147
PD4-M-DIM-FC	white	92247
PD4-M-DIM-FM	white	92248
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Wire basket BSK	white	92199

## LUXOMAT® PD4-M-DIM-C-SM/-FC



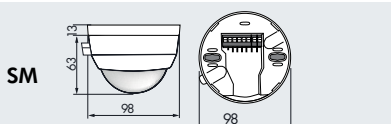
With narrow  
detection area



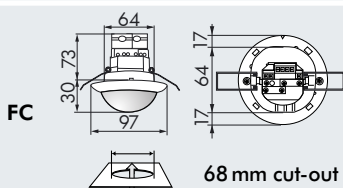
SM



FC



SM



FC

68 mm cut-out

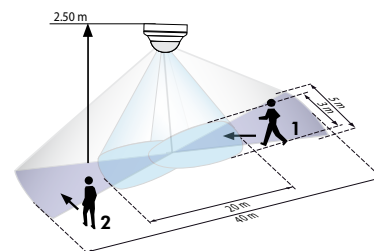
### TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 40.00 m  
towards Ø 20.00 m
- SM = IP54; FC = IP20 / Class II / CE
- SM Ø 101 x H 76 mm  
FC Ø 97 x H 103 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini
- Channel 1 (Control the lighting)**
  - 2300 W, cosφ = 1;  
1150 VA, cosφ = 0.5
  - 1 min. - 30 min.
  - 10 - 2000 Lux
  - 1 - 10 VDC, max. 50 EB's

- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 150!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-DIM-C as dim version as Master for surface and false ceiling mounting with narrow detection area ideal for corridors
- An easy and cost effective way to realize a **constant light control**
- One channel to switch the lighting
- 1 dim output with 1-10VDC interface to control electronic ballasts
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control LUXOMAT® IR-PDim
- **Typical applications:** monitoring of long corridors



- 1 ■ Walking towards
- 2 ■ Walking across

### ACCESSORY (OPTIONAL)

IR-PDim



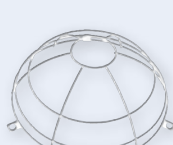
(to order separately)

IR-PD-DIM-Mini



(to order separately)

Wire basket

Wall bracket for PD4-C-SM  
(also suitable for PD2-/PD4-SM) Blinds  
see page 102! Arc extinction kit  
see page 102! Slaves PD4-S-C  
see page 84!

Description	Colour	Part number
PD4-M-DIM-C-SM	white	92218
PD4-M-DIM-C-FC	white	92217
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Wall bracket for PD4-C-SM	white	92441
Wire basket BSK	white	92199



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

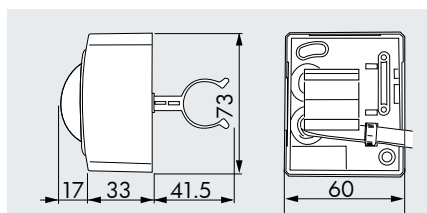
## LUXOMAT® PD5-M-DIM-Clip



To clip on T5- and T8-fluorescent tubes



Clip



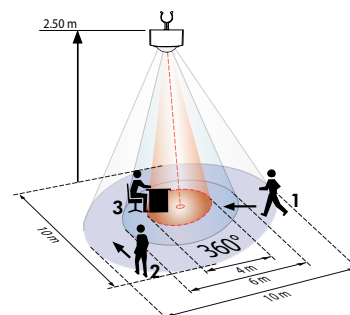
### TECHNICAL DATA

	230V~ ±10%
	360°
	seated Ø 4.00 m
	across Ø 10.00 m
	towards Ø 6.00 m
	IP20 / Class II / CE
	L 91.5 x W 60 x H 73 mm
	-25°C to +50°C
	Housing UV- and shock-resistant polycarbonate
	IR-PDim, IR-PD-DIM-Mini
<b>Channel 1 (Control the lighting)</b>	
	2300 W, cosφ = 1; 1150 VA, cosφ = 0.5
	1 min. - 30 min.
	10 - 2000 Lux
	1-10 VDC, max. 50 EB's

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD5-M-DIM-Clip as dim version with circular detection area to clip on T5- and T8-fluorescent tubes
- An easy and cost effective way to realize a **constant light control**
- One channel to switch the lighting
- 1 dim output with 1-10 VDC interface to control electronic ballasts
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control LUXOMAT® IR-PDim
- Typical applications:** offices, production halls, virtually any place where suspended light strips are used

- Remote controls on page 134, 135!
- Wiring diagrams on page 150!
- For maximum number of connectable lights, see page 38!
- Installation note - Arc extinction kit: on page 102!



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

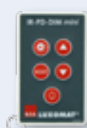
### ACCESSORY (OPTIONAL)

IR-PDim



(to order separately)

IR-PD-DIM-Mini



(to order separately)



Arc extinction kit  
see page 102!

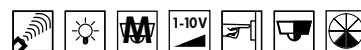


Slaves PD5-S-Clip  
see page 86!

Description	Colour	Part number
PD5-M-DIM-Clip	white	92310
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098

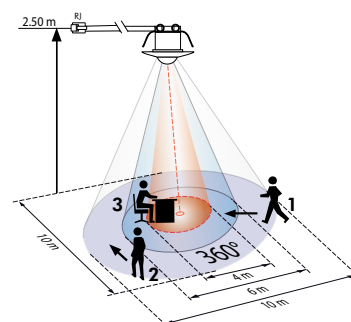


## LUXOMAT® PD9-M-DIM-FC



### PRODUCT INFORMATION

- Remote controllable mini-occupancy detector for inside use **LUXOMAT® PD9-M-DIM-FC** as dim version as Master version with circular detection area
- An easy and cost effective way to realize a **constant light control**
- One channel to switch the lighting
- 1 dim output with 1-10VDC interface to control electronic ballasts
- The product is programmed for immediate use
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools



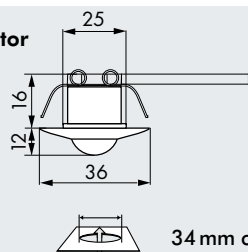
- 1 Walking towards
- 2 Walking across
- 3 Seated activity

Extreme small dimension

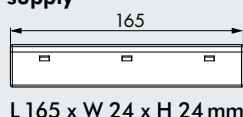


"Size comparison"

Detector



Power supply



L 165 x W 24 x H 24 mm

### TECHNICAL DATA

- ~ 230 V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m

IP □ FC = IP20 / Class II / C €

**Detector**  
Ø 36 x H 28 mm  
**Power supply**  
L 165 x W 24 x H 24 mm

-25°C to +50°C

Housing UV- and shock-resistant polycarbonate

IR-PDim, IR-PD-DIM-Mini

#### Channel 1 (Control the lighting)

Can only be set via remote control

2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5

1 min. - 30 min.

10 - 2000 Lux

1-10V 1-10 VDC, max. 50 EB's

- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 150!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ACCESSORY (OPTIONAL)

IR-PDim



(to order separately)

IR-PD-DIM-Mini



(to order separately)

Cover rings for substitution



white

silver

anthracite

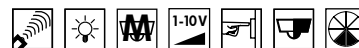
Blinds see page 102!

Arc extinction kit see page 102!

Slaves PD9-S see page 87!

Description	Colour	Part number
PD9-M-DIM-FC	white	92910
PD9-M-DIM-FC	silver	92911
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

## LUXOMAT® PD9-M-DIM-GH-FC



Suitably for high-bay storages



"Size comparison"

### ■ TECHNICAL DATA

- 230V~ ±10 %
- 360°
- max. Ø 6 m
- IP Class II / CE

#### Detector

Ø 36 x H 40 mm

#### Power supply

L 165 x W 24 x H 24 mm

-25°C to +50°C

Housing UV- and shock-resistant polycarbonate

IR-PDim, IR-PD-DIM-Mini

#### Channel 1 (Control the lighting)

Can only be set via remote control

2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5

1 min. - 30 min.

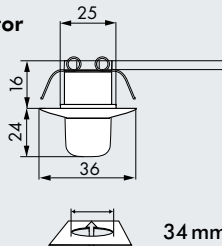
10 - 2000 Lux

1-10 VDC, max. 50 EB's

### ■ PRODUCT INFORMATION

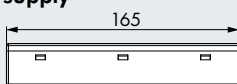
- Remote controllable mini-occupancy detector for inside use LUXOMAT® PD9-M-DIM-GH-FC as dim version as Master version with circular detection area and a range up to e.g. 6 m ideal for high-bay storages
- An easy and cost effective way to realize a **constant light control**
- One channel to switch the lighting
- 1 dim output with 1-10 VDC interface to control electronic ballasts
- The product is programmed for immediate use
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control
- Version with special lens and spring-clamps for quick, easy installation in lights or suspended ceilings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:** monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary

#### Detector



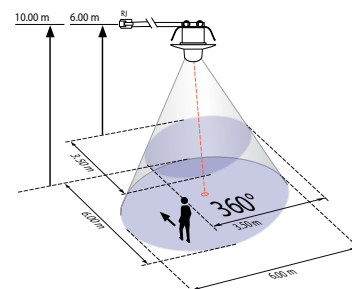
34 mm cut-out

#### Power supply



L 165 x W 24 x H 24 mm

- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 150!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!



### ■ ACCESSORY (OPTIONAL)

#### IR-PDim



(to order separately)

#### IR-PD-DIM-Mini



(to order separately)

#### Cover rings for substitution



white

silver

anthracite

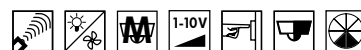
Blinds  
see page 102!

Arc extinction kit  
see page 102!

Slaves PD9-S-GH  
see page 88!

Description	Colour	Part number
PD9-M-DIM-GH-FC	white	92924
PD9-M-DIM-GH-FC	silver	92927
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

## LUXOMAT® PD4-M-DIM-HVAC-FC

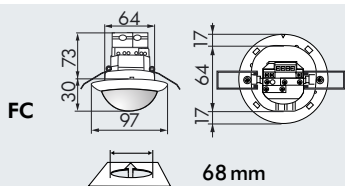


For monitoring  
large areas



FC

**NEW!**



### TECHNICAL DATA

- 230 V~ ±10 %
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- FC = IP20 / Class II / CEE
- FC Ø97 x H 103 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-DIM-HKL, IR-PD-DIM-Mini

### Channel 1 (Control the lighting)

- 2300 W,  $\cos\varphi = 1$ ; 1150 VA,  $\cos\varphi = 0.5$
- 1 min. - 30 min.
- 10 - 2000 Lux
- 1-10 VDC, max. 50 EB's

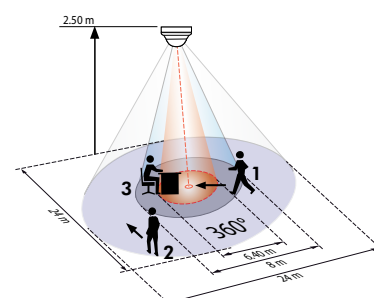
### Channel 2 (Control devices)

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

- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 151!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!
- ▶ Special solution with 16 A Relay for special solution controlling other loads

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-DIM-HVAC as dim version in ceiling-mount version with circular detection area and range of 24 m
- An easy and cost effective way to realize a **constant light control**
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential-free relay of the detector
- 1 dim output with 1-10 VDC interface to control electronic ballasts
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control LUXOMAT® IR-PD-DIM-HKL
- **Typical applications:** offices, conference rooms, schools, gyms, warehouses



- 1 ■ Walking towards
- 2 ■ Walking across
- 3 ■ Seated activity

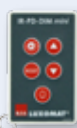
### ACCESSORY (OPTIONAL)

IR-PDdim



(to order  
separately)

IR-PD-DIM-Mini



(to order  
separately)

Wire basket



Blinds  
see page 102!

Arc extinction kit  
see page 102!

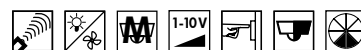
Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-DIM-HVAC-FC	white	92507
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DIM-HKL	grey	92114
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Wire basket BSK	white	92199



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD9-M-DIM-HVAC



"Size comparison"

### TECHNICAL DATA

- 230 V~ ±10 %
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- DE = IP20 / Klasse II / C €
- Detector** Ø 36 x H 28 mm
- Power supply** L 165 x B 24 x H 24 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-DIM-HKL, IR-PD-DIM-Mini

#### Channel 1 (Control the lighting)

Can only be set via remote control

- 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0,5$
- 1 Min. - 30 min.
- 10 - 2000 Lux
- 1-10 VDC, max. 50 EVG's

#### Channel 2 (Control devices)

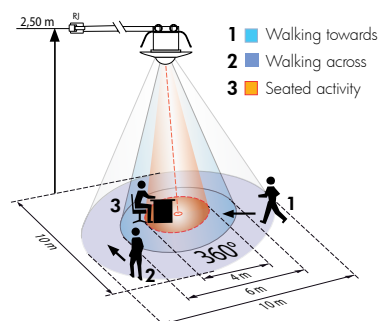
Can only be set via remote control

- dry contact type NO,  
3A, 230 V,  $\cos\varphi = 1$
- Pulse or 5 - 60 min.

- ▶ Remote controls on page 137, 136!
- ▶ Wiring diagrams on page 151!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- Remote controllable mini-occupancy detector for inside use LUXOMAT® PD9-M-DIM-HVAC as dim version as Master version with circular detection area
- An easy and cost effective way to realize a **constant light control**
- Two switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential-free relay of the detector
- 1 dim output with 1-10 VDC interface to control electronic ballasts
- Function full automatic or semi automatic mode, dimming and switching with the optional infrared remote control LUXOMAT® IR-PD-DIM-HKL
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools



### ACCESSORY (OPTIONAL)



Blinds  
see page 102!

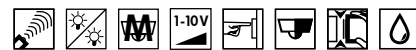
Arc extinction kit  
see page 102!

Slaves PD9-S  
see page 87!

Description	Colour	Part number
PD9-M-DIM-HVAC	white	92973
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DIM-HKL	grey	92114
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Cover ring for PD9 (36 mm)	white, RAL9010	92236
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235



## LUXOMAT® PD4-M-DUO-DIM-SM/-FC/-FM



Optimal for 2 light zones



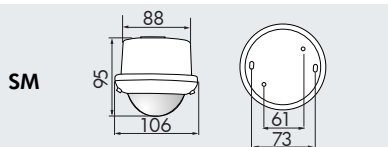
SM



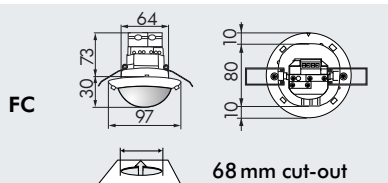
FC



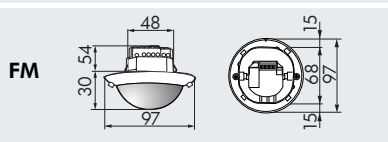
FM



SM



FC



FM

### TECHNICAL DATA

- ~ 230V~ ±10%
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- IP □ SM = IP44; FC/FM = IP20 / Class II / CE
- SM Ø 106 x H 95 mm
- FC Ø 97 x H 103 mm
- FM Ø 97 x H 84 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PDim, IR-PD-DIM-Mini

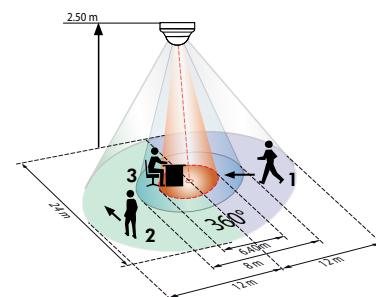
### Channel 1 and Channel 2 (light control)

- 2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5
- 1 min. - 30 min.
- 10 - 2000 Lux
- 2 dim outputs 1-10 VDC,  
max. 50 EB's

- ▶ Remote controls on page 134, 135!
- ▶ Wiring diagrams on page 152!
- ▶ Application examples on page 180!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD4-M-DUO-DIM as dim version for surface, false ceiling and flush mounting for 2 separate light groups with circular detection area and range of 24 m
- An easy and cost effective way to realize a **constant light control**
- Two light measurements for two light levels in two different zones of the room, e.g. class room: light band at the window light band in the depth of the room
- One channel to switch the lighting
- The connection of a unlimited number of Slaves for reasonable extension is possible!
- Many programmes adjustable with the remote control LUXOMAT® IR-PDim
- **Typical applications:** large rooms with 2 separate light groups (e.g. near window zone and off window zone) for example in class rooms or openplan offices



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ACCESSORY (OPTIONAL)

IR-PDim



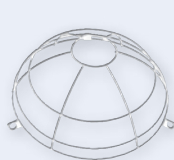
(to order separately)

IR-PD-DIM-Mini



(to order separately)

Wire basket



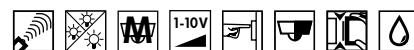
Blinds  
see page 102!

Arc extinction kit  
see page 102!

Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-DUO-DIM-SM	white	92271
PD4-M-DUO-DIM-FC	white	92272
PD4-M-DUO-DIM-FM	white	92273
<b>Accessory (optional)</b>		
LUXOMAT® IR-PDim	grey	92200
LUXOMAT® IR-PD-DIM-Mini	grey	92098
Wire basket BSK	white	92199

## LUXOMAT® PD4-M-TRIO-DIM-SM/-FC



For board lighting

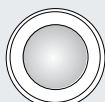
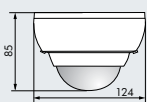


SM

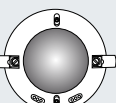
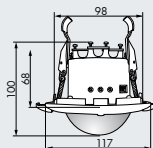


FC

SM



FC



100 mm cut-out

### ■ TECHNICAL DATA

- ~ 230V ~ ±10%
- ☉ 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- IP □ SM/FC = IP20 / Class II / CEE
- ↗ SM Ø 124 x H 85 mm  
FC Ø 117 x H 100 mm
- 🌡 -25°C to +50°C
- ☐ Housing UV- and shock-resistant polycarbonate
- 📶 IR-PD4-TRIO

#### Channel 1 and Channel 2 (light control)

- ⚡ 3000 W, cos φ = 1;  
1500 VA, cos φ = 0.5
- 1-10V 2 dim outputs 1-10 VDC,  
max. 50 EB's
- 🕒 1 min. - 60 min.

- ☀ 10 - 2000 Lux

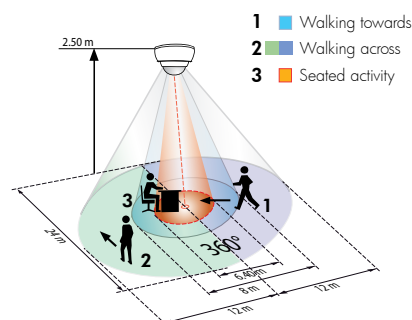
#### Channel 3 (light control) for board lighting (daylight-dependent)

- ⚡ 3000 W, cos φ = 1;  
1500 VA, cos φ = 0.5
- 🕒 1 min. - 60 min.
- ☀ like channel 1 and channel 2

- ▶ Remote control on page 136!
- ▶ Wiring diagrams on page 152!
- ▶ Application examples on page 181!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

### ■ PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use with two directional light meters for 2 lighting zones, e.g. for a window zone and interior zone, plus independent lighting control
- Additional floating switch channel for board lighting
- 100 h function to automatically suppress the dim function for 100 hours when starting up fluorescent lamps
- SLAVE devices can be supplied as an inexpensive option for extending the detection area
- Fully automatic or semi-automatic function can be selected via remote control
- Large detection area up to 24 m in diameter
- **Pushbutton 1:**  
230 V input contact for ON/OFF push-button and for dimming lighting
- **Pushbutton 2:**  
230 V input contact for ON/OFF push-button for board lighting
- **Typical applications:**  
particularly suitable for use in classrooms with board lighting that can be operated separately



### ■ ACCESSORY (OPTIONAL)

IR-PD4-TRIO



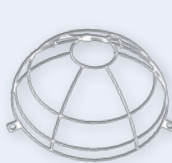
(to order separately)

Wire basket



for PD4-TRIO-SM

Wire basket



for PD4-TRIO-FC

SM-Socket IP44



Blinds  
see page 102!

Arc extinction kit  
see page 102!

Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-TRIO-DIM-FC	white	92735
PD4-M-TRIO-DIM-SM	white	92730
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD4-TRIO	grey	92097
Wire basket BSK for PD4-TRIO-SM	white	92467
Wire basket BSK for PD4-TRIO-FC	white	92199
SM-Socket IP44	white	92386

## LUXOMAT® PD2-M-DALI/DSI-SM/-FC



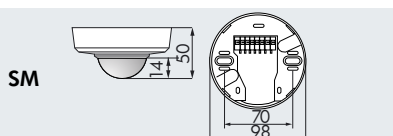
For DALI/DSI



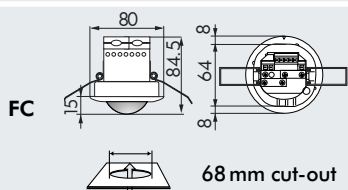
SM



FC



SM



FC

68 mm cut-out

## ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- IP SM/FC = IP20 / Class II / C €
- SM** Ø 98 x H 50 mm  
**FC** Ø 80 x H 84.5 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-DALI

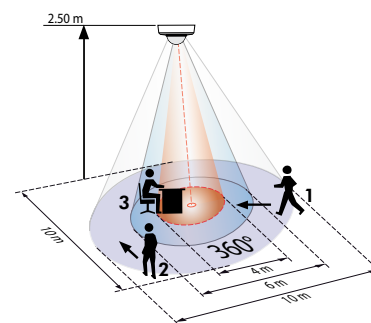
## Channel 1 (Control the lighting)

- DALI/DSI-Master  
max. 50 EB's
- 1 min. - 30 min.
- 10 - 2000 Lux

- ▶ Remote control on page 138!
- ▶ Wiring diagrams on page 153!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Beside the default for the light value at the workstation and the default of the duty cycle the remote control will dim in the whole span, which the electronic ballast admits.

## i PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD2-M-DALI/DSI as Master version for surface and false ceiling mounting with DALI-interface and with circular detection area
- Integrated light sensor for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts as a group
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-DALI
- Switch-over between DSI and DALI via IR-PD-DALI
- **Typical applications:**  
offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

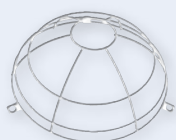
## ■ ACCESSORY (OPTIONAL)

IR-PD-DALI



(to order separately)

Wire basket



Socket IP54

Blinds  
see page 102!Slaves PD2-S  
see page 82!

Description	Colour	Part number
PD2-M-DALI/DSI-SM	white	92280
PD2-M-DALI/DSI-FC	white	92258
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DALI	grey	92094
Wire basket BSK	white	92199
Socket IP54 for PD2-SM	white	92161

CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD4-M-DALI/DSI-SM/-FC



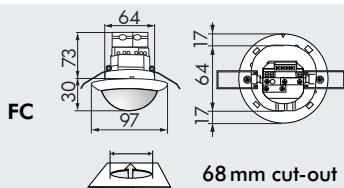
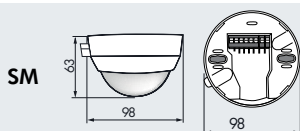
For DALI/DSI



SM



FC



## TECHNICAL DATA

- ~ 230V~ ±10%
- ☀ 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- IP □ SM/FC = IP20 / Class II / Cc
- ↗ SM Ø 98 x H 65 mm
- ↗ FC Ø 97 x H 103 mm
- 🌡 -25°C to +50°C
- ☐ Housing UV- and shock-resistant polycarbonate
- 📶 IR-PD-DALI

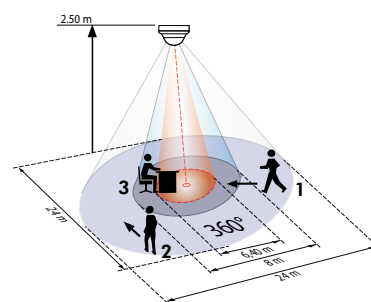
## Channel 1 (Control the lighting)

- 📶 DALI/DSI-Master max. 50 EB's
- 🕒 1 min. - 30 min.
- ☀ 10 - 2000 Lux

- ▶ Remote control on page 138!
- ▶ Wiring diagrams on page 153!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Beside the default for the light value at the workstation and the default of the duty cycle the remote control will dim in the whole span, which the electronic ballast admits.

## PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD4-M-DALI/DSI as Master version for surface and false ceiling mounting with DALI-interface and with circular detection area
- Integrated light sensor for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts as a group
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-DALI
- Switch-over between DSI and DALI via IR-PD-DALI
- **Typical applications:** monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

## ACCESSORY (OPTIONAL)

IR-PD-DALI



(to order separately)

Wire basket



Socket IP54

Blinds  
see page 102!Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-DALI/DSI-SM	white	92279
PD4-M-DALI/DSI-FC	white	92275
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DALI	grey	92094
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161



### LUXOMAT® PD4-M-DALI/DSI-C-SM/-FC



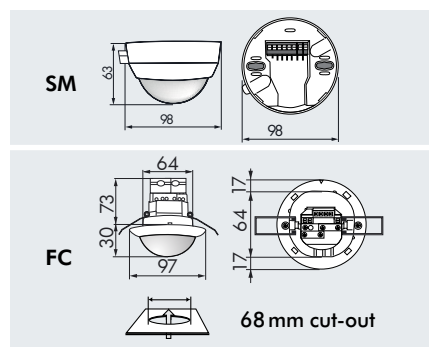
Corridor  
For DALI/DSI



SM



FC



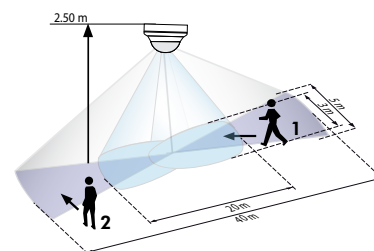
#### ■ TECHNICAL DATA

- 230 V~ ±10%
- 360°
- across Ø 40.00 m  
towards Ø 20.00 m
- SM/FC = IP20 / Class II / C €
- SM** Ø 98 x H 65 mm  
**FC** Ø 97 x H 103 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-DALI
- Channel 1 (Control the lighting)**
- DALI/DSI-Master  
max. 50 EB's
- 1 min. - 30 min.
- 10 - 2000 Lux

- ▶ Remote control on page 138!
- ▶ Wiring diagrams on page 153!

#### i PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD4-M-DALI/DSI-C as Master version for surface and false ceiling mounting with DALI-interface and with narrow detection area ideal for corridors
- Integrated light sensor for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts as a group
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-DALI
- Switch-over between DSI and DALI via IR-PD-DALI
- **Typical applications:**  
monitoring of long corridors



- 1 Walking towards
- 2 Walking across

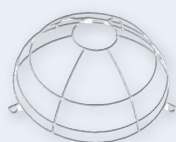
#### ■ ACCESSORY (OPTIONAL)

IR-PD-DALI



(to order separately)

Wire basket



Socket IP54


 Blinds  
see page 102!

 Slaves PD4-S-C  
see page 84!

Description	Colour	Part number
PD4-M-DALI/DSI-C-SM	white	92530
PD4-M-DALI/DSI-C-FC	white	92328
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DALI	grey	92094
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161



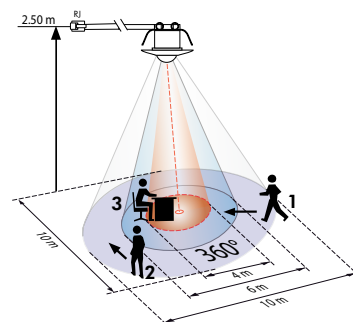
CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD9-M-DALI/DSI-FC



### PRODUCT INFORMATION

- Remote controllable group occupancy detector **LUXOMAT® PD9-M-DALI/DSI** as Master version for false ceiling mounting with DALI-interface and with circular detection area
- Integrated light sensor for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts as a group
- Many programmes adjustable with the remote control **LUXOMAT® IR-PD-DALI**
- Switch-over between DSI and DALI via IR-PD-DALI
- Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

For DALI/DSI



"Size comparison"

### TECHNICAL DATA

- 230V~ ±10 %
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- IP □ □ FC = IP20 / Class II / C €

**Detector**  
Ø 36 x H 28 mm  
**Power supply**  
L 165 x W 24 x H 24 mm

- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-DALI

#### Channel 1 (Control the lighting)

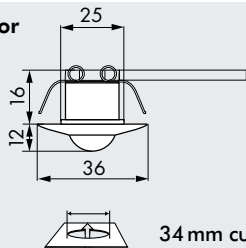
DALI/DSI-Master  
max. 50 EB's

Can only be set via remote control

- 1 min. - 30 min.
- 10 - 2000 Lux

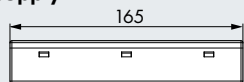
- Remote control on page 138!
- Wiring diagrams on page 153!
- For maximum number of connectable lights, see page 38!

Detector



34 mm cut-out

Power supply



L 165 x W 24 x H 24 mm

### ACCESSORY (OPTIONAL)

IR-PD-DALI



(to order separately)

Cover rings for substitution



white

silver

anthracite

Blinds  
see page 102!

Slaves PD9-S  
see page 87!

Description	Colour	Part number
PD9-M-DALI/DSI-FC	white	92920
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DALI	grey	92094
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

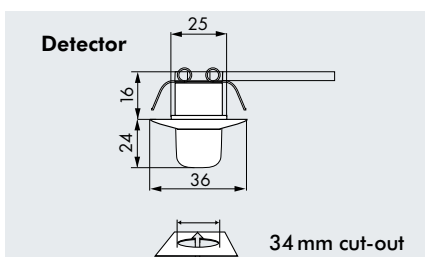
## LUXOMAT® PD9-M-DALI/DSI-GH-FC



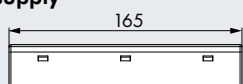
Suitably for high-bay storages



"Size comparison"



### Power supply



L 165 x W 24 x H 24 mm

### ■ TECHNICAL DATA

- 230 V~ ±10 %
- 360°
- max. Ø 6 m
- IP Class II / CEE

#### Detector

Ø 36 x H 40 mm

#### Power supply

L 165 x W 24 x H 24 mm

-25°C to +50°C

Housing UV- and shock-resistant polycarbonate

IR-PD-DALI

### Channel 1 (Control the lighting)

DALI/DSI-Master  
max. 50 EB's

Can only be set via remote control

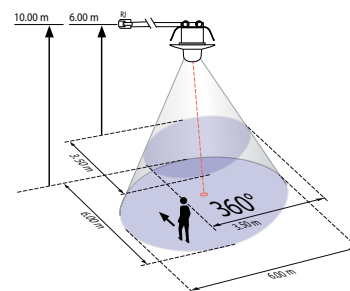
1 min. - 30 min.

10 - 2000 Lux

- ▶ Remote control on page 138!
- ▶ Wiring diagrams on page 153!
- ▶ For maximum number of connectable lights, see page 38!

### i PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD9-M-DALI/DSI-GH as Master version for false ceiling mounting with DALI-interface and with circular detection area
- Integrated light sensor for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts as a group
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-DALI
- Switch-over between DSI and DALI via IR-PD-DALI
- **Typical applications:**  
monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary



### ■ ACCESSORY (OPTIONAL)

IR-PD-DALI



(to order separately)

Cover rings for substitution



white



silver



anthracite



Blinds  
see page 102!



Slaves PD9-S-GH  
see page 88!

Description	Colour	Part number
PD9-M-DALI/DSI-GH-FC	white	92938
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DALI	grey	92094
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD4-M-DUO-DALI/DSI-FC

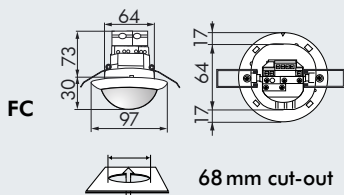


Optimal for 2 light zones



FC

**NEW!**



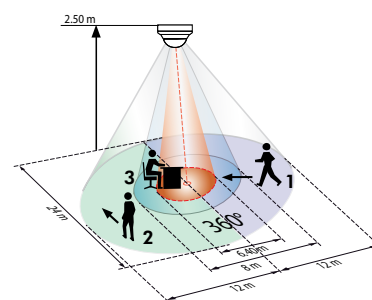
### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- IP20 / Class II / Cc
- FC Ø 97 x H 103 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-DALI
- Channel 1 and Channel 2 (light control)**
- DALI/DSI-Master each channel max. 50 EB's
- 1 min. - 30 min.
- 10 - 2000 Lux

- ▶ Remote control on page 138!
- ▶ Wiring diagrams on page 153!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Beside the default for the light value at the workstation and the default of the duty cycle the remote control will dim in the whole span, which the electronic ballast admits.

### ■ PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD4-M-DUO-DALI/DSI as Master version for false ceiling mounting with 2 DALI interfaces and with circular detection area
- For 2 separate light groups
- Two integrated light sensors for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts and control modules as a group per DALI output
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-DALI
- Switch-over between DSI and DALI via IR-PD-DALI
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

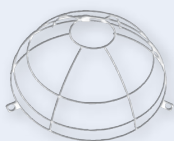
### ■ ACCESSORY (OPTIONAL)

IR-PD-DALI

Wire basket



(to order separately)



Blinds  
see page 102!



Slaves PD4-S  
see page 83!

Description	Colour	Part number
PD4-M-DUO-DALI/DSI-FC	white	92276
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DALI	grey	92094
Wire basket BSK	white	92199



### LUXOMAT® PD4-M-TRIO-DALI/DSI-SM/-FC



For board lighting



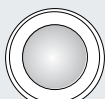
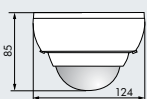
SM

**NEW!**

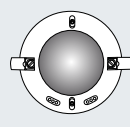
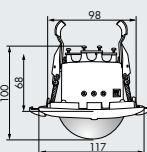


FC

SM



FC



100 mm cut-out

#### TECHNICAL DATA

- 230 V~ ±10 %
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- SM/FC = IP20 / Class II / C €
- SM** Ø 124 x H 85 mm  
**FC** Ø 117 x H 100 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD4-TRIO-DALI

#### Channel 1, channel 2 and dim function (light control)

- DALI/DSI-Master Channel 1 and 2 max. 25 EB's
- 1 min. - 60 min.
- 10 - 2000 Lux

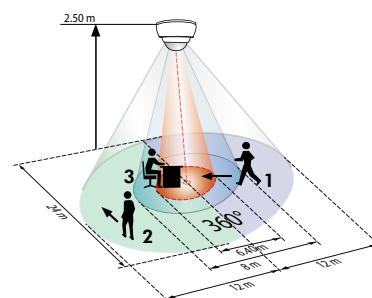
#### Channel 3 (light control)

- DALI/DSI-Master Channel 3 max. 10 EB's
- like Channel 1 and Channel 2

- ▶ Remote control on page 139!
- ▶ Wiring diagrams on page 154!
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

#### PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD4-M-TRIO-DALI/DSI as Master version for surface and false ceiling mounting with 3 DALI interfaces and with circular detection area
- For 2 separate light groups
- Two integrated light sensors for automatic **constant light control**
- 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
- Many programmes adjustable with the remote control LUXOMAT® IR-PD4-TRIO-DALI
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

#### ACCESSORY (OPTIONAL)



(to order separately)

Wire basket



for PD4-TRIO-SM

Wire basket



for PD4-TRIO-FC

SM-Socket IP44



Blinds see page 102!

Slaves PD4-S see page 83!

Description	Colour	Part number
PD4-M-TRIO-DALI/DSI-FC	white	92755
PD4-M-TRIO-DALI/DSI-SM	white	92750
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD4-TRIO-DALI	grey	92104
Wire basket BSK for PD4-TRIO-SM	white	92467
Wire basket BSK for PD4-TRIO-FC	white	92199
SM-Socket IP44	white	92386



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD2-M-DALI/DSI-1C-FC



For DALI/DSI



FV

### TECHNICAL DATA

- ~ 230V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m

IP20 / Class II / CEE

Ø 80 x H 84.5 mm

-25°C to +50°C

Housing UV- and shock-resistant polycarbonate

IR-PD-DALI-1C

10 - 2000 Lux

#### Channel 1 (Control the lighting)

DALI/DSI-Master  
max. 50 EB's

1 min. - 30 min.

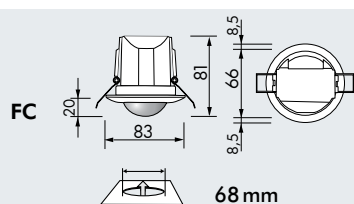
#### Channel 2 (Control devices or lighting)

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

Alarm pulse, pulse or  
5 - 120 min.

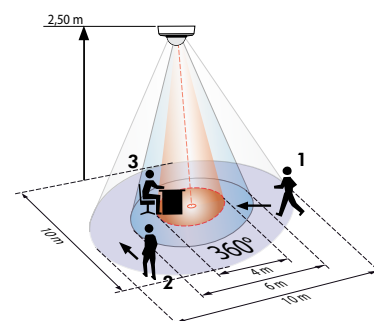
### PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD2-M-DALI/DSI-1C as Master version for false ceiling mounting with DALI-interface and with circular detection area
- Integrated light sensor for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts as a group
- One additional switching channel to switch the lighting or other loads e.g. HVAC
- Many programmes adjustable with the remote control LUXOMAT® IR-PD-DALI-1C
- Switch-over between DSI and DALI via IR-PD-DALI-1C
- Switch channel 2 between control devices or lighting
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals etc.



FC

- ▶ Remote control on page 140!
- ▶ Wiring diagrams on page 154!
- ▶ For maximum number of connectable lights, see page 38!



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

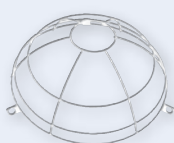
### ACCESSORY (OPTIONAL)

IR-PD-DALI-1C

Wire basket



(to order separately)



Blinds  
see page 102!

Slaves PD4-S  
see page 82!

Description	Colour	Part number
PD2-M-DALI/DSI-1C-FC	white	92486
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD-DALI-1C	grey	92094
Wire basket BSK	white	92199

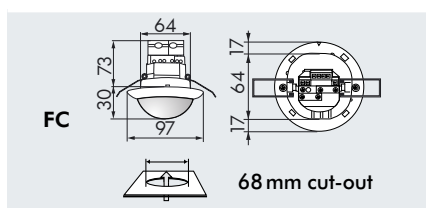
# LUXOMAT® PD4-M-DALI/DSI-1C-FC



**For DALI/DSI**

















FC



FC

## ■ TECHNICAL DATA

-  230V~ ±10%  
  360°  
 seated  $\varnothing$  6.40 mm  
across  $\varnothing$  24.00 mm  
towards  $\varnothing$  8.00 mm  
 IP20 / Class II /  $\text{C}\text{C}$   
 **FC**  $\varnothing$  97 x H 103 mm  
 -25°C to +50°C  
 Housing UV- and shock-resistant polycarbonate  
 IR-PD-DALI-1 C  
 10 - 2000 Lux  
**Channel 1 (Control the lighting)**  
 DALI/DSI-Master  
max. 50 EB's  
 1 min. - 30 min.  
**Channel 2 (Control devices or light)**  
 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0.5$   
 Alarm pulse, pulse or  
5 - 120 min.

### Channel 1 (Control the lighting)

-  **DALI/DSI-Master**  
max. 50 EB's
-  **1 min. - 30 min.**

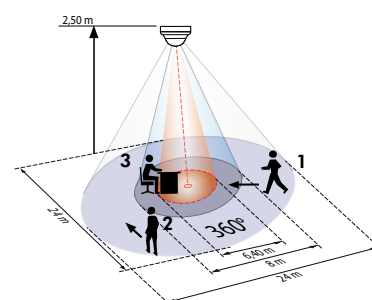
### Channel 2 (Control devices or lighting)




- ⚡ 2300 W,  $\cos\varphi = 1$ ;  
1150 VA,  $\cos\varphi = 0.5$
- 🕒 Alarm pulse, pulse or  
5 - 120 min.

- ▶ Remote control on page 140!
- ▶ Wiring diagrams on page 154!
- ▶ For maximum number of connectable lights, see page 38!

 **PRODUCT INFORMATION**

- Remote controllable group occupancy detector **LUXOMAT® PD4-M-DALI/DSI-1C** as Master version for false ceiling mounting with DALI-interface and with circular detection area
- Integrated light sensor for automatic **constant light control**
- Control of up to 50 digital dimming electronic ballasts as a group
- One additional switching channel to switch the lighting or other loads e.g. HVAC
- Many programmes adjustable with the remote control **LUXOMAT® IR-PD-DALI**
- Switch-over between DSI and DALI via IR-PD-DALI-1C
- Switch channel 2 between control devices or lighting
- **Typical applications:**  
monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls



- 1  Walking towards  
2  Walking across  
3  Seated activity

■ **ACCESSORY (OPTIONAL)**

IR-PD-DALI-1C

### Wire basket



(to order  
separately)



**Blinds**  
see page 102!



**Slaves PD4-S**  
see page 83!

Description	Colour	Part number
PD4-M-DALI/DSI-1C-FC	white	92488
Accessory (optional)		
LUXOMAT® IR-PD-DALI-1C	grey	92116
Wire basket BSK	white	92199

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



For board lighting



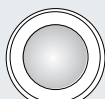
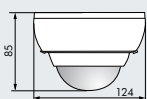
SM

NEW!

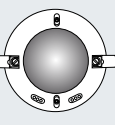
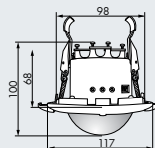


FC

SM



FC



100 mm

## TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m

IP20 / Class II / CEE

SM Ø 124 x H 85 mm  
FC Ø 117 x H 100 mm

-25°C to +50°C

Housing UV- and shock-resistant polycarbonate

IR-PD-TRIO-DALI

10 - 2000 Lux

## Channel 1, Channel 2 and Dimmfunction (Control the lighting)

DALI/DSI-Master Channel 1 and 2 max. 25 EB's

1 min. - 60 min.

10 - 2000 Lux

## Channel 3 (Control devices or lighting) for board lighting (daylight-dependent) or HVAC-Switching (motion controlled)

3000 W, cosφ = 1;  
1500 VA, cosφ = 0,5

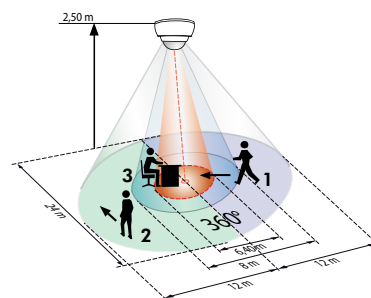
1 min. - 60 min.

like Channel 1 and Channel 2

- Remote control on page 139!
- For maximum number of connectable lights, see page 38!
- Installation note - Arc extinction kit: on page 102!
- Wiring diagrams on page 156!

## PRODUCT INFORMATION

- Remote controllable group occupancy detector LUXOMAT® PD4-M-TRIO-2DALI/DSI-1C as Master version for surface and false ceiling mounting with 2 DALI interfaces and with circular detection area
- For 2 separate light groups
- Two integrated light sensors for automatic **constant light control**
- Control of up to 25 digital dimming electronic ballasts and control modules as a group per DALI output 1 and 2
- One additional switching channel to switch the lighting or other loads e.g. HVAC
- Many programmes adjustable with the remote control LUXOMAT® IR-PD4-TRIO-DALI
- Switch-over between DSI and DALI via IR-PD-TRIO-DALI
- Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

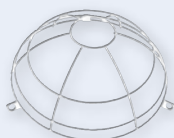
## ACCESSORY (OPTIONAL)

IR-PD4-TRIO-DALI

Wire basket



(to order separately)



Blinds see page 102!

Arc extinction kit see page 83!

Description	Colour	Part number
PD4-M-TRIO-2DALI/DSI-1C-SM	white	92751
PD4-M-TRIO-2DALI/DSI-1C-FC	white	92756
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD4-TRIO-DALI	grey	92104
Wire basket	white	92199



# SLAVE OCCUPANCY DETECTORS (MOTION DETECTOR FOR INSIDE USE)

## LUXOMAT® PD1N-S-SM/-FC/-FM



SM



FC



FM

### ■ TECHNICAL DATA

- 230V~ ±10%
- $\square 4 \times 90^\circ$
- seated 4.20 x 4.20 m
- across 7.50 x 7.50 m
- towards 4.50 x 4.50 m
- SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 106 x H 90 mm
- FC Ø 106 x H 90 mm
- FM Ø 106 x H 70 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate

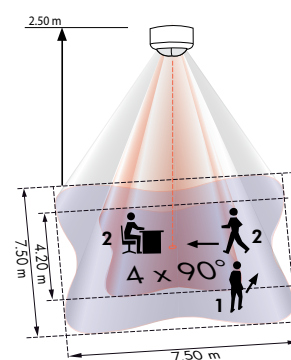
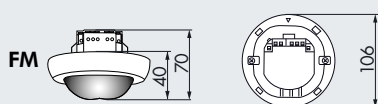
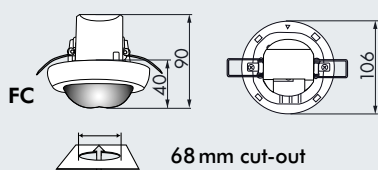
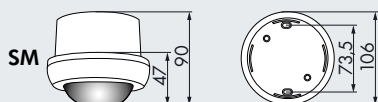
### Slave output

- 230V

- ▶ Wiring diagrams on page 147 - 154!
- ▶ Application examples on page 170, 179!

### ❗ PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD1N-S, Slave with nearly square size detection area, for surface, false ceiling and flush mounting
- Great energy-saving potential
- One Master occupancy detector is necessary for controlling light and heating
- Motion can be detected in all room segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- There are no adjustment elements
- Sensor and power supply in a single housing
- **Typical applications:** conference rooms, class rooms, single offices, garages



- 1 Walking across
- 2 Walking towards and seated activity

### ■ ACCESSORY (OPTIONAL)

Wire basket



SM-Socket



Description	Colour	Part number
PD1N-S-SM	white	92878
PD1N-S-FC	white	92875
PD1N-S-FM	white	92872
<b>Accessory (optional)</b>		
Wire basket	white	92199
SM-Socket for PD1N-FM	white	92121

# SLAVE OCCUPANCY DETECTORS (MOTION DETECTOR FOR INSIDE USE)

## LUXOMAT® PD2-S-SM/-FC/-FM



SM



FC



FM

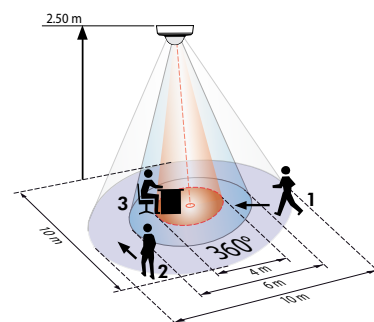
### TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- SM/FC/FM = IP20 / Class II / Cc
- SM** Ø 98 x H 50 mm
- FC** Ø 80 x H 84.5 mm
- FM** Ø 98 x H 65 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Pulse interval of 2 sec. or 9 sec.
- Slave output**
- 230V

- ▶ Wiring diagrams on page 147 - 154!
- ▶ Application examples on page 159, 162, 164, 168, 169!

### PRODUCT INFORMATION

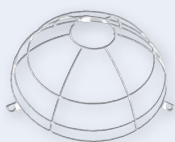
- Occupancy detector **LUXOMAT® PD2-S**, Slave with circular detection area, for surface, false ceiling and flush mounting
- Great energy-saving potential
- One Master occupancy detector is necessary for controlling light and heating
- Motion can be detected in all room segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- Sensor and power supply in a single housing
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ACCESSORY (OPTIONAL)

Wire basket



Covering IP23



Socket IP54

Blinds  
see page 102!

Description	Colour	Part number
PD2-S-SM	white	92152
PD2-S-FC	white	92166
PD2-S-FM	white	92156
<b>Accessory (optional)</b>		
Covering IP23	transparent	92206
Wire basket BSK	white	92199
Socket IP54	white	92161

# SLAVE OCCUPANCY DETECTORS (MOTION DETECTOR FOR INSIDE USE)

## LUXOMAT® PD4-S-SM/-FC/-FM



For monitoring  
large areas



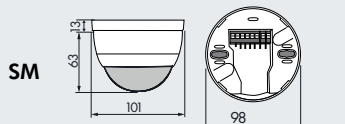
SM



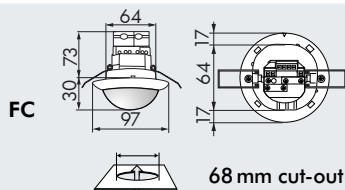
FC



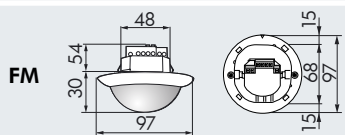
FM



SM



FC



FM

### TECHNICAL DATA

- 230V~ ±10%
- 360°
- seated Ø 6.40 m
- across Ø 24.00 m
- towards Ø 8.00 m
- SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 101 x H 76 mm
- FC Ø 97 x H 103 mm
- FM Ø 97 x H 84 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Pulse interval of 2 sec. or 9 sec.

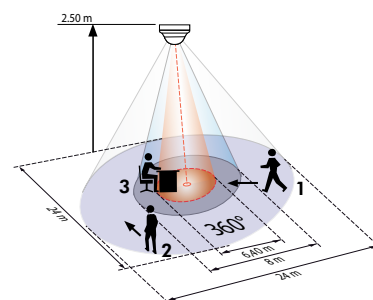
### Slave output

- 230V

► Wiring diagrams on page 147 - 154!

### PRODUCT INFORMATION

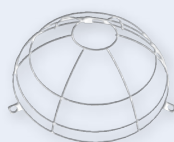
- Occupancy detector LUXOMAT® PD4-S, Slave with circular and large detection area, for surface, false ceiling and flush mounting
- Great energy-saving potential particularly in large rooms and when monitoring large areas
- One Master occupancy detector is necessary for controlling light and heating
- Motion can be detected in all room segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- Sensor and power supply in a single housing
- **Typical applications:** monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ACCESSORY (OPTIONAL)

Wire basket



SM-Socket IP65



Blinds  
see page 102!

Description	Colour	Part number
PD4-S-SM	white	92142
PD4-S-FC	white	92254
PD4-S-FM	white	92163
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
SM-Socket IP65 for PD4-SM (IP54)	white	92376



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

# SLAVE-CORRIDOR-OCCUPANCY DETECTOR (MOTION DETECTOR FOR INSIDE USE)

## LUXOMAT® PD4-S-C-SM/-FC/-FM



With narrow  
detection area



SM



FC



FM

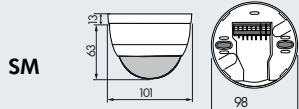
### TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 40.00 m  
towards Ø 20.00 m
- SM = IP54; FC/FM = IP20 / Class II / CE
- SM Ø 101 x H 76 mm  
FC Ø 97 x H 103 mm  
FM Ø 97 x H 84 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Pulse interval of 2 sec. or 9 sec.
- Slave output**
- 230V

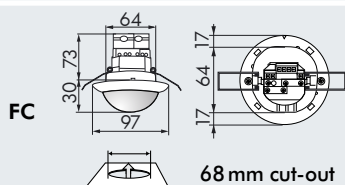
### PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD4-S-C, Slave with narrow detection area specially for corridors, for surface, false ceiling and flush mounting
- Great energy-saving potential, particularly in corridors
- One Master occupancy detector is necessary for controlling light and heating
- Motion can be detected in all corridor segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- Sensor and power supply in a single housing
- **Typical applications:** monitoring of long corridors

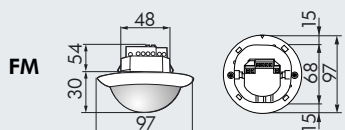
- ▶ Wiring diagrams on page 147 - 154!
- ▶ Application examples on page 161!



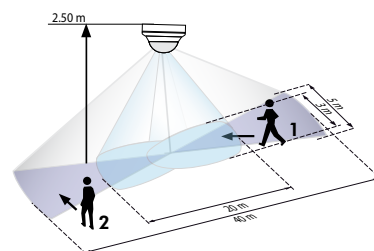
SM



FC



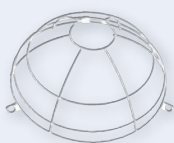
FM



- 1 Walking towards
- 2 Walking across

### ACCESSORY (OPTIONAL)

Wire basket

Wall bracket for PD4-C-SM  
(also suitable for PD2-/PD4-SM)

SM-Socket IP65

Blinds  
see page 102!

Description	Colour	Part number
PD4-S-C-SM	white	92442
PD4-S-C-FC	white	92444
PD4-S-C-FM	white	92445
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
Wall bracket for PD4-C-SM	white	92441
SM-Socket IP65 for PD4-SM (IP54)	white	92376



# SLAVE OCCUPANCY DETECTORS FOR HIGH ELEVATIONS (MOTION DETECTOR FOR INSIDE USE)

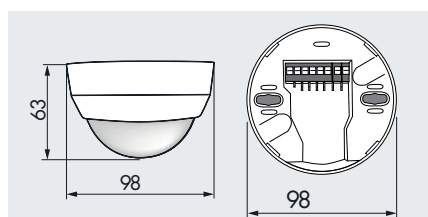
## LUXOMAT® PD4-S-GH-SM



Suitably for high-bay storages



SM



### ■ TECHNICAL DATA

- 230V~ ±10%
- 360°
- across Ø 44.00 m
- SM = IP20 / Class II / CEE
- SM Ø 98 x H 63 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate

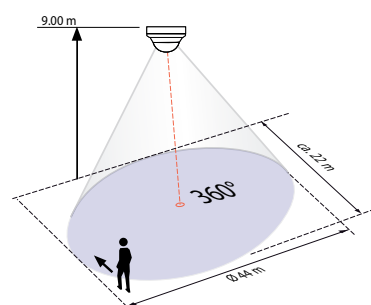
### Slave output

- 230V

► Wiring diagrams on page 147 - 154!

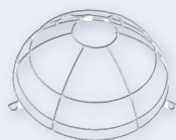
### ❗ PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD4-S-GH, Slave with oval and large detection area, for surface mounting
- Great energy-saving potential, particularly in large rooms and when monitoring large areas
- One Master occupancy detector is necessary for controlling light and heating
- Motion can be detected in all room segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- There are no adjustment elements
- Sensor and power supply in a single housing
- **Typical applications:** monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary



### ■ ACCESSORY (OPTIONAL)

Wire basket



Socket IP54



SM-Socket IP65



Blinds  
see page 102!

Description	Colour	Part number
PD4-S-GH-SM	white	92265
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
Socket IP54	white	92161
SM-Socket IP65 for PD4-SM (IP20)	white	92375



CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

# SLAVE OCCUPANCY DETECTORS (MOTION DETECTOR FOR INSIDE USE)

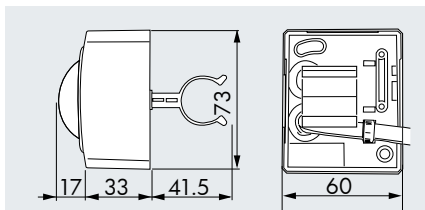
## LUXOMAT® PD5-S-Clip



To clip on T5- and T8-  
fluorescent tubes



Clip



### ■ TECHNICAL DATA

	230V~ ±10%
	○ 360°
	seated Ø 4.00 m
	across Ø 10.00 m
	towards Ø 6.00 m
	IP20 / Class II / CE
	L 91.5 x W 60 x H 73 mm
	-25°C to +50°C
	Housing UV- and shock-resistant polycarbonate

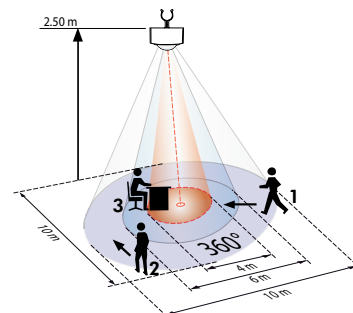
### Slave output

	230V
--	------

▶ Wiring diagrams on page 147 - 154!

### i PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD5-Clip-S, Slave with circular detection area, especially to clip on T5- and T8- fluorescent tubes, for Master/Slave-combination
- Significant energy-saving potential when used on suspended light strips
- One Master occupancy detector is necessary for controlling light and heating
- Motion can be detected in all room segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- There are no adjustment elements
- Sensor and power supply in a single housing
- Typical applications:** offices, production halls, virtually any place where suspended light strips are used



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

Description

PD5-S-Clip

Colour

white

Part number

92316

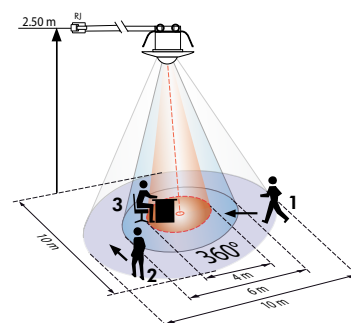
# SLAVE-MINI-OCCUPANCY DETECTOR (MOTION DETECTOR FOR INSIDE USE)

## LUXOMAT® PD9-S-FC



### PRODUCT INFORMATION

- Mini-Occupancy detector **LUXOMAT® PD9-S-FC**, Slave with circular detection area, false ceiling mounting or direct installation in lights for Master/Slave combination
- Occupancy detector with minimal dimensions
- Great energy-saving potential
- One Master occupancy detector is necessary for controlling light and heating
- Power supply fits through hole for sensor part in ceiling (34 mm Ø)
- Motion can be detected in all room segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- There are no adjustment elements
- **Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### TECHNICAL DATA

- ~ 230 V~ ±10%
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- IP □ FC = IP20 / Class II / CEE
- Detector**  
Ø 36 x H 28 mm
- Power supply**  
L 165 x W 24 x H 24 mm
- ° -25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- Slave output**
- Ⓢ 230 V

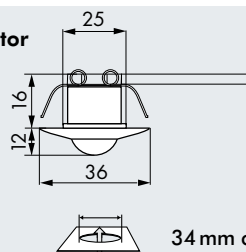
▶ Wiring diagrams on page 147 - 154!

Extreme small dimension



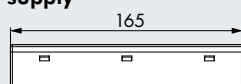
"Size comparison"

Detector



34 mm cut-out

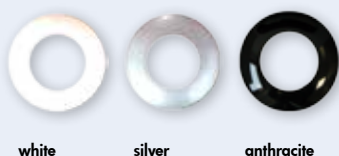
Power supply



L 165 x W 24 x H 24 mm

### ACCESSORY (OPTIONAL)

Cover rings for substitution



white

silver

anthracite

Blinds  
see page 102!

Description	Colour	Part number
PD9-S-FC	white	92905
PD9-S-FC	silver	92906
<b>Accessory (optional)</b>		
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

# SLAVE-MINI-OCCUPANCY DETECTOR (MOTION DETECTOR FOR INSIDE USE)

## LUXOMAT® PD9-S-GH-FC

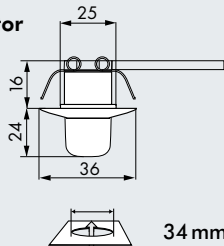


Suitably for high-bay storages



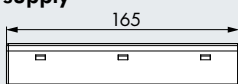
"Size comparison"

Detector



34 mm cut-out

Power supply



L 165 x W 24 x H 24 mm

### TECHNICAL DATA

- 230V ~ ±10 %
- 360°
- max. Ø 6 m
- FC = IP20 / Class II / CENELEC
- Detector**  
Ø 36 x H 40 mm
- Power supply**  
L 165 x W 24 x H 24 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate

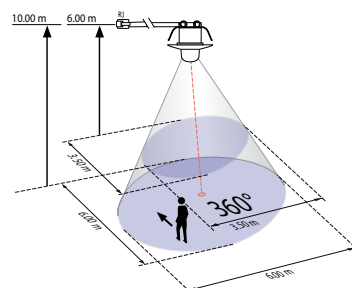
### Slave output

- 230 V

▶ Wiring diagrams on page 147 - 154!

### PRODUCT INFORMATION

- Mini-Occupancy detector **LUXOMAT® PD9-S-GH-FC**, Slave with circular detection area, false ceiling mounting or direct installation in lights for Master/Slave combination
- Occupancy detector with minimal dimensions
- Great energy-saving potential
- One Master occupancy detector is necessary for controlling light and heating
- Power supply fits through hole for sensor part in ceiling (34 mm Ø)
- Motion can be detected in all room segments using Slave
- When a movement is detected, the Slave transmits an impulse to the Master
- The movement is detected independently of light level
- There are no adjustment elements
- **Typical applications:** monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary



### ACCESSORY (OPTIONAL)

Cover rings for substitution



white

silver

anthracite



Blinds  
see page 102!

Description	Colour	Part number
PD9-S-GH-FC	white	92928
PD9-S-GH-FC	silver	92929

### Accessory (optional)

Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235



# SLAVE-MINI-OCCUPANCY DETECTOR (MOTION DETECTOR FOR INSIDE USE)

## LUXOMAT® PICO-S-FC

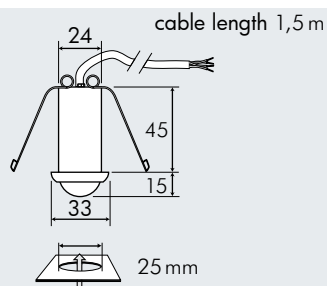


Extreme small dimension  
IP 65



"Size comparison"

**NEW!**



### ■ TECHNICAL DATA

	230 V~ ±10 %
	○ 360°
	seated Ø 4.00 m
	across Ø 10.00 m
	towards Ø 6.00 m
	FC = IP65 / Class II / Cc
	Ø 33 x H 60 mm
	-25°C to +50°C
	Housing UV- and shock-resistant polycarbonate

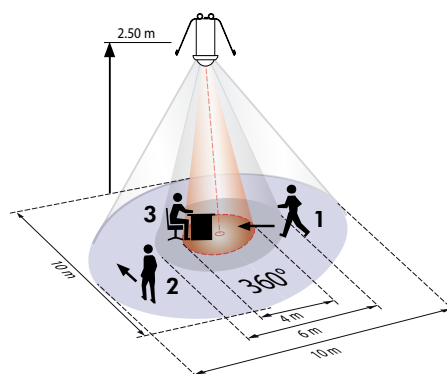
### Slave output

	230 V
--	-------

▶ Wiring diagrams on page 147 - 154!

### i PRODUCT INFORMATION

- Occupancy detector for inside use LUXOMAT® PICO-S-FC as Master version for surface, false ceiling and flush mounting with circular detection area
- Occupancy detector with minimal dimensions
- Great energy-saving potential
- One Master occupancy detector is necessary for controlling light and heating
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Without additional power supply
- For installation in luminaires with clamping ring or with spring clamps for ceiling mounting
- Cable length 1,5 m
- Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

Description	Colour	Part number
PICO-S-FC	white	92700

### LUXOMAT® PD2-M-2C-11-48V-SM/-FC



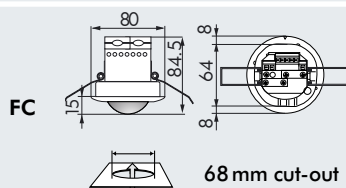
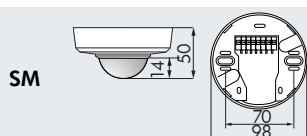
For 11-48V



SM



FC



#### TECHNICAL DATA

- 11-48 VAC/DC
- $\bigcirc$  360°
- seated  $\varnothing$  4.00 m
- across  $\varnothing$  10.00 m
- towards  $\varnothing$  6.00 m
- SM/FC = IP20 / Class II / CEE
- SM**  $\varnothing$  98 x H 50 mm  
**FC**  $\varnothing$  80 x H 84.5 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- IR-PD-2C, IR-PD-Mini

#### Channel 1 and Channel 2

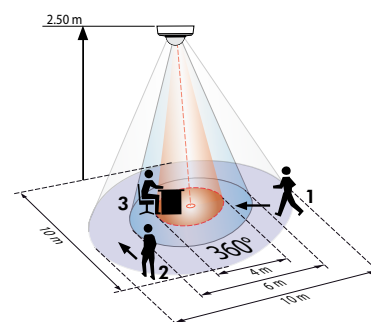
One floating NO each

**Version 3A:** 3 A,  $\cos\varphi = 1$ **Version RR:** with reed relay, 100 mA,  $\cos\varphi = 1$  for particularly low-noise switching**Channel 1:** 15 sec. - 30 min. or impulse**Channel 2:** Alarm-impulse, impulse or 5 - 120 min.

10 - 2000 Lux

#### PRODUCT INFORMATION

- Occupancy detector for inside use **LUXOMAT® PD2-M-2C-11-48V-3A** (3 A version) as well as PD2-M-2C-11-48V-RR (version with reed relay, extra low-noise switching) to connect on a 11-48V-supply (proprietary BUS-system)
- Two switching channels with each one potential-free make contacts
- Many programmes adjustable with the remote control **LUXOMAT® IR-PD-2C**
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

- ▶ Wiring diagrams on page 155!
- ▶ 11-48 V devices are suitable for all proprietary bus systems where a floating motion signal is provided on the BUS.
- ▶ A switch can also be used as an option to provide a light sensor signal via channel 1 that is proportional to the resistance.
- ▶ 11-48 V devices can also be used as 11-48 V Slave devices.
- ▶ Remote control on page 128, 126!

#### ACCESSORY (OPTIONAL)

IR-PD-2C



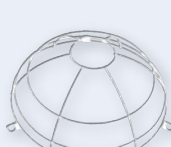
(to order separately)

IR-PD-Mini



(to order separately)

Wire basket



Socket IP54



Blinds see page 102!

Slaves PD2-M-2C-11-48V see page 82!

Description	Colour	Part number
PD2-M-2C-11-48V-3A-SM	white	92154
PD2-M-2C-11-48V-RR-SM	white	92305
PD2-M-2C-11-48V-3A-FC	white	92164
PD2-M-2C-11-48V-RR-FC	white	92306

#### Accessory (optional)

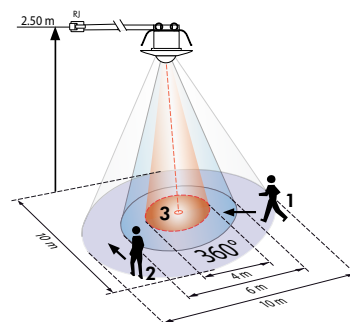
Wire basket BSK	white	92199
LUXOMAT® IR-PD-2C	grey	92475
LUXOMAT® IR-PD-Mini	grey	92159
Socket IP54 for PD2-SM	white	92161

### LUXOMAT® PD9-1C-12-48V-FC



#### PRODUCT INFORMATION

- One channel to switch the lighting
- In spite of small dimensions it switches all types of light fixtures using high performance relay with in rush current limitation especially for electronic ballasts.
- Special version with spring-clamps for easy and time-saving installation into ceilings or directly built into light fittings
- Power supply fits through hole for sensor part in ceiling
- **Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools



- 1 Walking towards
- 2 Walking across
- 3 Smaller movements

#### TECHNICAL DATA

- ~ 12-48 VAC/DC
- 360°
- across Ø 10.00 m  
towards Ø 6.00 m
- IP □ FC = IP20 / Class II / CEE
- Detector**  
Ø 36 x H 37 mm
- Power supply**  
L 165 x W 24 x H 24 mm
- 🌡 -25°C to +50°C
- ☐ Housing UV- and shock-resistant polycarbonate
- Channel 1 (Control the lighting)**
- ⚡ 1000 W,  $\cos \varphi = 1$ ;  
500 VA,  $\cos \varphi = 0.5$ ,
- 🕒 30 sec. - 30 min. or impulse
- ☀ 10 - 2000 Lux

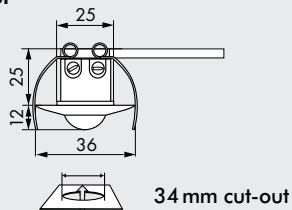
- ▶ For maximum number of connectable lights, see page 38!
- ▶ Installation note - Arc extinction kit: on page 102!

Extreme small dimension

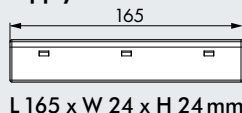


"Size comparison"

#### Detector



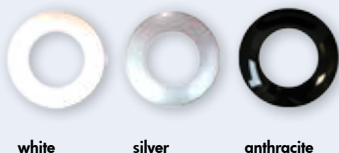
#### Power supply



L 165 x W 24 x H 24 mm

#### ACCESSORY (OPTIONAL)

Cover rings for substitution



white

silver

anthracite

Blinds  
see page 102!

Arc extinction kit  
see page 102!

Description	Colour	Part number
PD9-1C-12-48V-FC	white	92985
<b>Accessory (optional)</b>		
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

## LUXOMAT® PD1N-KNX-FC


**PRODUCT INFORMATION**

- Occupancy detector **LUXOMAT® PD1N-KNX-DE** for building services engineering, which based on KNX-BUS-network (European Installation Bus)

**Application examples:**

- conference rooms, class rooms, single offices, garages

**Application possibilities:**

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:

- Standard mode (semi-automatic or fully automatic mode (**switching**))

- Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**

- Slave mode

- Permanent dimmer (light control that is not dependent on presence)

- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)

- Target values can be changed using a communication object.

- Soft start to slowly switch on the lighting to the target value

- Reflection factor for improved adjustment to the ambient conditions

- HVAC channels (switch channels) can now be switched using a pushbutton

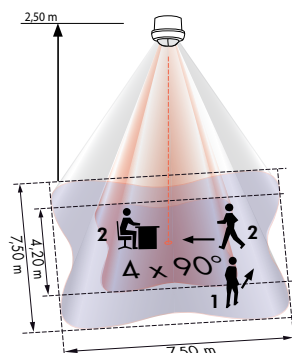
**Main communications objects:**

- 1x switch outlet or 2x light regulator outlets
- 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
- Issuing of the currently measured lux value

**TECHNICAL DATA**

- 24 VDC from KNX-BUS
- 4 x 90°
- seated 4.20 x 4.20 m
- across 7.50 x 7.50 m
- towards 4.50 x 4.50 m
- FC = IP20 / Class II / CEE
- FC Ø 106 x H 73 mm
- 25°C to +50°C
- Housing UV- and shock-resistant polycarbonate
- for integration in KNX-BUS systems**

- Before programming, please note the device and software version.
- Wiring diagrams on page 155!

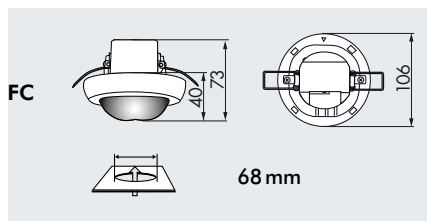


- 1 Walking towards
- 2 Walking across and seated activity



FC

NEW!

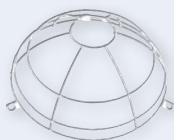


FC

68 mm

**ACCESSORY (OPTIONAL)**

Wire basket

Slaves PD1N-KNX  
see page 92!

Description	Colour	Part number
PD1N-KNX-FC	white	92508
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199



## LUXOMAT® PD2-DIM-KNX/EIB-SM/-FC/-FM



For KNX



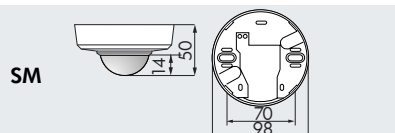
SM



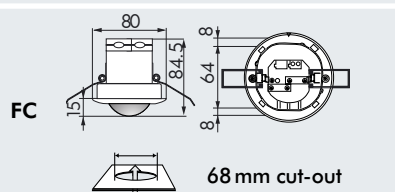
FC



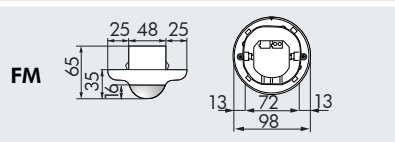
FM



SM



FC

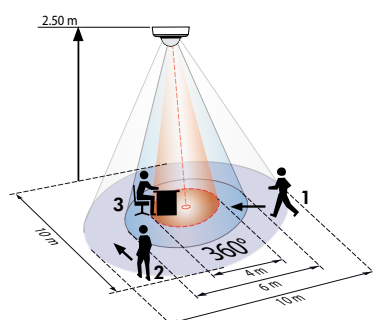


FM

## ■ TECHNICAL DATA

- 24 VDC from KNX-BUS network
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- SM/FC/FM = IP20 / Class II / C €
- SM Ø 98 x H 50 mm
- FC Ø 80 x H 84.5 mm
- FM Ø 98 x H 65 mm
- 25°C to +55°C
- Housing UV- and shock-resistant polycarbonate
- For integration in KNX-BUS systems**

- ▶ Before programming, please note the device and software version.
- ▶ Wiring diagrams on page 155!



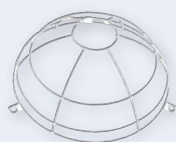
- 1 Walking towards
- 2 Walking across
- 3 Seated activity

## i PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD2-DIM-KNX/EIB for building services engineering, which based on KNX-BUS-network (European Installation Bus).
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals
- **Dimming version:**
  - With integrated bus coupler! Connection via WAGO standard bus connector
  - When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:
    - Standard mode (semi-automatic or fully automatic mode (**switching**))
    - Semi-automatic or fully automatic mode with **constant light control (dimming)**
    - Slave mode
    - Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- Reflection factor for improved adjustment to the ambient conditions
- HVAC channels (switch channels) can now be switched using a pushbutton

## ■ ACCESSORY (OPTIONAL)

Wire basket



Socket IP54

Blinds  
see page 102!Slaves PD2-DIM-KNX/EIB  
see page 93!

Description	Colour	Part number
PD2-DIM-KNX/EIB-SM	white	92430
PD2-DIM-KNX/EIB-FC	white	92431
PD2-DIM-KNX/EIB-FM	white	92432
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
Socket IP54 for PD2-SM	white	92161

CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD4-DIM-KNX/EIB-SM/-FC/-FM



For KNX



SM



FC

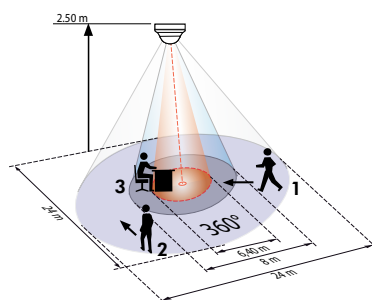


FM

## TECHNICAL DATA

- 24 VDC from KNX-BUS network
- 360°
- seated  $\varnothing$  6.40 m
- across  $\varnothing$  24.00 m
- towards  $\varnothing$  8.00 m
- SM/FC/FM = IP20 / Class II / C C
- $-25^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$
- Housing UV- and shock-resistant polycarbonate
- For integration in KNX-BUS systems**

- ▶ Before programming, please note the device and software version.
- ▶ Wiring diagrams on page 155!



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

## PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD4-DIM-KNX/EIB for building services engineering, which based on KNX-BUS-network (European Installation Bus).

## ■ Typical applications:

monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls

## Dimming version:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:

- Standard mode (semi-automatic or fully automatic mode (**switching**))
- Semi-automatic or fully automatic mode with **constant light control (dimming)**
- Slave mode
- Permanent dimmer (light control that is not dependent on presence)

- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)

- Target values can be changed using a communication object.

- Soft start to slowly switch on the lighting to the target value

- Reflection factor for improved adjustment to the ambient conditions

- HVAC channels (switch channels) can now be switched using a pushbutton

## ACCESSORY (OPTIONAL)

Wire basket



Socket IP54



SM-Socket IP65



Blinds  
see page 102!



Slaves PD2-DIM-KNX/EIB  
see page 94!

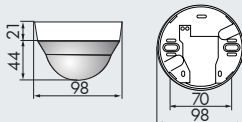
Description	Colour	Part number
PD4-DIM-KNX/EIB-SM	white	92433
PD4-DIM-KNX/EIB-FC	white	92434
PD4-DIM-KNX/EIB-FM	white	92435
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161
SM-Socket IP65 for PD4-SM (IP20)	white	92375

## LUXOMAT® PD4-DIM-KNX/EIB-GH-SM

For KNX  
and high elevations

SM

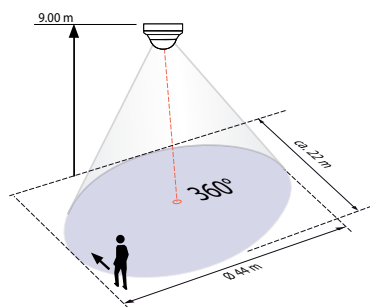
SM



## ■ TECHNICAL DATA

- 24 VDC from KNX-BUS network
- 360°
- across Ø 44.00 m
- SM = IP20 / Class II / C<sub>0</sub>
- Ø 98 x H 65 mm
- 25°C to +55°C
- Housing UV- and shock-resistant polycarbonate
- For integration in KNX-BUS systems**

- ▶ Before programming, please note the device and software version.
- ▶ Wiring diagrams on page 155!



## i PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD4-DIM-KNX/EIB-GH-SM (surface mounting version) for building services engineering, which based on KNX-BUS-network (European Installation Bus).

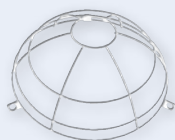
- **Typical applications:** monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary

**Dimming version:**

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode (**switching**))
  - Semi-automatic or fully automatic mode with **constant light control (dimming)**
  - Slave mode
  - Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- Reflection factor for improved adjustment to the ambient conditions
- HVAC channels (switch channels) can now be switched using a pushbutton

## ■ ACCESSORY (OPTIONAL)

Wire basket



Socket IP54



SM-Socket IP65


 Blinds  
see page 102!

 Slaves PD4-DIM-KNX/  
EIB-GH see page 95!

Description	Colour	Part number
PD4-DIM-KNX/EIB-GH-SM	white	92454
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161
SM-Socket IP65 for PD4-SM (IP20)	white	92375

CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

## LUXOMAT® PD4-DIM-KNX/EIB-C-SM/FC/FM



For KNX with  
narrow detection area



SM



FC



FM

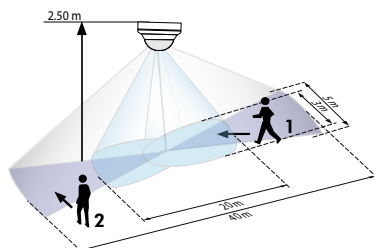
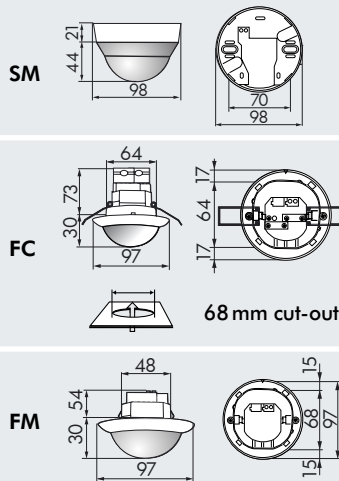
### ■ TECHNICAL DATA

- 24 VDC from KNX-BUS network
- 360°
- across Ø 40.00 m  
towards Ø 20.00 m
- SM/FC/FM = IP20 / Class II / C<sub>0</sub>
- SM Ø 98 x H 65 mm  
FC Ø 97 x H 103 mm  
FM Ø 97 x H 84 mm
- 25°C to +55°C
- Housing UV- and shock-resistant polycarbonate
- For integration in KNX-BUS systems**

- ▶ Before programming, please note the device and software version.
- ▶ Wiring diagrams on page 155!

### ■ PRODUCT INFORMATION

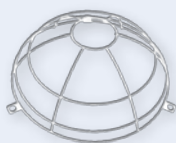
- Occupancy detector LUXOMAT® PD4-DIM-KNX/EIB-C for building services engineering, which based on KNX-BUS-network (European Installation Bus).
- **Typical applications:**  
monitoring of long corridors
- **Dimming version:**
  - With integrated bus coupler! Connection via WAGO standard bus connector
  - When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:
    - Standard mode (semi-automatic or fully automatic mode (**switching**))
    - Semi-automatic or fully automatic mode with **constant light control (dimming)**
    - Slave mode
    - Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- Reflection factor for improved adjustment to the ambient conditions
- HVAC channels (switch channels) can now be switched using a pushbutton



- 1 Walking towards
- 2 Walking across

### ■ ACCESSORY (OPTIONAL)

Wire basket



Socket IP54

Wall bracket for PD4-C-SM  
(also suitable for PD2-/PD4-SM)

SM-Socket IP65


 Blinds  
see page 102!

 Slaves PD4-DIM-KNX/  
EIB-C see page 96!

Description	Colour	Part number
PD4-DIM-KNX/EIB-C-SM	white	92461
PD4-DIM-KNX/EIB-C-FC	white	92456
PD4-DIM-KNX/EIB-C-FM	white	92459
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161
Wall bracket for PD4-C-SM	white	92441
SM-Socket IP65 for PD4-SM (IP20)	white	92375



## LUXOMAT® PD9-DIM-KNX/EIB-FC

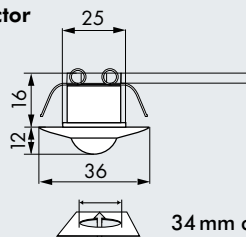


For KNX



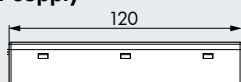
"Size comparison"

Detector



34 mm cut-out

Power supply

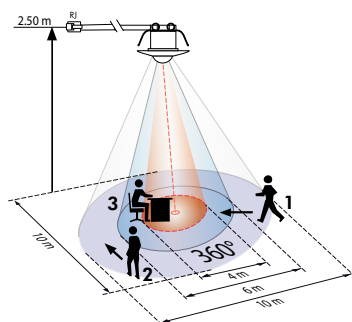


L 120 x W 29 x H 22 mm

### ■ TECHNICAL DATA

- 24 VDC from KNX-BUS network
- 360°
- seated Ø 4.00 m
- across Ø 10.00 m
- towards Ø 6.00 m
- FC = IP20 / Class II / C €
- Detector**  
Ø 36 x H 28 mm
- Power supply**  
L 120 x W 29 x H 22 mm
- 25°C to +55°C
- Housing UV- and shock-resistant polycarbonate
- For integration in KNX-BUS systems**

- ▶ Before programming, please note the device and software version.
- ▶ Wiring diagrams on page 155!



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

### ■ PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD9-DIM-KNX/EIB-FC (false ceiling mounting version) for building services engineering, which based on KNX-BUS-network (European Installation Bus).
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals
- **Dimming version:**
  - With integrated bus coupler! Connection via WAGO standard bus connector
  - When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:
    - Standard mode (semi-automatic or fully automatic mode (**switching**))
    - Semi-automatic or fully automatic mode with **constant light control (dimming)**
    - Slave mode
    - Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- Reflection factor for improved adjustment to the ambient conditions
- HVAC channels (switch channels) can now be switched using a pushbutton

### ■ ACCESSORY (OPTIONAL)

Cover rings for substitution



white

silver

anthracite

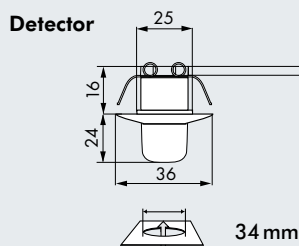
Blinds  
see page 102!Slaves PD9-DIM-KNX/EIB  
see page 97!

Description	Colour	Part number
PD9-DIM-KNX/EIB-FC	white	92437
<b>Accessory (optional)</b>		
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

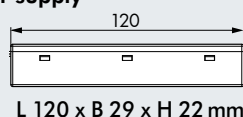
## LUXOMAT® PD9-DIM-KNX/EIB-GH-FC



"Size comparison"



### Power supply



### ■ TECHNICAL DATA

24 VDC from KNX-BUS network

360°

max. Ø 6 mm

FC = IP20 / Class II / C E

#### Detector

Ø 36 x H 40 mm

#### Power supply

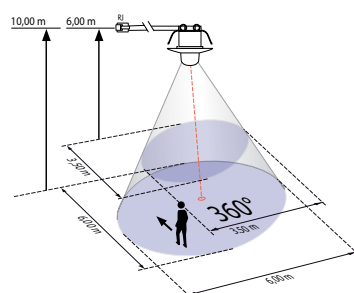
L 120 x B 29 x H 22 mm

-25°C to +55°C

Housing UV- and shock-resistant polycarbonate

**For integration in KNX-BUS systems**

- ▶ Before programming, please note the device and software version.
- ▶ Wiring diagrams on page 155!



### ■ PRODUCT INFORMATION

Occupancy detector **LUXOMAT® PD9-DIM-KNX/EIB-GH-FC** for building services engineering, which based on KNX-BUS-network (European Installation Bus).

#### ■ Typical applications:

monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary

#### Application possibilities:

■ With integrated bus coupler! Connection via WAGO standard bus connector

■ When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:

- Standard mode (semi-automatic or fully automatic mode (**switching**))
- Semi-automatic or fully automatic mode with **constant light control (dimming)**
- Slave mode
- Permanent dimmer (light control that is not dependent on presence)

■ Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed set-point (specified in %)

■ Target values can be changed using a communication object.

■ Soft start to slowly switch on the lighting to the target value

■ Reflection factor for improved adjustment to the ambient conditions

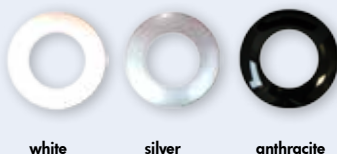
■ HVAC channels (switch channels) can now be switched using a pushbutton

#### ■ Main communications objects:

1. 1x switch outlet or 2x light regulator outlets
2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
3. Issuing of the currently measured lux value

### ■ ACCESSORY (OPTIONAL)

Cover rings for substitution



Blinds see page 102!



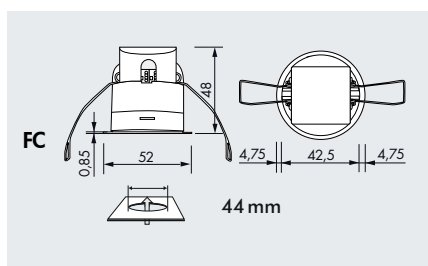
Slaves PD9-DIM-KNX/EIB-GH see page 98!

Description	Colour	Part number
PD9-DIM-KNX/EIB-GH-FC	white	92438
<b>Accessory (optional)</b>		
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

### LUXOMAT® PD11-KNX-FLAT-FC



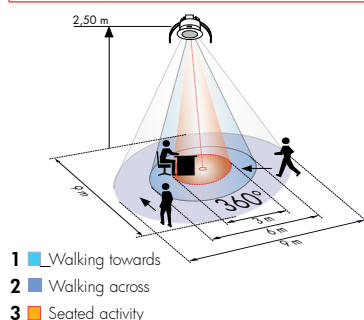
FC



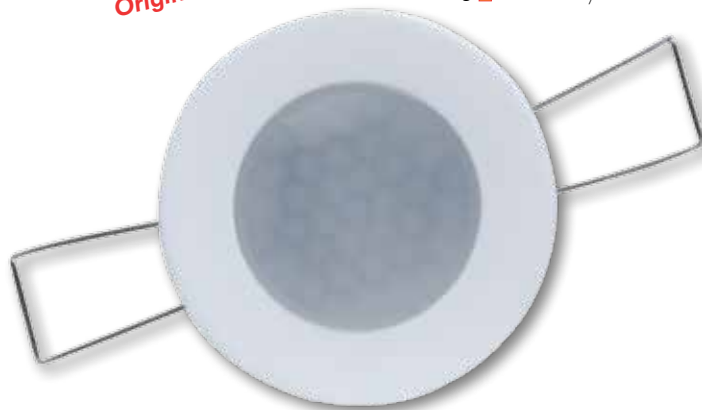
#### ■ TECHNICAL DATA

- 24 VDC from KNX-BUS
- 360°
- seated Ø 3.00 m
- across Ø 6.00 m
- towards Ø 9.00 m
- IP = IP20 / Class II / C<sub>0</sub>
- FC Ø 52 x H 48 mm
- 25°C to +55°C
- Housing UV- and shock-resistant polycarbonate
- for integration in KNX-BUS systems**

- ▶ Before programming, please note the device and software version.
- ▶ Wiring diagrams on page 155!



Original size



#### PRODUCT INFORMATION

- Occupancy detector LUXOMAT® PD11-KNX-FLAT-DE for building services engineering, which based on KNX-BUS-network (European Installation Bus)

- **Application examples:**  
living rooms, offices

#### **Application possibilities:**

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG\_DIM\_HKL\_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode (**switching**))
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- Reflection factor for improved adjustment to the ambient conditions
- HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or 2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

#### ■ ACCESSORY (OPTIONAL)

 Blinds  
see page 102!

 Slaves PD11-KNX-FLAT  
see page 99!

Description	Colour	Part number
PD11-KNX-FLAT-FC	white	92568
<b>Accessory (optional)</b>		
Wire basket BSK	white	92199

## LUXOMAT® PD2-LON-SM/-FC



For LON



SM



FC

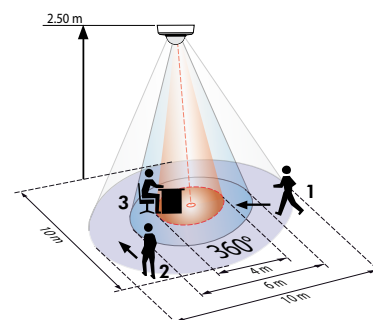
## ■ TECHNICAL DATA

	24 VDC
	○ 360°
	seated Ø 4.00 m
	across Ø 10.00 m
	towards Ø 6.00 m
	SM/FC = IP20 / Class II / Cc
	SM Ø 98 x H 50 mm
	FC Ø 80 x H 84.5 mm
	-25°C to +50°C
	Housing UV- and shock-resistant polycarbonate
	RC-LLW
	For integration in LON-BUS systems

- ▶ Remote control on page 141!
- ▶ Start-up must be performed by a LON system integrator.

## i PRODUCT INFORMATION

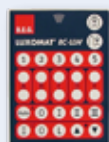
- Remote controllable occupancy detector for inside use LUXOMAT® PD2-LON with circular detection area, for surface and false ceiling mounting for building services engineering, which based on LON-network
- With integrated FTT10-BUS-coupling device, i.e. voltage over 24 V with separate wire
- The following variables are made available:
  - Lightsensor/ 20100
  - Occupancy sensor/ 20106
  - Occupancy controller/ 21504
  - Constant light controller/ 21502
  - Space comfort controller/ 23200
  - Switch/ 21201
  - Scene panel/ 21205
- A local overriding of the adjustments of the LON client software with the optional remote control LUXOMAT® RC-LLW is possible
- **Typical applications:** offices, conference rooms, schools, nursery schools, hospitals



- 1 Walking towards
- 2 Walking across
- 3 Seated activity

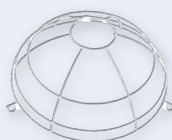
## ■ ACCESSORY (OPTIONAL)

RC-LLW



(to order separately)

Wire basket



Socket IP54

Blinds  
see page 102!

Description	Colour	Part number
PD2-LON-SM	white	92300
PD2-LON-FC	white	92301
<b>Accessory (optional)</b>		
LUXOMAT® RC-LLW	grey	92332
Wire basket BSK	white	92199
Socket IP54	white	92161



## LUXOMAT® PD9-LON-FC



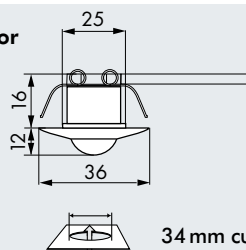
For LON



"Size comparison"

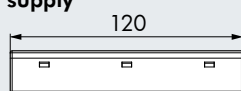
**NEW!**

Detector



34 mm cut-out

Power supply



L 120 x W 29 x H 22 mm

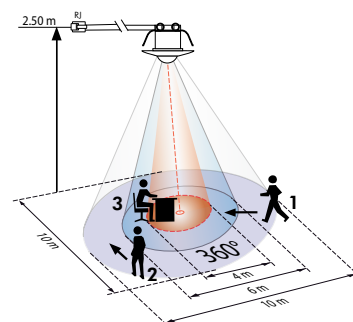
### ■ TECHNICAL DATA

	24 VDC
	○ 360°
	seated Ø 4.00 m
	across Ø 10.00 m
	towards Ø 6.00 m
	FC = IP20 / Class II / C €
	<b>Detector</b> Ø 36 x H 28 mm
	<b>Power supply</b> L 120 x W 29 x H 22 mm
	-25°C to +50°C
	Housing UV- and shock-resistant polycarbonate
	RC-LLW
	<b>For integration in LON-BUS systems</b>

- ▶ Remote control on page 141!
- ▶ Start-up must be performed by a LON system integrator.

### i PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® PD9-LON with circular detection area, for false ceiling mounting for building services engineering, which based on LON-network
- With integrated FTT10-BUS-coupling device, i.e. voltage over 24V with separate wire
- The following variables are made available:
  - Lightsensor/ 20100
  - Occupancy sensor/ 20106
  - Occupancy controller/ 21504
  - Constant light controller/ 21502
  - Space comfort controller/ 23200
  - Switch/ 21201
  - Scene panel/ 21205
- A local overriding of the adjustments of the LON client software with the optional remote control LUXOMAT® RC-LLW is possible
- **Typical applications:** offices, conference rooms, hospitals, galleries, nursery schools



- 1 ■ Walking towards
- 2 ■ Walking across
- 3 ■ Seated activity

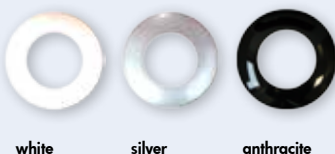
### ■ ACCESSORY (OPTIONAL)

RC-LLW



(to order separately)

Cover rings for substitution



white

silver

anthracite

Blinds  
see page 102!

Description	Colour	Part number
PD9-LON-FC	white	92930
<b>Accessory (optional)</b>		
LUXOMAT® RC-LLW	grey	92332
Cover ring for PD9 (36 mm)	white, RAL9010	92238
Cover ring for PD9 (36 mm)	silver, RAL9006	92237
Cover ring for PD9 (36 mm)	anthracite, RAL7021	92235

CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

# COVER AND BLINDS FOR RESTRICTING THE DETECTION AREA FOR **B.E.G.** OCCUPANCY DETECTORS

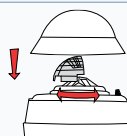
- Blinds ensure that the detectors' detection area is adapted to the local circumstances. Sources of interference or unwanted areas can be eliminated from the area subject to motion detection. Blinds are included with the product. More can be ordered, if needed.

## Blinds for **B.E.G.** occupancy detectors

### ■ LUXOMAT® PD2, PD4 – SM-version – Part nr. 92260



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



Example PD4-SM



PD4-SM with blinds

### ■ LUXOMAT® PD4 – FC- and FM-version – Part nr. 32701



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

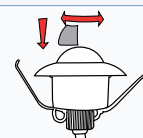


Example PD4-FM



PD4-FM with blinds

### ■ LUXOMAT® Mini motion detector PD9 – Part nr. 32702

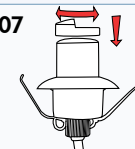


PD9-FC



PD9-FC with blinds

### ■ LUXOMAT® Mini motion detector PD9-GH for great heights – Part nr. 33207



PD9-GH-FC



PD9-GH-FC with blind

### ■ Installation note - Arc extinction kit

- In some cases of switching inductive loads e.g. relays, rockerswitches, fluorescent lamps, transformers etc, the motion detector may be retriggered again due to the high inductive voltage. In those cases the above kit is recommended to be switched parallel to the load i.e. between L' and Neutral.
- Wiring diagrams on page 143!

## Arc extinction kit for **B.E.G.** occupancy detectors

### ■ LUXOMAT® Arc extinction kit – Part nr. 10880



L 62 x W 39 x H 24 mm

### ■ LUXOMAT® Mini-Arc extinction kit – Part nr. 10882



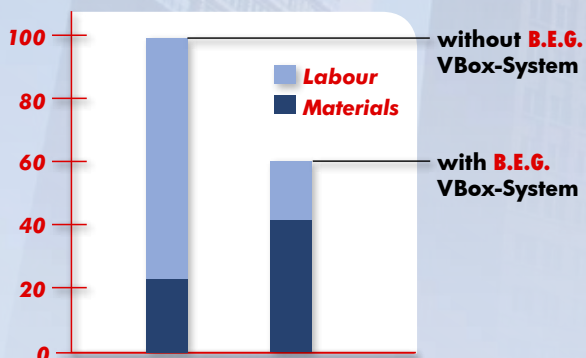
L 50 x W 22 x H 10 mm

#### Suitable for all motion and occupancy detectors

- For protection of inductive circuits to 230V~, e.g. contactors, fluorescent lamps and transformers, when the induction voltage of these devices leads to reswitch-on (measures).
- The arc extinction kit should preferably be used in the causes close to the voltage peak, ie of the connected load.

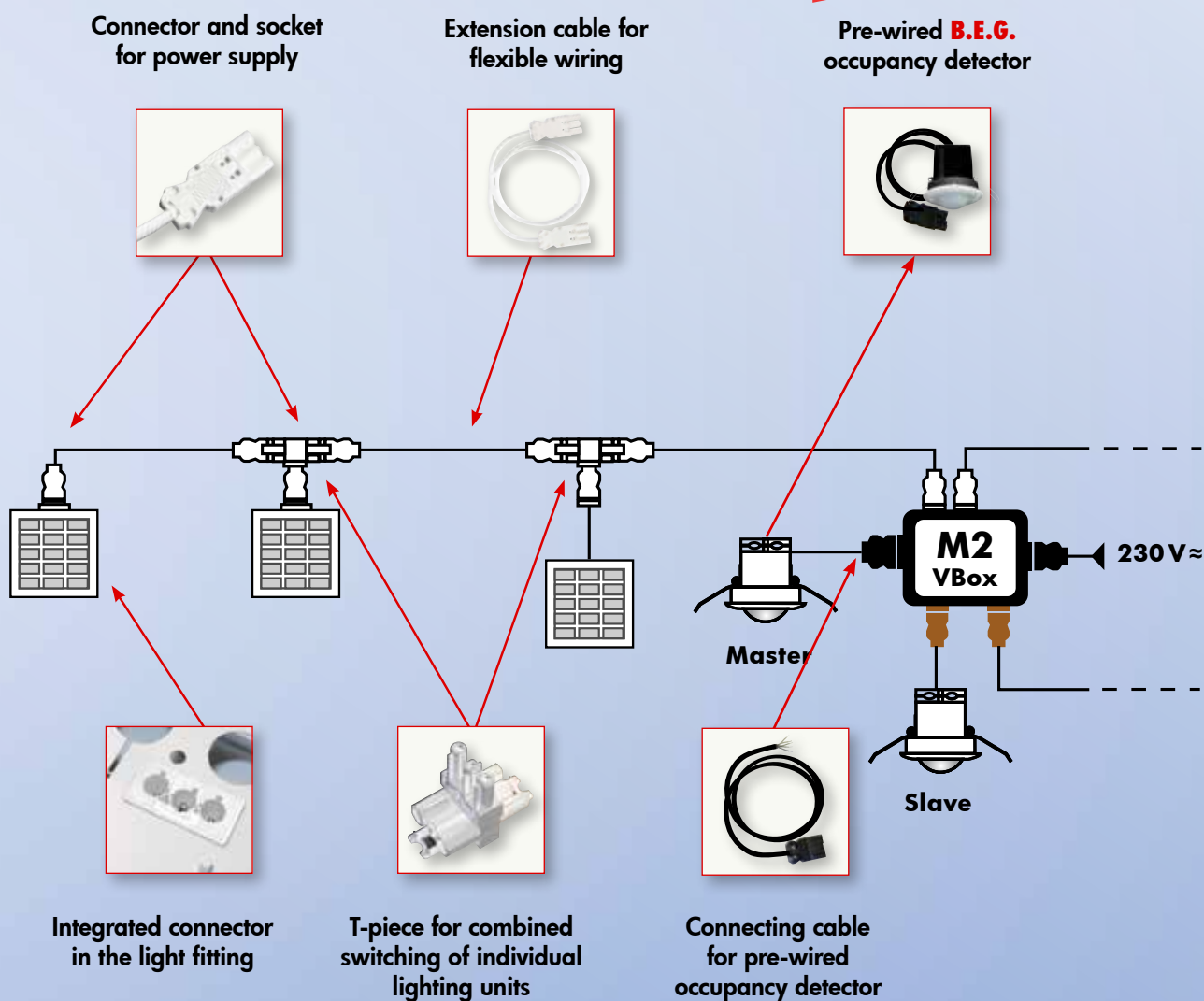
plug and play

**COST COMPARISON [in %]**



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

For additional information, please request our VBox catalogue.

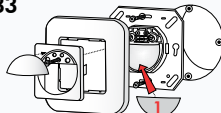


CEILING-MOUNTED  
OCCUPANCY  
DETECTORS

- Blinds ensure that the detectors' detection area is adapted to the local circumstances. Sources of interference or unwanted areas can be eliminated from the area subject to motion detection. Cover blinds are already supplied as standard. Additional blinds can be ordered separately if required.

## Cover for B.E.G. motion detectors

## ■ LUXOMAT® Indoor 180 – Part no. 33233



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



Indoor 180 with blind

## Arc extinction kit for B.E.G. ceiling-mounted motion detectors

## ■ LUXOMAT® Arc extinction kit – Part nr. 10880



L 62 x W 39 x H 24 mm

## ■ LUXOMAT® Mini-Arc extinction kit – Part nr. 10882



L 50 x W 22 x H 10 mm

## SWITCHING WITH 1 OR 2-CHANNEL MOTION DETECTORS WITH SIMPLE LIGHT MEASUREMENT

Motion detector	Page				Clip	Simple light measurement	Motion detection	Remote controllable	Range	Additional functions
Indoor 180-R (EU version)	107	–	–	92623	–	■	■	–	max. r = 10 m	Relay version with Acoustic
Indoor 180-R (UK version)	107	–	–	92610	–	■	■	–	max. r = 10 m	Relay version with Acoustic
Indoor 180-R-2D	108	–	–	92616	–	■	■	–	max. r = 10 m	Relay version with Acoustic
Indoor 180-R/2W-UK	108	–	–	92615	–	■	■	–	max. r = 10 m	Relay version with Acoustic
Indoor 180-T	107	–	–	92622	–	■	■	–	max. r = 10 m	Triac version with Acoustic
Indoor 180-SC	109	–	–	92650	–	■	■	–	max. r = 10 m	for staircase switches

## SWITCHING WITH 1 OR 2-CHANNEL MASTER WITH DAYLIGHT APPRAISAL

Occupancy detector	Page				Clip	Daylight measurement	Motion detection	Remote controllable	Range	Additional functions
Indoor 180-M-2C	111	–	–	92136	–	■	■	■	max. r = 10 m	–

## INEXPENSIVE EXTENSION OF THE DETECTION AREA WITH SLAVE OCCUPANCY DETECTORS

Occupancy detector	Page				Clip	Daylight measurement	Motion detection	Remote controllable	Range	Additional functions
Indoor 180-S	112	–	–	92135	–	–	■	–	max. r = 10 m	–

## 11-48 V OCCUPANCY DETECTORS

Occupancy detector	Page				Clip	Daylight measurement	Motion detection	Remote controllable	Range	Additional functions
Indoor 180-R-11-48V-3A	113	–	–	92666	–	■	■	–	max. r = 10 m	–
Indoor 180-R-11-48V-RR	113	–	–	92667	–	■	■	–	max. r = 10 m	with reed relay

## OCCUPANCY DETECTORS FOR KNX BUS FOR SWITCHING OR DIMMING

Occupancy detector	Page				Clip	Daylight measurement	Motion detection	Remote controllable	Range	Additional functions
Indoor 180-DIM-KNX/EIB	114	–	–	92436	–	■	■	–	max. r = 10 m	for dimming

## OCCUPANCY DETECTORS FOR LON BUS

Occupancy detector	Page				Clip	Daylight measurement	Motion detection	Remote controllable	Range	Additional functions
Indoor 180-LON	115	–	–	92663	–	■	■	■	max. r = 10 m	–





## LUXOMAT® Motion and occupancy detectors for wall mounting indoors



Living areas



Corridors



Staircases



Washrooms



Garages



On lifts

### Save energy throughout the home

This combination of motion detector and acoustic sensor is both innovative and unique\*. When a movement is detected, the **LUXOMAT®** Indoor 180 switches on the connected lighting. Once activated, any movement or noise will restart the adjustable switching time.

If no more movements or sounds are detected or if the area is exited, the **LUXOMAT®** Indoor 180 automatically switches the light off again. When switched off, the light can be switched on again if noise or movement is detected within the next eight seconds. If this time elapses, just one movement is required to trigger a new switching operation. This switch combination prevents accidental activation by background noise.

The **LUXOMAT®** Indoor 180 automatic light switch saves energy by switching light on demand, both in both private and commercial premises. Staircases, hallways, entrances, kitchens and toilets in apartments, houses, pubs, hotels, offices and hospitals are ideal areas of application. The IP54 version of the **LUXOMAT®** Indoor 180 can also be used for damp areas such as cellar steps or garages.

\*Acoustic sensor in relay and triac versions

Index	Page	
3-wire version	107	
2-wire version	108	
Pulse switch for stair light switches	109 - 110	
Switching with 2-channel occupancy detector Master	111	
Slave devices	112	
11-48 V devices	113	
KNX-BUS	114	
LON-BUS	115	



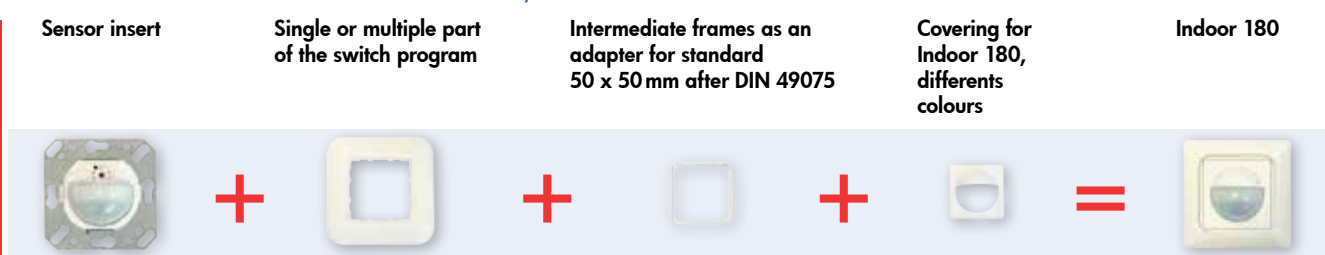
## ■ INDOOR 180 – FLUSH MOUNT, IP20



## ■ INDOOR 180 – FLUSH MOUNT, IP54



## ■ COMBINED WITH OTHER OPERATING SYSTEMS, SEE TABLE BELOW



## ■ EXTRACT FROM THE MOST POPULAR BRANDS SWITCH PROGRAMS

Switch program	Intermediate frames / Serie	Colour		Part number
Busch-Jaeger*1	Duro 2000 SI	cream white	RAL1013	1746-212-101
	Reflex SI	pure white	RAL9010	1746-214-101
	alpha exclusive	traffic white	RAL9016	1746/10-24G
	alpha nea	cream white	RAL1013	1746/10-22G
Gira*2	System 55	pure white	RAL9010	28227
		anthracite		28228
	Surface	pure white	RAL9010	28255
		cream white	RAL1013	28254
	S-Color	pure white	RAL9010	28240
	Silver	varnished		28220
Merten*3	System M	pure white	RAL9010	518119
		pure white	RAL9010	516099
	Surface	cream white	RAL1013	516094
		pure white	RAL9010	517119
	Base	cream white	RAL1013	517174
		cream white	RAL1013	110902
Berker*4	Modul 2	pure white	RAL9010	110909
		pure white	RAL9010	11091909
	S.1, B.1, B.3, B.7	anthracite	RAL7021	11091606
		alu		11091404
	Arsys	cream white	RAL1013	11080002
		pure white	RAL9010	11080069
Jung*5	ST 500, CD plus, CD 500	cream white	RAL1013	590Z
	A 500, A plus	pure white	RAL9010	CD590ZWW
	LS 990	cream white	RAL1013	LS961Z
		pure white	RAL9010	LS961ZWW
PEHA*6	Standard	cream white	RAL1013	80.670ZV w
		pure white	RAL9010	80.670.02ZV
	Dialogue	cream white	RAL1013	95.670.03ZV
		pure white	RAL9010	95.670.02ZV
	Aura	cream white	RAL1013	20.670.02ZV
		pure white	RAL9010	20.670.02ZV

Intermediate frames for mounting commercial equipment in accordance after DIN 49075 with covering of 50 x 50 mm.

Intermediate frames, also in other colours, are available in retailers.

Colour variations are possible, as the RAL indication is provide with the tip "similar" and the materials and surfaces are vary.

Registered trademark of the company:

\*1 = BuschJaeger Elektro GmbH

\*2 = Gira Giersipen GmbH & Co. KG

\*3 = Merten GmbH & Co. KG

\*4 = Berker GmbH & Co. KG

\*5 = Albrecht Jung GmbH & Co. KG

\*6 = Paul Hochköpper GmbH & Co. KG

### LUXOMAT® Indoor 180-R and Indoor 180-T



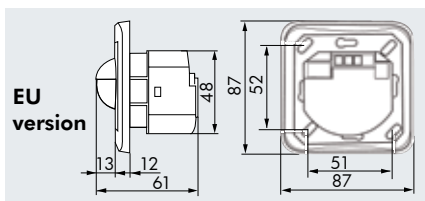
With acoustic-sensor



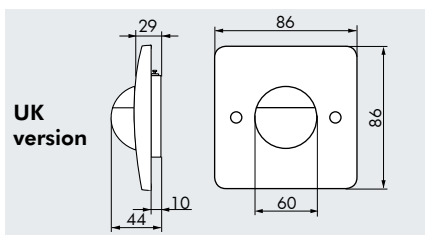
European version



UK version



EU version



UK version

#### TECHNICAL DATA

- 230V~ ±10%
- 180°
- max. 10.00 m
- IP20 / Class II / Cc
- European version**  
L87 x W87 x D61 mm
- UK version**  
L86 x W86 x D44 mm
- 25°C to +50°C
- UV- and shock-resistant polycarbonate
- 180-R**  
2300 W, cos φ = 1;
- 180-T**  
max. 300 W / min. 60 W
- 15 sec. - 16 min. or impulse
- 2 - 2000 Lux

- ▶ Wiring diagrams on page 144, 146!
- ▶ Application examples on page 165, 175!
- ▶ The Acousticphone in the Indoor 180-R and 180-T is only active after detection of motion!
- ▶ Installation note - Arc extinction kit: on page 102!

Range diagram see page 108!

#### PRODUCT INFORMATION

- Combined motion detector and acoustic sensor as wall switch LUXOMAT® Indoor 180-R/-T-FM with 180° detection area
- **European version:** combinable with coverings in five different colours
- **European version:** for the combination with switches of leading manufacturers the enclosed additional intermediate frame can be used
- Version IP20 and IP54 (only European version – for moisture-proofs, garages, cellar steps)
- Light sensor, acoustic sensitivity and follow-up time are adjustable
- Installation either at the side of the door or above in a fixing height between 1.10 m and 2.20 m
- **180-R:** relay version in 3-conductor or in 2-conductor (only UK version) engineering for inductive, capacitive and ohmic loads
- **180-T:** triac version in 2-conductor engineering, without neutral conductor, for operation of incandescent lamps up to 300 W
- The detection area can be altered by using the included blinds at the bottom of the detector
- **European version:** surface mount installation is possible with accessory SM-socket (92141)
- **Application examples:** monitoring of public lavatories, corridors, archive rooms, conference rooms
- **Coverings please order separately!**

#### ACCESSORY (OPTIONAL)

Covering IP20



pure white, RAL9010



traffic white, RAL9016



cream white, RAL1013



anthracite, RAL7021



silver, RAL9006

Covering IP54



pure white, RAL9010

SM-Socket



pure white, RAL9010



Blinds see page 104!



Arc extinction kit see page 104!

Description	Colour	Part number
Indoor 180-R, fully fitted (European version)	pure white, RAL9010	92623
Indoor 180-T, fully fitted (European version)	pure white, RAL9010	92622
Indoor 180-R, fully fitted (UK version)	pure white, RAL9010	92610
Sensor insert for Indoor 180-R-FM (European version)	–	92665
Sensor insert for Indoor 180-T-FM (European version)	–	92664
<b>Accessory for sensor insert</b>		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
<b>Accessory (optional)</b>		
SM-Socket for Indoor	pure white, RAL9010	92141

### LUXOMAT® Indoor 180-R-2D / -2W-UK



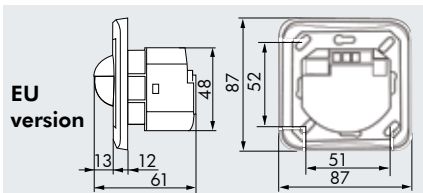
With acoustic-sensor  
no neutral



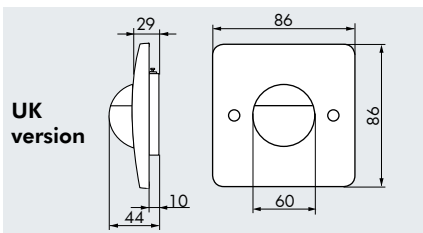
European version



UK version



EU version



UK version

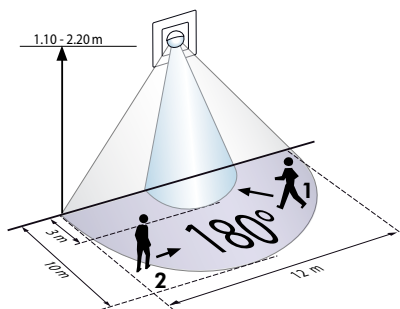
#### TECHNICAL DATA

- 230 V~ ±10%  
6 x NiMH / 30 AAAAH  
1.2 V / 300 mAh
- 180°
- max. 10.00 m
- IP20 / Class II / CE
- 180-R-2D**  
L87 x W87 x D61 mm  
**180-R/2W-UK**  
L86 x W86 x D44 mm
- 25°C to +50°C
- UV- and shock-resistant polycarbonate
- 180-R-2D**  
2300 W, cosφ = 1;  
**180-R/2W-UK**  
3000 W, cosφ = 1
- 15 sec. - 16 min. or impulse
- 2 - 2000 Lux

- ▶ Wiring diagrams on page 145!
- ▶ The Acousticphone is only active after detection of motion!
- ▶ Please check the suitability of the connected load. Especially for small loads, it can in principle lead to restrictions (e.g., weak or flickering glow of the lamp).

#### PRODUCT INFORMATION

- Combined motion detector and acoustic sensor as wall switch **LUXOMAT® Indoor 180-R-2D- / 2W-UK-FM** with 180° detection area
- **180-R-2D:** combinable with coverings in five different colours
- **180-R-2D:** for the combination with switches of leading manufacturers the enclosed additional intermediate frame can be used
- Version IP20 and IP54 (only European version – for moisture-proofs, garages, cellar steps)
- Light sensor, acoustic sensitivity and follow-up time are adjustable
- Installation either at the side of the door or above in a fixing height between 1.10 m and 2.20 m
- Relay version in 2-conductor engineering for inductive, capacitive and ohmic loads, except light fixtures with LED
- The detection area can be altered by using the included blinds at the bottom of the detector
- **180-R-2D:** surface mount installation is possible with accessory SM-socket (92141)
- Minimum 60W load per switch
- **Application examples:**  
monitoring of public lavatories, corridors, archive rooms, conference rooms



- 1 ■ Walking towards
- 2 ■ Walking across

#### ACCESSORY (OPTIONAL)

##### SM-Socket



pure white,  
RAL9010

Blinds  
see page 103!

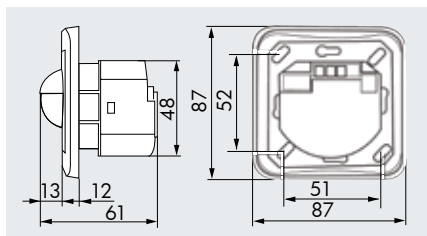
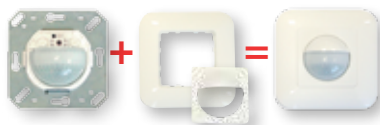
Description	Colour	Part number
Indoor 180-R-2D, fully fitted	pure white, RAL9010	92616
Indoor 180-R/2W-UK, fully fitted (UK version)	pure white, RAL9010	92615
<b>Accessory (optional)</b>		
SM-Socket for Indoor (except for 92615)	pure white, RAL9010	92141



### LUXOMAT® Indoor 180-SC



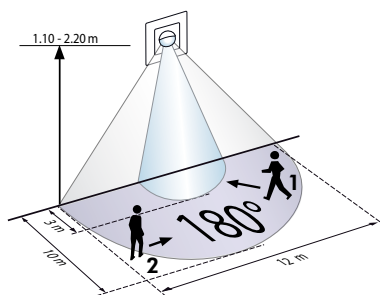
For staircase switches



#### TECHNICAL DATA

- Power supply via staircase switch (230 V)
- 180°
- max. 10.00 m
- IP20 / Class II / CEE
- L 87 x W 87 x D 61 mm
- 25°C to +50°C
- UV- and shock-resistant polycarbonate
- max. 200 mA / 230 V
- Impulse duration: 0.1 sec.  
Suppression of light level threshold: 1 min. - 10 min.
- 2 - 2000 Lux

- ▶ Wiring diagrams on page 145!
- ▶ Application examples on page 166!



- 1 Walking towards
- 2 Walking across

#### PRODUCT INFORMATION

- Motion detector as wall switch LUXOMAT® Indoor 180-SC-FM with 180° detection for control of staircase switches
- Combinable with coverings in five different colours
- For the combination with switches of leading manufacturers the enclosed additional intermediate frame be used
- Light sensor and follow-up time infinitely variable adjustable
- Installation either at the side of the door or above in a fixing height between 1.10 m and 2.20 m
- Triac version in 2-conductor engineering, without neutral conductor, for operation with staircase switches
- Surface mount installation is possible with accessory of SM-socket (92141)
- The detection area can be altered by using the included blinds at the bottom of the detector
- **Application examples:** monitoring of staircases, long corridors – simply replace the button
- **Coverings please order separately!**

#### ACCESSORY (OPTIONAL)

Covering IP20



pure white,  
RAL9010



traffic white,  
RAL9016



cream white,  
RAL1013



anthracite,  
RAL7021



silver,  
RAL9006

Covering IP54



pure white,  
RAL9010

SM-Socket



pure white,  
RAL9010

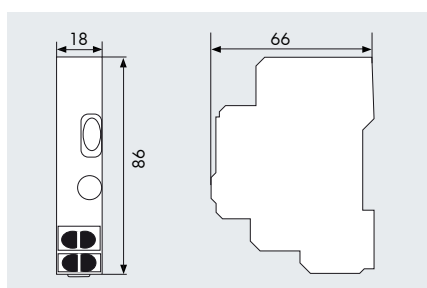
SCT1



Blinds  
see page 104!

Description	Colour	Part number
Indoor 180-SC, fully fitted	pure white, RAL9010	92650
Sensor insert for Indoor 180-SC-FM	–	92668
<b>Accessory for sensor insert</b>		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
<b>Accessory (optional)</b>		
SM-Socket for Indoor	pure white, RAL9010	92141
Stair light switch SCT1	white	92655

### LUXOMAT® SCT1



#### TECHNICAL DATA

	230 VAC $\pm 10\%$ , 50 - 60 Hz
	IP20 / Class II / $\text{C}\text{C}$
	L 18 x W 85 x D 65 mm
	-25°C to +50°C
	UV- and shock-resistant polycarbonate
	2300 W/10 A, $\cos\varphi = 1$ 3 or 4-wire circuit max. 100 mA in standby mode for illuminated switches with glow lamps
	30 sec. - 10 min.

When the SCT1 is used in conjunction with the Indoor 180-SC, existing manual stair light circuits can be upgraded to an automatic system without the need for any complex new wiring. The automatic system only switches on the lighting as required, based on movement and luminosity.

#### PRODUCT INFORMATION

- The LUXOMAT® SCT1 stair light timer switch is easy to install
- The casing used is DIN rail casing the size of a single space unit
- For use with B.E.G. LUXOMAT® Indoor-180-SC stair light switches or for pushbuttons
- Manual switch for timer or continuous light function
- Quick-fitting attachment for 35 mm DIN rail
- The wall switch (Indoor 180-SC, complete: 92650 and sensor insert for the Indoor 180-SC-FM: 92668 available as an accessory) switches on the stair light switches for a period of time that can be selected according to the light conditions present and when a movement is detected.
- Can be retrofitted
- Low-noise
- Advance warning of switch-off for lag times > 2 min.
- **Application examples:** staircases, hallways, underground car parks

#### ACCESSORY (OPTIONAL)

Indoor 180-SC,  
fully fitted



Indoor 180-SC,  
sensor insert

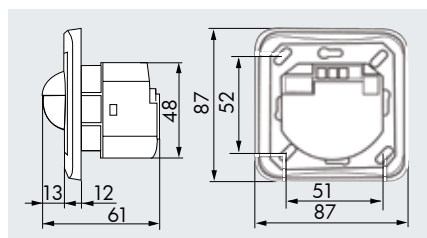
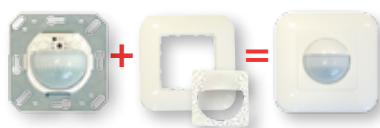


Description	Colour	Part number
SCT 1	white	92655
<b>Accessory (optional)</b>		
Indoor 180-SC, fully fitted	pure white, RAL9010	92650
Sensor insert for Indoor 180-SC-FM	–	92668

### LUXOMAT® Indoor 180-M-2C



Remote controllable



#### TECHNICAL DATA

- 230V~ ±10%
- 180°
- max. 10.00 m
- IP20 / Class II / Cc
- L 87 x W 87 x D 61 mm
- 25°C to +50°C
- UV- and shock-resistant polycarbonate
- IR-PD, IR-PD-Mini
- Channel 1 (control the lighting)**
  - 2300 W, cos φ = 1;  
1150 VA, cos φ = 0.5
  - 15 sec. - 30 min. or impulse
  - 2 - 2000 Lux
- Channel 2 (control HVAC)**
  - Dry contact type NO,  
3A, 230 V, cos φ = 1
  - Alarm impulse, impulse  
or 5 - 120 min.

#### PRODUCT INFORMATION

- Remote controllable occupancy detector LUXOMAT® Indoor 180-M-2C as Master as wall switch with 180° detection area
- Combinable with coverings in five different colours
- For the combination with switches of leading manufacturers the enclosed additional intermediate frame can be used
- 2 switching channels, one to switch the lighting, the second to switch other loads e.g. HVAC by potential free relay of the detector
- The connection of a unlimited number of Slaves is possible!
- Version IP20 and IP54 (only European version – for moisture-proofs, garages, cellar steps)
- Light measuring: mixed light – artificial and daylight (occupancy detector principle)
- Light sensor and follow-up time infinitely variable adjustable
- Installation either at the side of the door or above in a fixing height between 1.10 m and 2.20 m
- Surface mount installation is possible with accessory SM-socket (92141)
- **Application examples:** monitoring of public lavatories, corridors, archive rooms, conference rooms
- **Coverings please order separately!**

Range diagram see page 112!

- ▶ Remote controls on page 125, 126!
- ▶ Wiring diagrams on page 149!
- ▶ Application examples on page 159, 169, 170!

#### ACCESSORY (OPTIONAL)

IR-PD



(to order separately)

IR-PD-Mini



(to order separately)

Covering IP20



pure white, RAL9010

traffic white, RAL9016

cream white, RAL1013

anthracite, RAL7021

silver, RAL9006

Covering IP54



pure white, RAL9010

SM-Socket



pure white, RAL9010



Blinds see page 104!



Arc extinction kit see page 104!



Slaves Indoor 180-S see page 112!

Description	Colour	Part number
Indoor 180-M-2C, fully fitted	pure white, RAL9010	92136
Sensor insert for Indoor 180-M-2C-FM	–	92661
<b>Accessory for sensor insert</b>		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
<b>Accessory (optional)</b>		
LUXOMAT® IR-PD	grey	92160
LUXOMAT® IR-PD-Mini	grey	92159
SM-Socket for Indoor	pure white, RAL9010	92141

## LUXOMAT® Indoor 180-S



### TECHNICAL DATA

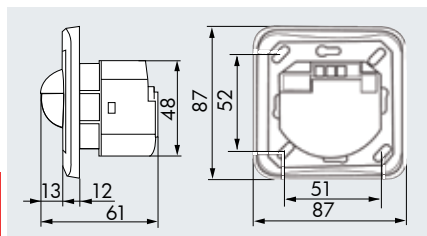
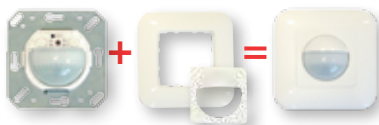
- 230V~ ±10%
- 180°
- max. 10.00 m
- IP20 / Class II / CEE
- L 87 x W 87 x D 61 mm
- 25°C to +50°C
- UV- and shock-resistant polycarbonate

#### Slave output

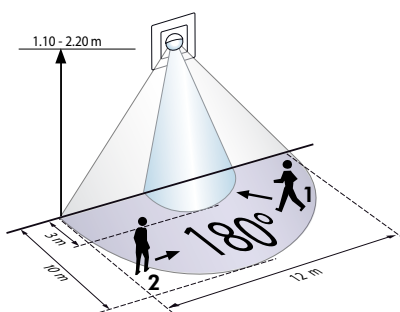
- 230 V

### PRODUCT INFORMATION

- LUXOMAT® Indoor 180-S-FM, Slave, automatic wall switch with 180° detection area for Master/Slave combination
- This slave was specially developed for parallel operation with LUXOMAT® Indoor 180-M-2C
- Combinable with coverings in five different colours
- For the combination with switches of leading manufacturers the enclosed additional intermediate frame can be used
- Version IP20 and IP54 (only European version – for moisture-proofs, garages, cellar steps)
- Significant reduction in day-to-day energy costs with this Master/Slave combination, e.g. when used in corridors or rooms used by the public
- Motion can be detected in all room segments using slave
- When a movement is detected, the slave transmits an impulse to the Master
- The movement is detected independently of light level
- There are no more adjustment elements available
- **Application examples:** monitoring of public lavatories, corridors, archive rooms, conference rooms
- **Coverings please order separately!**



- ▶ Wiring diagram on page 149!
- ▶ Application examples on page 159!



- 1 Walking towards
- 2 Walking across

### ACCESSORY (OPTIONAL)

#### Covering IP20



pure white,  
RAL9010



traffic white,  
RAL9016



cream white,  
RAL1013



anthracite,  
RAL7021



silver,  
RAL9006

#### Covering IP54



pure white,  
RAL9010

#### SM-Socket



pure white,  
RAL9010



Blinds  
see page 103!

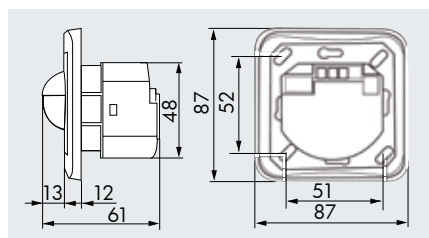
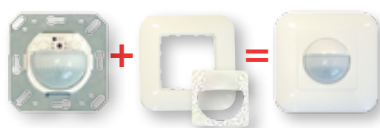
Description	Colour	Part number
Indoor 180-S, fully fitted	pure white, RAL9010	92135
Sensor insert for Indoor 180-S-FM	–	92660
<b>Accessory for sensor insert</b>		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
<b>Accessory (optional)</b>		
SM-Socket for Indoor	pure white, RAL9010	92141



### LUXOMAT® Indoor 180-R-11-48V



With acoustic-sensor



#### TECHNICAL DATA

- 11 - 48 VAC/DC
- 180°
- max. 10.00 m
- IP20 / Class II / CEE
- L 87 x W 87 x D 61 mm
- 25°C to +50°C
- UV- and shock-resistant polycarbonate

#### Channel 1

potential-free contact NO

- Version 3A:** 3 A,  $\cos \varphi = 1$
- Version RR:** with reed relay, 100 mA,  $\cos \varphi = 1$  for extra low-noise switching

**Channel 1:**  
15 sec. - 30 min. / Test

2 - 2000 Lux

- ▶ Wiring diagrams on page 156!
- ▶ The Acousticphone in the Indoor 180-R-11-48V is only active after detection of motion!

#### PRODUCT INFORMATION

- Occupancy detector for inside use LUXOMAT® Indoor 180-R-11-48V-3A (3A-Versions) as well as Indoor 180-R-11-48V-RR (versions with reed relay, extra low-noise switching) to connect on a 11-48V supply (proprietary BUS-system)
- Combinable with coverings in five different colours
- For the combination with switches of leading manufacturers the enclosed additional intermediate frame can be used
- Version IP20 and IP54 (only European version – for moisture-proofs, garages, cellar steps)
- Installation either at the side of the door or above in a fixing height between 1.10 m and 2.20 m
- Surface mount installation is possible with accessory SM-socket (92141)
- **Application examples:** monitoring of public lavatories, corridors, archive rooms, conference rooms
- **Coverings please order separately!**

Range diagram see page 112!

#### ACCESSORY (OPTIONAL)

Covering IP20



pure white,  
RAL9010



traffic white,  
RAL9016



cream white,  
RAL1013



anthracite,  
RAL7021



silver,  
RAL9006

Covering IP54



pure white,  
RAL9010

SM-Socket



pure white,  
RAL9010



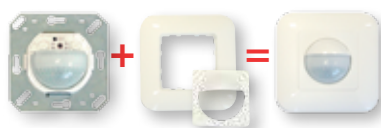
Blinds  
see page 104!

Description	Colour	Part number
Sensor insert for Indoor 180-R-11-48V-3A-FM	–	92666
Sensor insert for Indoor 180-R-11-48V-RR-FM	–	92667
<b>Accessory for sensor insert</b>		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
<b>Accessory (optional)</b>		
SM-Socket for Indoor	pure white, RAL9010	92141

## LUXOMAT® Indoor 180-DIM-KNX/EIB

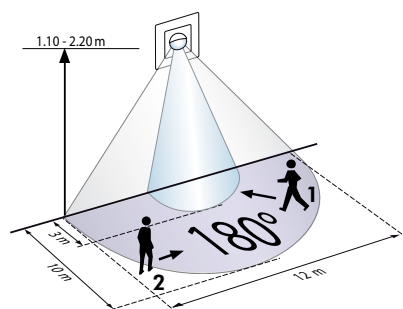
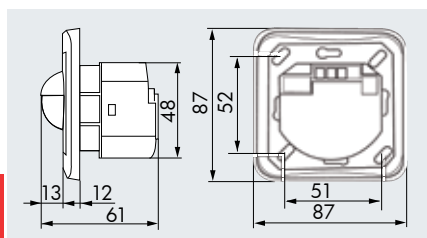


## ■ TECHNICAL DATA



- 24 VDC from KNX-BUS
- 180°
- max. 10.00 m
- IP20 / Class II / CEE
- L 87 x W 87 x D 61 mm
- 25°C to +55°C
- UV- and shock-resistant polycarbonate
- for integration in KNX BUS systems**

Before programming, please note the device and software version.



- 1 Walking towards
- 2 Walking across

## i PRODUCT INFORMATION

- Wall switch LUXOMAT® Indoor 180-DIM-KNX/EIB with semi-circular detection area for building services engineering, which based on KNX-BUS-network (European Installation Bus).
- **Application examples:** monitoring of public lavatories, corridors, archive rooms, conference rooms
- **Dimming version:**
  - Four different operating modes are available when used with the application programme 4.0:
    - Normal mode (Semi-automatic or Fully-automatic mode (**switching**))
    - Semi-automatic or Fully-automatic mode with **constant light control (dimming)**
    - Slave mode
    - **NEW:** Permanent dimmer (presence-independent light control)
  - Specification of three set values: two controlled set values (specified in lux) and one set value as a constant value (specified as %)
  - **NEW:** Reflection factor
  - **NEW:** HVAC channels (switching channels) now with push button switchable
  - **Coverings please order separately!**

## ■ ACCESSORY (OPTIONAL)

Covering IP20

Covering IP54

SM-Socket

Blinds  
see page 104!

Slaves Indoor 180-DIM-KNX/EIB see page 114!

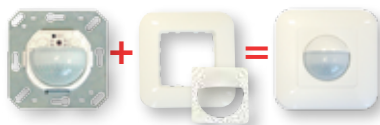
pure white,  
RAL9010traffic white,  
RAL9016cream white,  
RAL1013anthracite,  
RAL7021silver,  
RAL9006pure white,  
RAL9010pure white,  
RAL9010

Description	Colour	Part number
Sensor insert for Indoor 180-DIM-KNX/EIB-FM	—	92436
<b>Accessory for sensor insert</b>		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
<b>Accessory (optional)</b>		
SM-Socket for Indoor	pure white, RAL9010	92141

### LUXOMAT® Indoor 180-LON



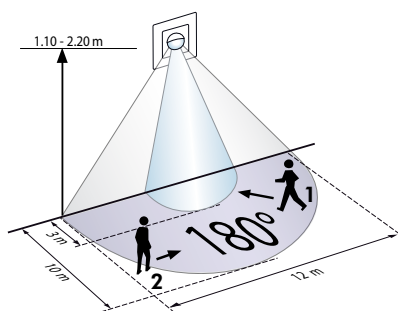
Remote controllable



#### TECHNICAL DATA

- 24 VDC
- 180°
- max. 10.00 m
- IP20 / Class II / Cc
- L 87 x W 87 x D 61 mm
- 25°C to +50°C
- UV- and shock-resistant polycarbonate
- RC-LLW
- for integration in LON BUS systems**

- ▶ Remote control on page 141!
- ▶ Start-up must be performed by a LON system integrator.



- 1 Walking towards
- 2 Walking across

#### PRODUCT INFORMATION

- Remote controllable occupancy detector for inside use LUXOMAT® Indoor 180-LON with semi-circular detection area, for false ceiling mounting, for building services engineering, which based on LON-network
- With integrated FTT10-BUS-coupling device, i.e. voltage over 24 V with separate wire
- The following variables are made available:
  - Lightsensor/ 20100
  - Occupancy sensor/ 20106
  - Occupancy controller/ 21504
  - Constant light controller/ 21502
  - Space comfort controller/ 23200
  - Switch/ 21201
  - Scene panel/ 21205
- A local overriding of the adjustments of the LON client software with the optional remote control LUXOMAT® RC-LLW is possible
- Combinable with coverings in five different colours
- For the combination with switches of leading manufacturers the enclosed additional intermediate frame can be used
- Version IP20 and IP54 (only European version – for moisture-proofs, garages, cellar steps)
- **Application examples:** monitoring of public lavatories, corridors, archive rooms, conference rooms
- **Coverings please order separately!**

#### ACCESSORY (OPTIONAL)

RC-LLW



(to order separately)

Covering IP20



pure white, RAL9010



traffic white, RAL9016



cream white, RAL1013



anthracite, RAL7021



silver, RAL9006

Covering IP54



pure white, RAL9010

SM-Socket



pure white, RAL9010



Blinds see page 104!

Description	Colour	Part number
Sensor insert for Indoor 180-LON-FM	–	92663
<b>Accessory for sensor insert</b>		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
<b>Accessory (optional)</b>		
LUXOMAT® RC-LLW	grey	92332
SM-Socket for Indoor	pure white, RAL9010	92141



## OVERVIEW OF REMOTE CONTROLS FOR MOTION AND OCCUPANCY DETECTORS

Remote control	Part no.	Page	RC-plus next	LC-plus 280	PD1N	PD2	PD3N	PD4	PD5	PD9	PICO	PD11	Indoor 180
IR-RC	92000	118	▪	–	–	–	–	–	–	–	–	–	–
IR-RC-Mini	92090	119	▪	–	–	–	–	–	–	–	–	–	–
IR-LC-plus	92095	120	–	▪	–	–	–	–	–	–	–	–	–
IR-LC-Mini	92093	121	–	▪	–	–	–	–	–	–	–	–	–
IR-PD3N	92105	122	–	–	–	–	PD3N-1C (Micro) PD3N-2C	PD4N-1C PD4N-1C-C	–	–	–	–	–
IR-PD3N-2C	92115	123	–	–	–	–	PD3N-2C	–	–	–	–	–	–
IR-SMARTHOME	90162	124	RC-plus next 230 ZW	–	–	–	PD3N- ZW	–	–	–	–	–	–
IR-PD (devices before 2011)	92160	125	–	–	PD1-M-2C	PD2-M-1C PD2-M-2C	–	PD4-M-1C PD4-M-2C PD4-M-2C-C	PD5-M-1C	–	–	–	Indoor 180-M- 2C
IR-PD-Mini	92159	126	–	–	PD1N-M- 2C	PD2-M-1C PD2-M-2C	–	PD4-M-1C PD4-M-1C-GH PD4-M-2C	PD5-M-1C	PD9-M-1C (-GH) PD9-M-1C-SDB- IP65(-GH) PD9-M-1C (-GH)	–	–	Indoor 180-M- 2C
IR-PD-1C	92520	127	–	–	–	PD2-M-1C	–	PD4-M-1C	–	–	–	–	–
IR-PD-2C	92475	128	–	–	PD1N-M- 2C	PD2-M-2C	–	PD4-M-2C PD4-M-2C-C	–	–	PICO-M-1C	–	–
IR-PD4-GH	92215	129	–	–	–	–	–	PD4-M-1C-GH	–	–	–	–	–
IR-PD4-SP	92040	130	–	–	–	–	–	PD4-M-1C-PS	–	–	–	–	–
IR-PD9 (devices before 2011)	92201	131	–	–	–	–	–	–	–	PD9-M-1C (-GH) PD9-M-1C-SDB- IP65(-GH)	–	–	–
IR-PD4-TRIO SWI	92102	132	–	–	–	–	–	PD4-M-3C-TRIO	–	–	–	–	–
IR-PD-DUO	92092	133	–	–	–	–	–	PD4-M-2C-DUO	–	–	–	–	–
IR-PDim	92200	134	–	–	PD1N-M- DIM	PD2-M-DIM	–	PD4-M-DIM PD4-M-DIM-C PD4-M-DIM-HVAC PD4-M-DUO-DIM	PD5-M- DIM	PD9-M-DIM (-GH)	–	–	–
IR-PD-DIM- Mini	92098	135	–	–	PD1N-M- DIM	PD2-M-DIM	–	PD4-M-DIM PD4-M-DIM-C PD4-M-DIM-HVAC PD4-M-DUO-DIM	PD5-M- DIM	PD9-M-DIM (-GH)	–	–	–
IR-PD4-TRIO	92097	136	–	–	–	–	–	PD4-M-TRIO-DIM	–	–	–	–	–
IR-PD-DIM- HKL	92114	137	–	–	–	–	–	PD4-M-DIM-HVAC	–	PD9-M-DIM-HVAC	–	–	–
IR-PD-DALI	92094	138	–	–	–	PD2-DALI/ DSI	–	PD4-DALI/DSI PD4-DALI/DSI-C PD4-DUO-DALI	–	PD9-DALI/DSI	–	–	–
IR-PD4-TRIO- DALI	92104	139	–	–	–	–	–	PD4-M-TRIO-DALI	–	–	–	–	–
IR-PD-DALI- 1C	92116	140	–	–	–	PD2-M- DALI/ DSI-1C	–	PD4-M-DALI/ DSI-1C	–	–	–	–	–
RC-LLW	92332	141	–	–	–	PD2-LON	–	–	–	PD9-LON	–	–	Indoor 180- LON

### ■ REMOTE CONTROLS FOR MOTION DETECTORS



### ■ REMOTE CONTROLS FOR OCCUPANCY DETECTORS

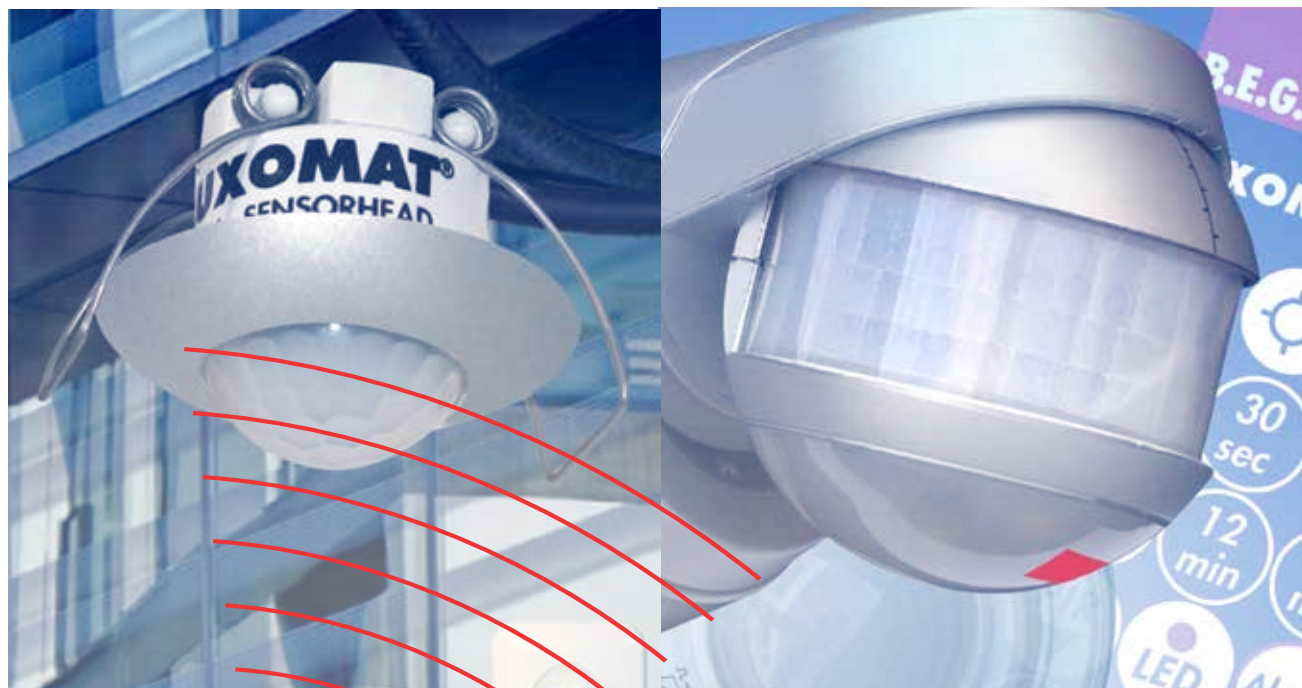


### ■ REMOTE CONTROLS FOR DIM, DALI/DSI AND LON BUS OCCUPANCY DETECTORS





## LUXOMAT® infrared remote controls ... Programming and adjustment of motion and occupancy detectors without a ladder



- ... infrared remote controls for the easy and comfortable programming and adjustment of the motion and occupancy detectors
- ... the extensive functions of sensor can be adjusted whenever required with no ladder
- ... the function permanent light ON/OFF saves the additional installation of a light switch
- ... inclusive battery and wall bracket
- ... Range: clouded approx. 5 to 6 m, sunny 2 to 3 m

Index	Page
IR-RC, IR-RC-Mini	118 - 119
IR-LC-plus, IR-LC-Mini	120 - 121
IR-PD3N	122
IR-PD3N-2C	123
IR-SMARTHOME	124
IR-PD, IR-PD-Mini	125 - 126
IR-PD-1C, IR-PD-2C	127 - 128
IR-PD4-GH	129
IR-PD4-SP	130
IR-PD9	131
IR-PD4-TRIO SWI	132
IR-PD-DUO	133
IR-PDim, IR-PD-DIM-Mini	134 - 135
IR-PD4-TRIO	136
IR-PD-DIM-HKL	137
IR-PD-DALI	138
IR-PD4-TRIO-DALI	139
IR-PD-DALI-1C	140
RC-LLW	141



## LUXOMAT® IR-RC



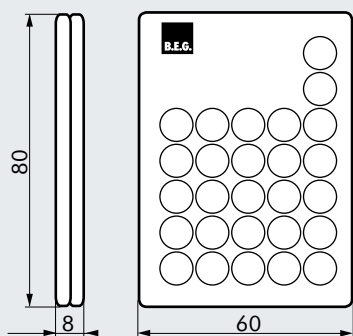
### ■ TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

► The remote control LUXOMAT® IR-RC is also applicable for the automatic lights AL5-RC-plus next, AL2-RC-plus 230 and for the motion detector RC-plus next 230 ZW!

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-RC infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the motion detectors: LUXOMAT® RC-plus next 130/230/280
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-RC.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	<b>Preselected light value</b> - Daylight operation		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up
	<b>Preselected light value</b> - approx. 100 Lux = started dawn		<b>Automatic reading and saving of the actual light level</b>
	<b>Preselected light value</b> - approx. 25 Lux = advanced dawn		<b>Party program</b> - Constant light for 12 hours or light off
	<b>Preselected light value</b> - Operation at night		<b>Reset</b> - Resetting of all functions
	<b>8 preselected switch on times</b> from 15 sec. to 16 min.		<b>Vacation- and comfort function</b> - Automatically switching on at dusk
	<b>Alarm function</b> - Blinking of the connected lighting after detected motion		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.
	<b>LED-Button</b> - Activate and deactivate the walking test LED		<b>Impulse function</b> - Send of a short impulse of approx. 1 sec., for example to activate a door gong
	Activate and deactivate of the <b>360° anti-creep</b>		<b>Light OFF</b> - Followed by two seconds without motion detection: allows leaving out of the detecting range
	<b>Electronic sensitivity control</b> - Increase and decrease of the detector range		

Description

LUXOMAT® IR-RC

Colour

grey

Part number

92000

## LUXOMAT® IR-RC-Mini



### ■ TECHNICAL DATA



Lithium CR2032 -  
3 Volt (inclusive)  
depending on lighting  
conditions



**clouded or dark:**  
5 to 6 m;  
**sunshine:**  
2 to 3 m

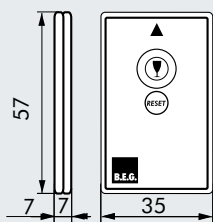


L 57 x W 35 x H 7 mm

► The remote control LUXOMAT® IR-RC-Mini is also applicable for the automatic lights AL5-RC-plus next, AL2-RC-plus 230 and for the motion detector RC-plus next 230 ZW!

### i PRODUCT INFORMATION

- Infrared remote control LUXOMAT® IR-RC-Mini for end user is applicable for the motion detectors LUXOMAT® RC-plus next 130/230/280
- Constant light can be switched on and off easily without any ladder. The installation of an additional switch is not necessary.
- By push the "Party"- button once the lighting will be switched on for 12 hours. By push the "Party"- button twice the lighting will be switched off until the next evening.



### ■ PROGRAM FUNCTIONS

		<b>Party program</b> - 1 x push – switches ON the light for 12 hours - 2 x push – switches OFF the light until next evening
		<b>Reset</b> - Resetting of all functions

Description	Colour	Part number
LUXOMAT® IR-RC-Mini	grey	92090



## LUXOMAT® IR-LC-plus



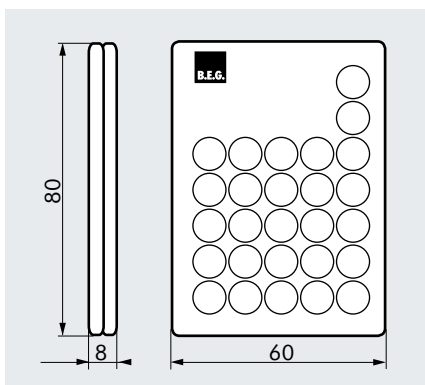
### ■ TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

► The remote control LUXOMAT® IR-LC-plus is also applicable for the LED floodlights FLC-280-LED and for the automatic lights AL5-LC!

### i PRODUCT INFORMATION

- Using the LUXOMAT® IR-LC-plus infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the motion detectors: LUXOMAT® LC-plus 280
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-LC-plus.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	<b>Preselected light value</b> - Daylight operation		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up
	<b>Preselected light value</b> - approx. 100 Lux = started dawn		<b>Automatic reading and saving of the actual light level</b>
	<b>Preselected light value</b> - approx. 25 Lux = advanced dawn		<b>Party program</b> - Constant light for 12 hours or light off
	<b>Preselected light value</b> - Operation at night		<b>Reset</b> - Resetting of all functions
	<b>8 preselected switch on times</b> from 15 sec. to 16 min.		<b>Vacation- and comfort function</b> - Automatically switching on at dusk
	<b>Alarm function</b> - Blinking of the connected lighting after detected motion		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.
	<b>LED-Button</b> - Activate and deactivate the walking test LED		<b>Impulse function</b> - Send of a short impulse of approx. 1 sec., for example to activate a door gong
	<b>Electronic sensitivity control</b> - Increase and decrease of the detector range		<b>Light OFF</b> - Followed by two seconds without motion detection: allows leaving out of the detecting range

Description	Colour	Part number
LUXOMAT® IR-LC-plus	grey	92095



## LUXOMAT® IR-LC-Mini



### ■ TECHNICAL DATA



Lithium CR2032 -  
3 Volt (inclusive)  
depending on lighting  
conditions



**clouded or dark:**  
5 to 6 m;  
**sunshine:**  
2 to 3 m

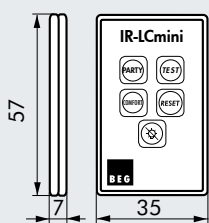


L 57 x W 35 x H 7 mm

► The remote control LUXOMAT® IR-LC-Mini is also applicable for the LED floodlights FLC-280-LED and for the automatic lights AL5-LC and ALC-DECO!

### i PRODUCT INFORMATION

- Infrared remote control LUXOMAT® IR-LC-Mini for end user is applicable for the motion detectors LUXOMAT® LC-plus 280
- Constant light can be switched on and off easily without any ladder. The installation of an additional switch is not necessary.
- Received infrared signals will be receipted by blinking of a LED and by switching of the relay.



### ■ PROGRAM FUNCTIONS

		<b>PARTY program</b> - 1 x push – irrespective of ambient brightness and movement the light is switched on for 12 hours; - By repeatedly pressing the PARTY key, the LUXOMAT® LC-plus 280 will alter between 12 hours OFF and 12 hours ON (f.ex. light switched off until the next evening)		<b>RESET operation</b> - Stops the PARTY program and immediately switches to stand by mode. For deactivating the permanent light OFF operation during the self-testing cycle of the LUXOMAT® LC-plus 280.
		<b>COMFORT program</b> - Automatically switches permanent light ON for 60 minutes when previously adjusted light level is reached – presence simulation		<b>LIGHT "OFF" operation</b> - Immediately switches to stand by mode. For activating the permanent light OFF operation during the self-testing cycle of the LUXOMAT® LC-plus 280.
		<b>TEST operation</b> - E.g. to measure the covered area – ideal to test the set detection ranges		

Description	Colour	Part number
LUXOMAT® IR-LC-Mini	grey	92093

## LUXOMAT® IR-PD3N

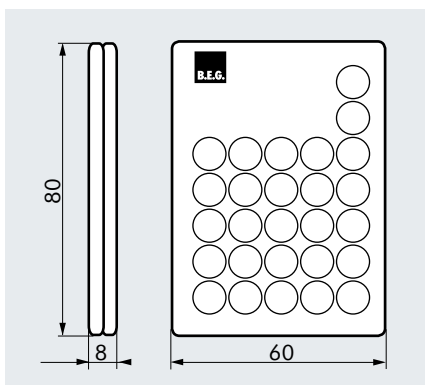


### ■ TECHNICAL DATA

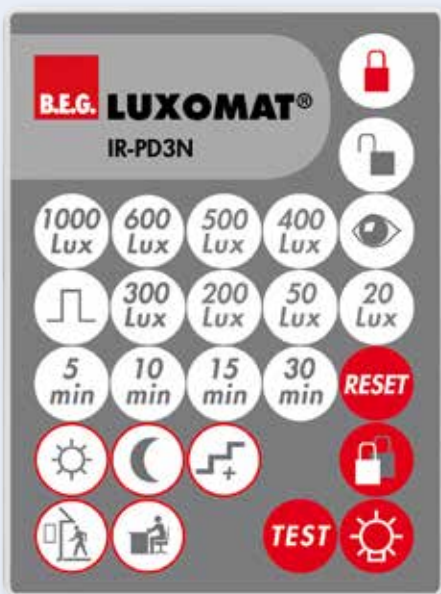
- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD3N infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the motion detectors ceiling-mounted: LUXOMAT® PD3N-1C (Micro), PD4N-1C/-C and PD3N-2C
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD3N.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		Medium normal / high sensitivity
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Reset</b> - Resetting of all functions
	<b>Preselected light values</b> - 20 to 1000 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux		<b>Light OFF</b> - Change between the modes of operation full- and semiautomatic; switch on and off of the motion detector
	<b>Automatic reading and saving of the actual light level</b>		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
	<b>Sun button – preselected light value</b> - Daylight operation		<b>Determination of the switch on threshold</b> to attain a calculatory target value
	<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - Impulse and 5 to 30 min.		<b>Preselected light value</b> - Operation at night

Description

LUXOMAT® IR-PD3N

Colour

grey


Part number

92105

## LUXOMAT® IR-PD3N-2C

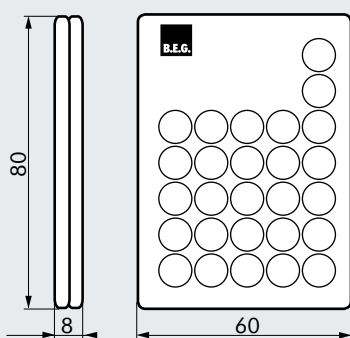


### ■ TECHNICAL DATA

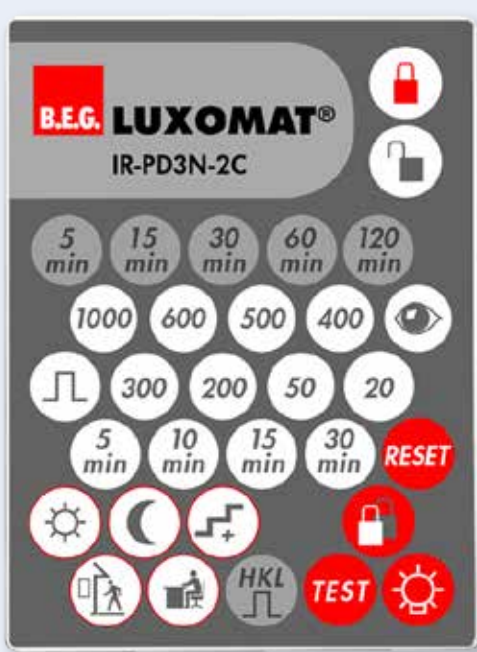













-  Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
-  **clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
-  L 80 x B 60 x H 8 mm

### i PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD3N-2C infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the Motion Ceiling Series LUXOMAT® PD3N-2C.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD3N-2C.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS

		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		Medium normal / high sensitivity
		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Reset</b> - Resetting of all functions
		<b>Preselected light values</b> - 20 to 1000 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux		<b>Light OFF</b> - Change between the modes of operation full- and semiautomatic; switch on and off of the motion detector
		<b>Automatic reading and saving of the actual light level</b>		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
		<b>Sun button – preselected light value</b> - Daylight operation		<b>Determination of the switch on threshold</b> to attain a calculatory target value
		<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - Impulse and 15 sec. to 30 min.		<b>Preselected light value</b> - Operation at night
		<b>Pulse function/ Preselected switch on times for the HVAC-Channel</b>		

#### Description

LUXOMAT® IR-PD3N-2C

#### Colour

grey

#### Part number

92115

## LUXOMAT® IR-SMARTHOME

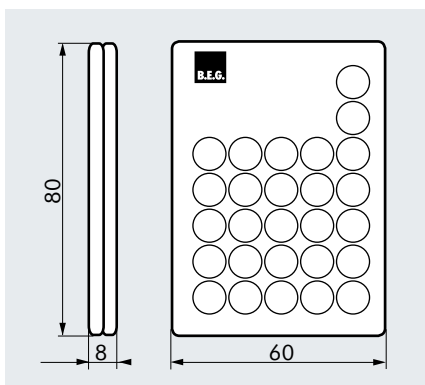


### ■ TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-SMARTHOME infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the motion detectors: LUXOMAT® RC-plus next 230 ZW and PD3N-ZW
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-SMARTHOME.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Electronic sensitivity control</b> - Increase and decrease of the detector range
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Party program</b> - Constant light for 12 hours or light off
	<b>Automatic reading and saving of the actual light level</b>		<b>Reset</b> - Resetting of all functions
	<b>Preselected light values</b> - 10 to 1000 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux		<b>Light OFF</b> - Change between the modes of operation full- and semiautomatic; switch on and off of the motion detector
	<b>Sun button – preselected light value</b> - Daylight operation		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
	<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - 15 sec. to 30 min.		
	<b>LED-Button</b> - Activate and deactivate the walking test LED		

Description

LUXOMAT® IR-SMARTHOME

Colour

grey

Part number




90162



## LUXOMAT® IR-PD

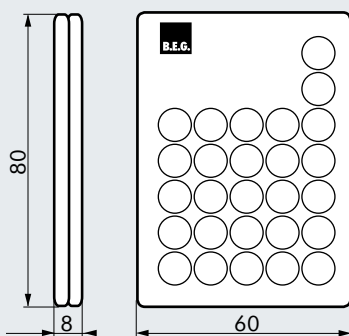


### ■ TECHNICAL DATA

-  Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
-  **clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
-  L 80 x W 60 x H 8 mm










### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the Master versions of following detectors: LUXOMAT® PD1, PD2, PD4, PD4-Corridor, PD5 and Indoor 180
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Preselected switch on times for control of HVAC (Relay and Channel 2):</b> - Impulse and 5 min. to 120 min.
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Reset</b> - Resetting of all functions
	<b>Preselected light values</b> - 20 to 1000 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux		<b>Light OFF</b> - Change between the modes of operation full- and semiautomatic; switch on and off of the motion detector
	<b>Automatic reading and saving of the actual light level</b>		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
	<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - Impulse and 15 sec. to 30 min.		

#### Description

LUXOMAT® IR-PD

#### Colour

grey

#### Part number

92160

## LUXOMAT® IR-PD-Mini



### ■ TECHNICAL DATA



Lithium CR2032 -  
3 Volt (inclusive)  
depending on lighting  
conditions



**clouded or dark:**

5 to 6 m;

**sunshine:**

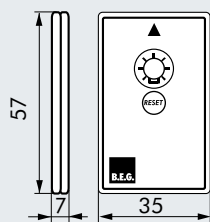
2 to 3 m



L57 x W35 x H7 mm

### ❗ PRODUCT INFORMATION

- Infrared remote control LUXOMAT® IR-PD-Mini for end user is applicable for the Master versions of following detectors: LUXOMAT® PD1N, PD2, PD4, PD4-Corridor, PD4-GH, PD5 and Indoor 180



### ■ PROGRAM FUNCTIONS



#### Light = temporary switching of automatic mode

Light stays on or off until there is no more movement and the follow-up time is over; afterwards automatic mode.



**Reset = close all functions, directly automatic mode afterwards**  
f.ex. to cancel temporary switching off of automatic mode

Description

LUXOMAT® IR-PD-Mini

Colour

grey

Part number

92159

## LUXOMAT® IR-PD-1C



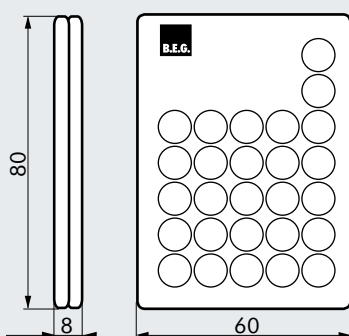
### ■ TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

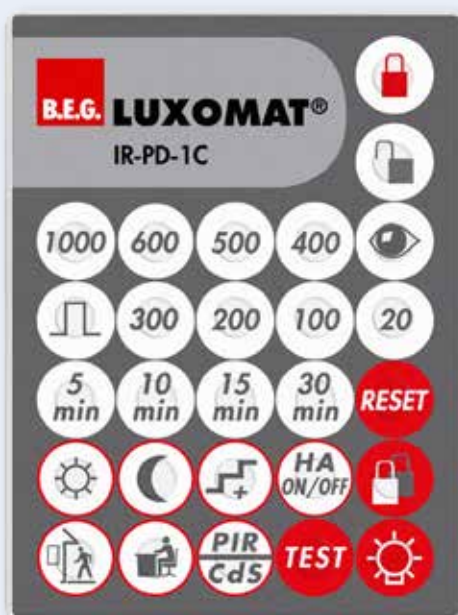
► **Attention:** PD2-, PD4- and PD9-M-1C devices, which were delivered before 2011, have to be programmed with the IR-PD.  
PD9-M-1C devices, which were delivered before 2011, have to be programmed with the IR-PD9.

### i PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD-1C infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the Master versions of following detectors: LUXOMAT® PD2-, PD4- and PD9-M-1C
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD-1C.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Medium normal</b>  <b>High sensitivity</b> (standard setting)
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Reset</b> - Resetting of all functions
	<b>Preselected light values</b> - 20 to 1000 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux		<b>Light OFF</b> - Change between the modes of operation full- and semiautomatic; switch on and off of the motion detector
	<b>Automatic reading and saving of the actual light level</b>		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
	<b>Sun button – preselected light value</b> - Daylight operation		<b>Determination of the switch on threshold</b> to attain a calculatory target value
	<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - Impulse and 5 to 30 min.		<b>Preselected light value</b> - Operation at night
	<b>Change between operation modes</b> semiautomatic / automatic		<b>Change between motion detector</b> and photo electric switch

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

## LUXOMAT® IR-PD-2C



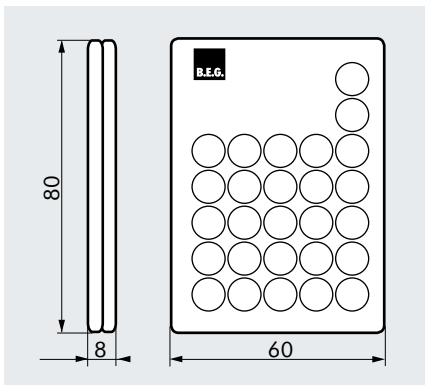
### ■ TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

► **Attention:** PD1-, PD2- and PD4-M-2C devices, which were delivered before 2011, have to be programmed with the IR-PD.

### i PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD-2C infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the Master versions of following detectors: LUXOMAT® PD1N-, PD2- and PD4-M-2C
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD-2C.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		Change between operation modes semiautomatic / automatic
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		Medium normal High sensitivity (standard setting)
	<b>Preselected light values</b> - 20 to 1000 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux		<b>Reset</b> - Resetting of all functions
	<b>Automatic reading and saving of the actual light level</b>		<b>Light OFF</b> - Change between the modes of operation full- and semiautomatic; switch on and off of the motion detector
	<b>Sun button – preselected light value</b> - Daylight operation		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
	<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - Impulse and 5 to 30 min.		<b>Determination of the switch on threshold</b> to attain a calculatory target value
	<b>Preselected switch on times for control of HVAC (Relay and Channel 2):</b> - Impulse and 5 min. to 120 min.		Change between motion detector and photo electric switch

Description

LUXOMAT® IR-PD-2C

Colour

grey

Part number




92475



## LUXOMAT® IR-PD-GH-LD

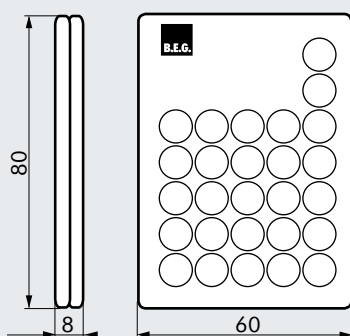


### ■ TECHNICAL DATA












-  Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
-  **IR-PD-GH-LD:** to 10 m  
**IR-PD4-GH:** to 6 m
-  L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD-GH-LD infrared remote control, all settings at the LUXOMAT® PD4-M-1C-GH can be made comfortably from the ground without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD-GH-LD.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS

		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> Impulse and 15 sec. to 30 min.
		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Change between operation modes</b> semiautomatic / automatic
		<b>Sun button – preselected light value</b> - Daylight operation		<b>Reset</b> - Resetting of all functions
		<b>7 preselected light values for the switch on value of the lighting</b> - 20 to 1000 Lux		<b>Light ON</b> - The light will remain switched on for as long as movements are detected in the areas of coverage. After the last detected motion and after the end of the follow-up time the device returns in the chosen automatic or semi-automatic operating mode.
		<b>Automatic reading and saving of the actual light level</b>		<b>Determination of the switch on threshold</b> to attain a calculatory target value

Description	Colour	Part number
LUXOMAT® IR-PD-GH-LD	grey	92479
LUXOMAT® IR-PD4-GH	grey	92215

## LUXOMAT® IR-PD4-SP

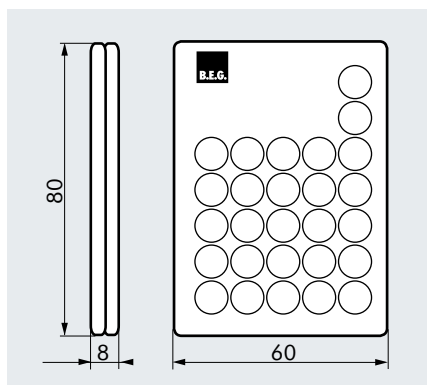


### TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;
- sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD4-SP infrared remote control, all settings at the LUXOMAT® PD4-M-1C-C-PS can be made comfortably from the ground without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD4-SP.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### PROGRAM FUNCTIONS

		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up	15 sec to 30 min	<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - Impulse and 15 sec. to 30 min. - The Impulse or Gong button f.ex. for a gong above a door – follow-up time 1 sec.
		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Change between operation modes semiautomatic / automatic</b>
		<b>Sun button – preselected light value</b> - Daylight operation		<b>Reset</b> - Resetting of all functions
		<b>7 preselected light values for the switch on value of the lighting</b> - 20 to 1000 Lux		<b>Light ON</b> - The light will remain switched on for as long as movements are detected in the areas of coverage. After the last detected motion and after the end of the follow-up time the device returns in the chosen automatic or semi-automatic operating mode.
		<b>Automatic reading and saving of the actual light level</b>		<b>Determination of the switch on threshold</b> to attain a calculatory target value
		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.		

Description

LUXOMAT® IR-PD4-SP

Colour

grey

Part number

92040

## LUXOMAT® IR-PD9



### ■ TECHNICAL DATA



Lithium CR2032 -  
3 Volt (inclusive)  
depending on lighting  
conditions



**clouded or dark:**  
5 to 6 m;  
**sunshine:**  
2 to 3 m

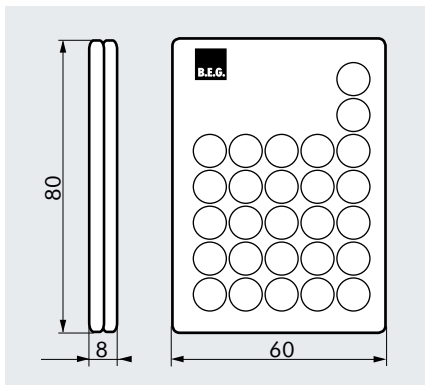


L 80 x W 60 x H 8 mm



### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD9 infrared remote control, all settings at the LUXOMAT® PD9-M-1C(-GH)/-SDB can be made comfortably from the ground without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD9.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Preselected switch on times for the lighting (Relay and Channel 1):</b> - Impulse and 15 sec. to 30 min. - The Impulse or Gong button f.ex. for a gong above a door - follow-up time 1 sec.
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Change between operation modes semiautomatic / automatic</b>
	<b>Sun button – preselected light value</b> - Daylight operation		<b>Reset</b> - Resetting of all functions
	<b>7 preselected light values for the switch on value of the lighting</b> - 20 to 1000 Lux		<b>Light ON</b> - The light will remain switched on for as long as movements are detected in the areas of coverage. After the last detected motion and after the end of the follow-up time the device returns in the chosen automatic or semi-automatic operating mode.
	<b>Automatic reading and saving of the actual light level</b>		<b>Determination of the switch on threshold</b> to attain a calculatory target value
	<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.		

#### Description

LUXOMAT® IR-PD9

#### Colour

grey

#### Part number

92201



## LUXOMAT® IR-PD4-TRIO SWI

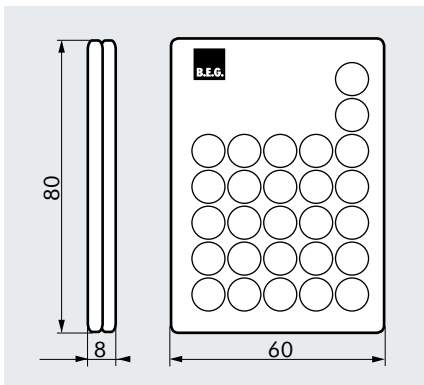


### TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;
- sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD4-TRIO SWI infrared remote control, all settings at the LUXOMAT® PD4-M-3C-TRIO can be made comfortably from the ground without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD4-TRIO SWI.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### PROGRAM FUNCTIONS

		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		Preselected switch on times for the lighting (Channel 1-3): - 5 to 90 min.
		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		Change between operation modes semiautomatic / automatic (Channel 1+2)
		<b>Channel pre-selection</b> - For follow-up time and brightness value calibration		<b>Reset</b> - Resetting of all functions
		<b>Channel 1+2 ON/OFF</b> <b>Channel 3 ON/OFF</b>		<b>LED-Button</b> - Activate and deactivate the walking test LED
		<b>Target luminosity values channel 1 and 2</b> - 1000, 750, 500, 400, 300, 200, 150, 100Lux		<b>Determination of the switch on threshold</b> to attain a calculatory target value
		<b>Save dimmed target luminosity value for channel 1 and 2</b>		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.

Description

LUXOMAT® IR-PD4-TRIO SWI

Colour

grey

Part number




92102



## LUXOMAT® IR-PD-DUO

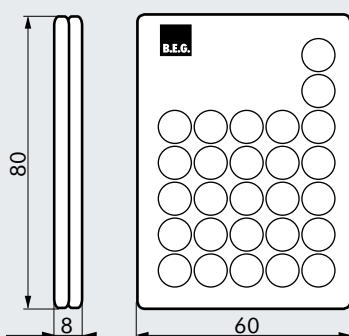


### ■ TECHNICAL DATA













-  Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
-  **clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
-  L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD-DUO infrared remote control, all settings at the LUXOMAT® PD4-M-2C-DUO can be made comfortably from the ground without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD-DUO.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS

		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		Preselected switch on times for the lighting: - 5 min. to 30 min.
		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		Change between operation modes semiautomatic / automatic
		<b>Mode measuring of the daylight or measuring of daylight and artificial light (mixed light)</b>		<b>Reset</b> - Resetting of all functions
		<b>12 preselected light values for the switch on value of the lighting</b> - 1000, 900, 800, 700, 600, 500, 400, 300, 200, 100, 50 and 20 Lux		<b>Manual switch on and off</b> of the connected lighting and <b>choose of the channel</b> for the light value default
		<b>Automatic reading and saving of the actual light level</b>		<b>Determination of the switch on threshold</b> to attain a calculatory target value
		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.		

Description	Colour	Part number
LUXOMAT® IR-PD-DUO	grey	92092

## LUXOMAT® IR-PDim

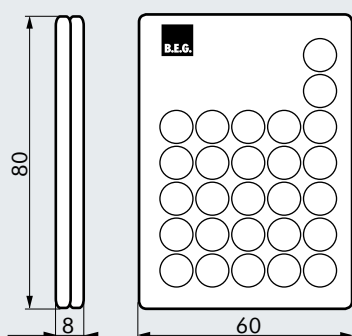


### TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PDim infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the following detectors: LUXOMAT® PD1N-M-DIM, PD2-M-DIM, PD4-M-DIM, PD4-M-DUO-DIM, PD5-M-DIM and PD9-M-DIM.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PDim.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Reset</b> - Resetting of all functions
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Switching on and off of the light</b> - The light can be switched on and off via the remote control at any time. In addition, the switch allows changes between automatic and semiautomatic operating modes.
	<b>7 preselected light values</b> - 50 to 1500 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux.		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
	<b>Automatic reading and saving of the actual light level</b> Stops current dimming. - <b>Preset Mode:</b> The current brightness value is retained permanently. - <b>User Mode:</b> The current brightness value is adopted as the new setpoint.		<b>Manual switch on and off of the orientation light (20% of the nominal light)</b> - For permanent orientation light push the ON-button. Switch-off the orientation light with the OFF-button.
	<b>Preselected switch on times for the lighting:</b> - 1 min. to 30 min.; The desired follow-up time for the connected lighting can be programmed by pressing the respective white time switches.		<b>4 preselected switch on times for the orientation light</b> - From 1 to 30 min. after the preselected follow-up time for the lighting with 20% of the nominal light.
	<b>Dim buttons for constant light control:</b> - Temporary or permanent modification of the constant light level		

Description

LUXOMAT® IR-PDim

Colour

grey




Part number

92200

## LUXOMAT® IR-PD-DIM-Mini

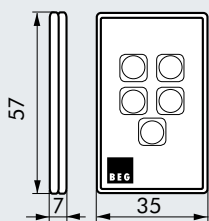


### ■ TECHNICAL DATA

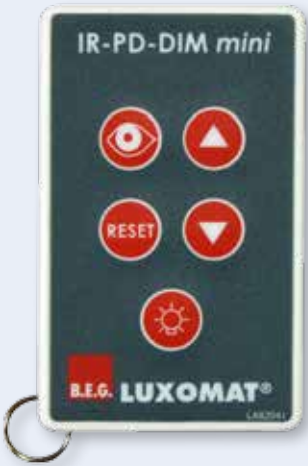




-  Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
-  **clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
-  L 57 x W 35 x H 7 mm

### PRODUCT INFORMATION

- Infrared remote control LUXOMAT® IR-PD-DIM-Mini for end user is applicable for the following detectors: LUXOMAT® PD1N-M-DIM, PD2-M-DIM, PD4-M-DIM, PD4-M-DIM-HVAC, PD4-M-DUO-DIM, PD5-M-DIM and PD9-M-DIM.
- Constant light can be switched on and off easily without any ladder. The installation of an additional switch is not necessary.
- Received infrared signals will be received by blinking of a LED and by switching of the relay.



### ■ PROGRAM FUNCTIONS

		Automatic reading and saving of the actual light level		<b>Reset</b> - Resetting of all functions
		<b>Dim buttons for constant light control:</b> - Temporary or permanent modification of the constant light level		<b>Switching on and off of the light</b> - The light can be switched on and off via the remote control at any time. In addition, the switch allows changes between automatic and semiautomatic operating modes.

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



## LUXOMAT® IR-PD4-TRIO

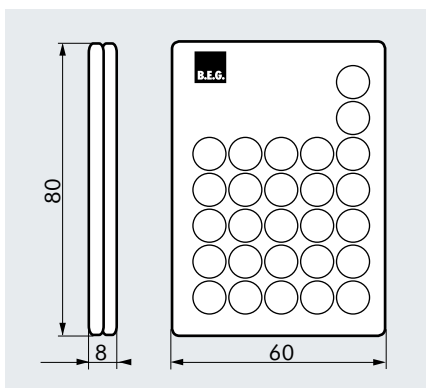


### TECHNICAL DATA

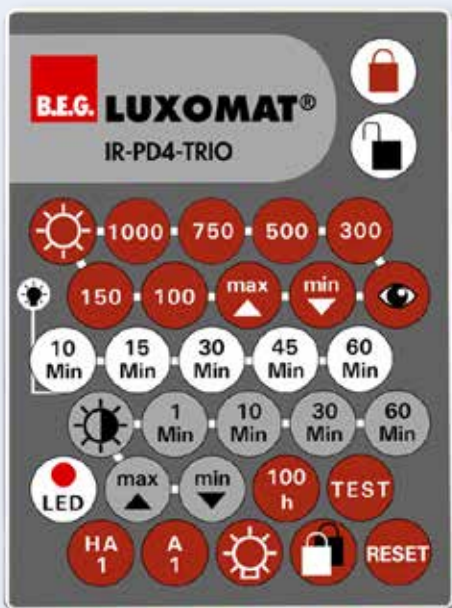
- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD4-TRIO infrared remote control, all settings at the LUXOMAT® PD4-M-TRIO-DIM can be made comfortably from the ground without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD4-TRIO.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Follow-up time orientation light:</b> - 1 min. to 60 min.
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Orientation light 10 - 30 % of nominal light</b>
	<b>Sun button</b> – preselected light value (daylight operation)		<b>LED-Button</b> - Activate and deactivate the walking test LED
	<b>Target luminosity values for constant light control</b> - 1000, 750, 500, 300, 150, 100 Lux		<b>100 h function</b>
	<b>Dimming of target luminosity value</b> (for channel 1 only)		<b>Change between operation modes semiautomatic / automatic</b> (for channel 1 only)
	<b>Save dimmed target luminosity value</b>		<b>Light ON/OFF in closed state</b>
	<b>Follow-up time light</b> - 10 min., 15 min., 30 min., 45 min., 60 min.		<b>Reset</b> - Resetting of all functions
	<b>Orientation light ON/OFF</b>		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.

Description

LUXOMAT® IR-PD4-TRIO

Colour

grey

Part number

92097



## LUXOMAT® IR-PD-DIM-HKL

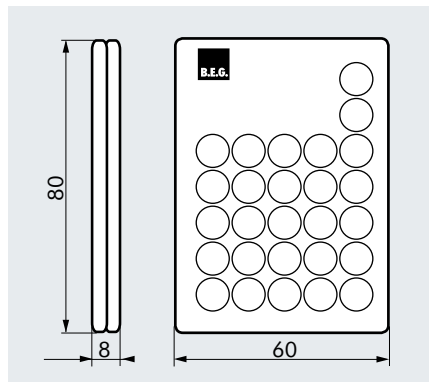


### ■ TECHNICAL DATA

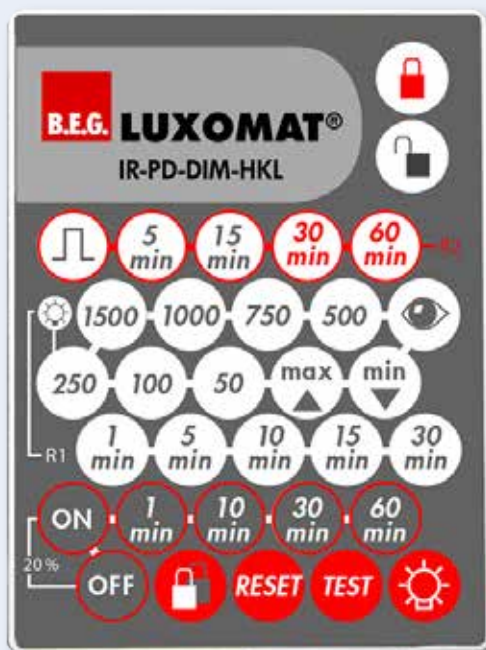
- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### i PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD-DIM-HKL infrared remote control, all settings can be made comfortably from the ground without having the annoyance of setting up ladders. It is suitable for the following detectors: LUXOMAT® PD4-M-DIM-HVAC, PD9-M-DIM-HVAC.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD-DIM-HKL.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Reset</b> - Resetting of all functions
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Switching on and off of the light</b> - The light can be switched on and off via the remote control at any time. In addition, the switch allows changes between automatic and semiautomatic operating modes.
	<b>7 preselected light values</b> - 50 to 1500 Lux; Recommendation: rooms with daylight 300 Lux, without daylight 1000 Lux.		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; only ON- and OFF function on the remote control possible.
	<b>Automatic reading and saving of the actual light level</b> Stops current dimming. - Preset Mode: The current brightness value is retained permanently. - User Mode: The current brightness value is adopted as the new setpoint.		<b>Manual switch on and off of the orientation light (20% of the nominal light)</b> - For permanent orientation light push the ON-button. Switch-off the orientation light with the OFF-button.
	<b>Preselected switch on times for the lighting:</b> - 1 min. to 30 min.; The desired follow-up time for the connected lighting can be programmed by pressing the respective white time switches.		<b>4 preselected switch on times for the orientation light</b> - From 1 to 30 min. after the preselected follow-up time for the lighting with 20% of the nominal light.
	<b>Dim buttons for constant light control:</b> - Temporary or permanent modification of the constant light level		<b>Preselected switch on times for the HVAC-Channel</b>

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

## LUXOMAT® IR-PD-DALI

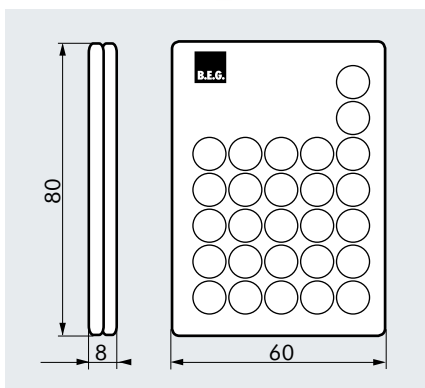


### TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;
- sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD-DALI infrared remote control, all settings at the LUXOMAT® PD2-M-DALI/DSI, PD4-M-DALI/DSI (-C) and PD9-M-DALI/DSI can be made comfortably from the ground.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD-DALI.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### PROGRAM FUNCTIONS

		Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Dimming</b> - The following approach will prove useful when setting a command value (example workplace): Place a luxmeter flat on the desk, then, using the remote control IR-PD-DALI, adjust the light up or down by pressing the keys max or min until the desired command value which best suits your requirements has been reached.
		<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Follow-up time (Relay and Channel 1)</b> 1 upto 30 min.
		<b>Switching between DSI and DALI program</b> - Factory setting DSI, press 1 x DALI, press 2 x DSI/DALI (Toggle-function)		<b>Orientation lighting and its follow-up time</b> <b>OFF button:</b> No orientation light <b>Grey button:</b> Programming the switch-off delay time <b>ON button:</b> Orientation light is permanently activated.
		<b>Luminance set point for constant light regulation</b> + / - small steps + / - big steps		<b>Reset</b> - Resetting of all functions
		<b>Automatic reading and saving of the actual light level</b>		<b>Fully automatic / semi automatic mode</b> - Semi automatic: green LED - Fully automatic: red LED on for approx. 3 sec.

Description

LUXOMAT® IR-PD-DALI

Colour

grey

Part number

92094

## LUXOMAT® IR-PD4-TRIO-DALI

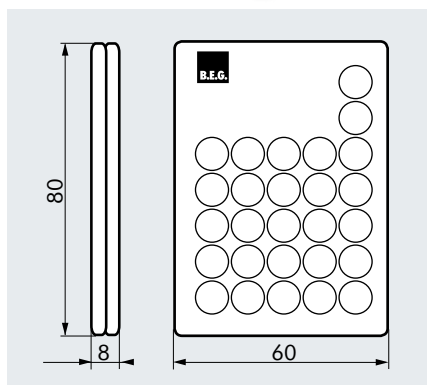


### ■ TECHNICAL DATA

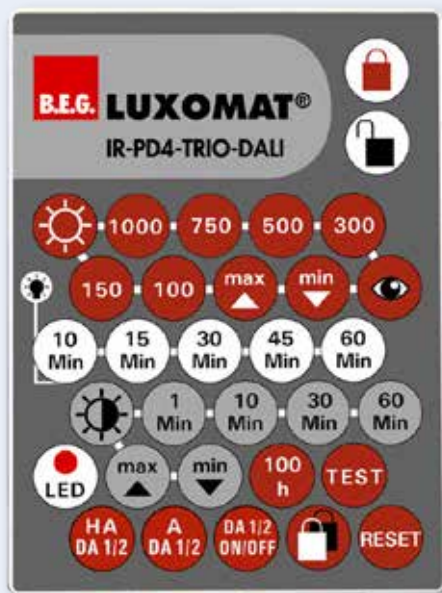
- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x W 60 x H 8 mm

### i PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD4-TRIO-DALI infrared remote control, all settings at the LUXOMAT® PD4-M-TRIO-DALI can be made comfortably from the ground without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional functions such as dimming to the desired target luminosity value for channel 1 and 2 or the useful 2 s test function are supported with the IR-PD4-TRIO-DALI which is available as an option.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b> – also with parental lock and security against sabotage after setting up		<b>Follow-up time orientation light:</b> - 1 min. to 60 min.
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Orientation light 10 - 30 % of nominal light</b>
	<b>Sun button</b> – preselected light value (daylight operation)		<b>LED-Button</b> - Activate and deactivate the walking test LED
	<b>Target luminosity values for constant light control</b> - 1000, 750, 500, 300, 150, 100 Lux		<b>100h function</b>
	<b>Dimming of target luminosity value</b> (for channel 1 and 2 only)		<b>Change between operation modes semiautomatic / automatic</b> (for DA 1 and 2 only)
	<b>Save dimmed target luminosity value</b>		<b>DA 1/2 ON/OFF in closed state without sabotage protection</b>
	<b>Follow-up time light</b> - 10 min., 15 min., 30 min., 45 min., 60 min.		<b>Reset</b> - Enable potentiometer - Exit all timers, switch off channels
	<b>Orientation light ON/OFF</b>		<b>Permanent tamper protection</b> - Permanent inhibition of the detector; all functions of the remote control are blocked, hardware reset by DIP3 to leave mode

#### Description

LUXOMAT® IR-PD4-TRIO-DALI

#### Colour

grey

#### Part number

92104



## LUXOMAT® IR-PD-DALI-1C

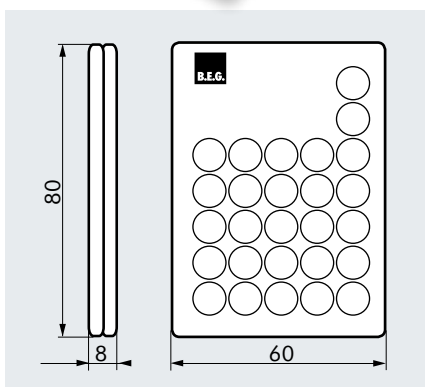


### TECHNICAL DATA

- Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
- clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
- L 80 x B 60 x H 8 mm

### PRODUCT INFORMATION

- Using the LUXOMAT® IR-PD-DALI-1C infrared remote control, all settings at the LUXOMAT® PD2/4-M-DALI/DSI-1C can be made comfortably from the ground.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the IR-PD-DALI-1C.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### PROGRAM FUNCTIONS



	Programmable <b>Opening and closing</b>		<b>Manual Dimming</b> - Dimming the lights to a desired brightness level (with closed detectors)
	<b>Permanent tamper protection</b> - Permanent inhibition of the detector; all functions of the remote control are blocked, hardware reset by DIP3 to leave mode		<b>Follow-up time (Relay and Channel 1)</b> 1 upto 30 min.
	<b>Test operation</b> - The surveyed room can be paced out independent of surrounding brightness and can be aligned easily after that.		<b>Orientation lighting and its follow-up time</b> <b>OFF button:</b> No orientation light <b>Grey button:</b> Programming the switch-off delay time <b>ON button:</b> Orientation light is permanently activated.
	<b>Switching between DSI and DALI program</b> - Factory setting DSI, press 1 x DALI, press 2 x DSI/DALI (Toggle-function)		<b>Follow-up time orientation light:</b> - 1 min. to 60 min.
	<b>Luminance set point for constant light regulation</b> + / - small steps + / - big steps		<b>Reset</b> - Resetting of all functions
	<b>Automatic reading and saving of the actual light level</b>		<b>Fully automatic/semi automatic mode</b> - Semi automatic: green LED - Fully automatic: red LED on for approx. 3 sec.
	<b>Dim buttons for constant light control:</b> - Temporary or permanent modification of the constant light level		<b>Preselected switch on times for the HVAC-Channel</b>

Description

LUXOMAT® IR-PD-DALI-1C

Colour

grey

Part number




92116



## LUXOMAT® RC-LLW

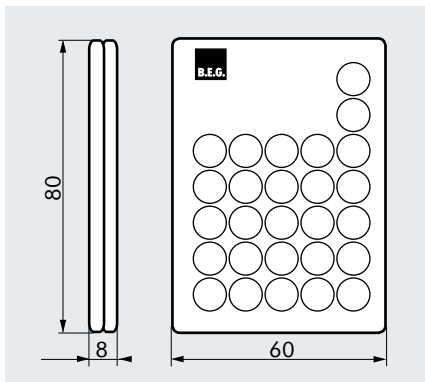


### ■ TECHNICAL DATA







-  Lithium CR2032 - 3 Volt (inclusive) depending on lighting conditions
-  **clouded or dark:** 5 to 6 m;  
**sunshine:** 2 to 3 m
-  L 80 x W 60 x H 8 mm

### i PRODUCT INFORMATION

- With the help of the infrared remote control LUXOMAT® RC-LLW for the occupancy detectors LUXOMAT® PD2-LON, PD9-LON and Indoor 180-LON-FM the settings of the LON-customer software can be easily controlled when standing the floor, without having the annoyance of setting up ladders.
- The great variety of programs facilitates adapting the motion detector to all individual wishes at any time – even subsequently.
- Additional features like automatically reading-in the current daylight value or the useful 2 sec.-test function are also optionally available with the RC-LLW.
- The lights can be switched on or off anytime with just a touch of the button. That means it is not necessary to install an additional light switch.
- Comes complete with a practical wall bracket (dimensions (approx.): 63 x 29 x 19 mm).



### ■ PROGRAM FUNCTIONS

		Present / Absent		<b>Fan control</b> Auto - Automatic mode 0 - Fan off I, II, III - Fan speed 1, 2, 3
		User specific scenes		<b>Light control</b> I - Light control on 0 - Light control off L - Learn luminosity □ □ - Increase / decrease luminosity
		User specific control functions		

#### Description

LUXOMAT® RC-LLW

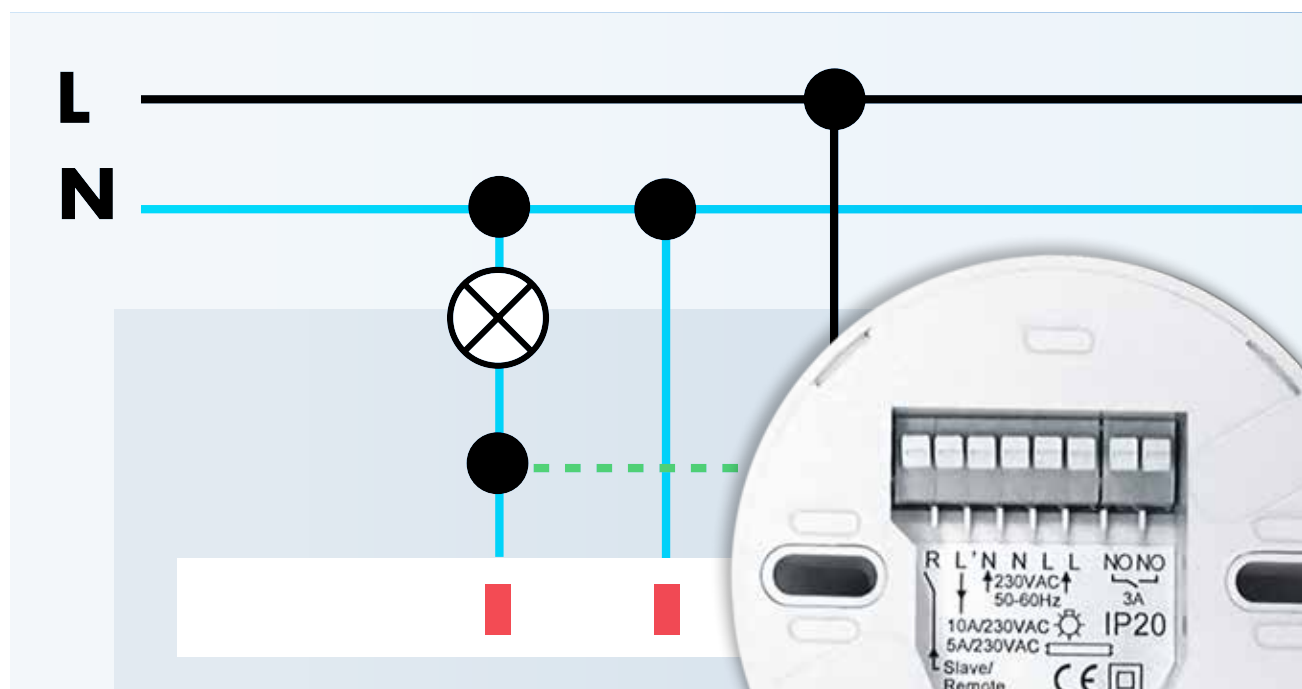
#### Colour

grey

#### Part number

92332

## LUXOMAT® Schematics for electricians and consultants



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

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

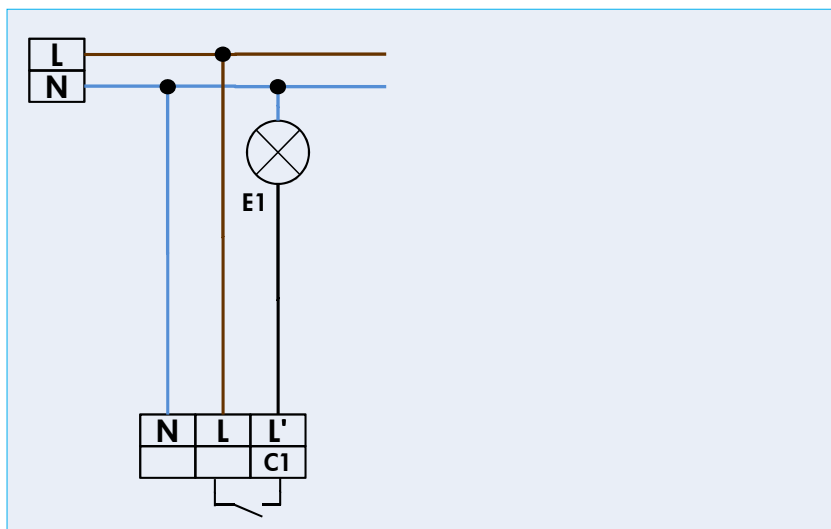
**B.E.G.** products are distinguished by simple installation and maintenance as through their versatility.

The demands **B.E.G.** places on its products' quality and comfort starts with installation.

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

Index	Page
Outdoor, wall and ceiling-mounted motion detectors	143 - 146
Ceiling-mounted occupancy detectors	147 - 156

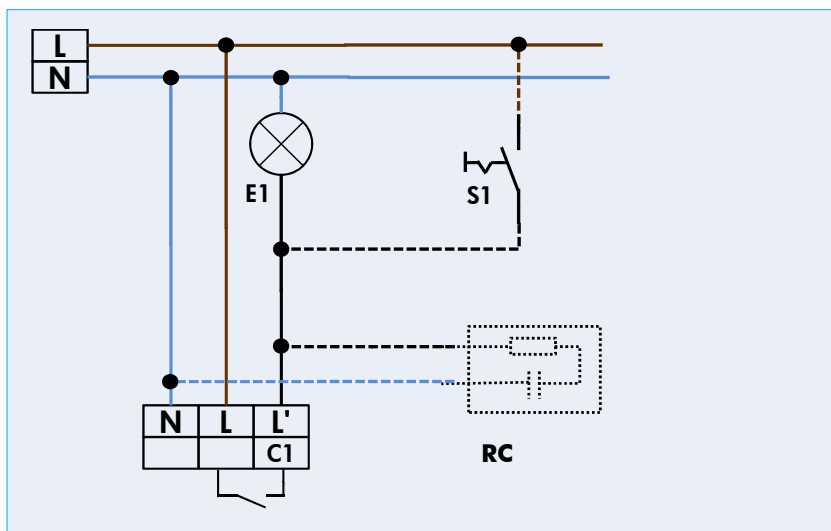
## Standard mode with 1-channel motion detector



### Wiring diagram for

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

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



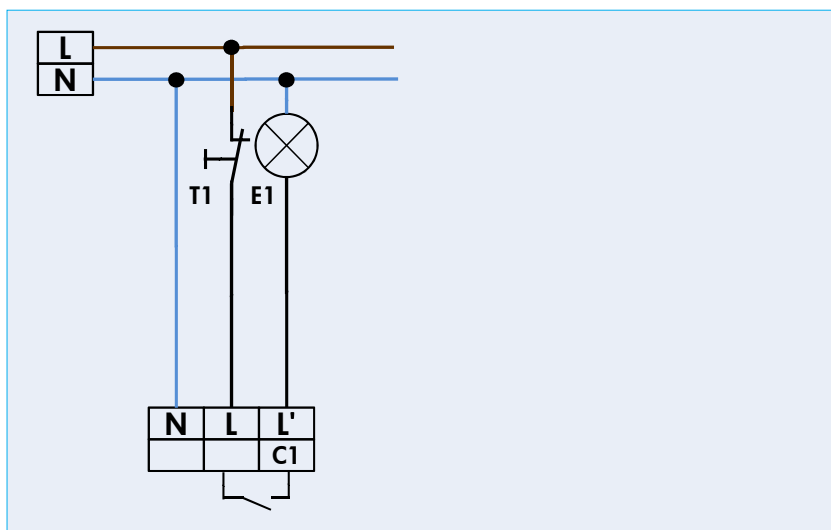
### Wiring diagram for

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

### optional:

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

## Standard mode with 1-channel motion detector with NC pushbutton



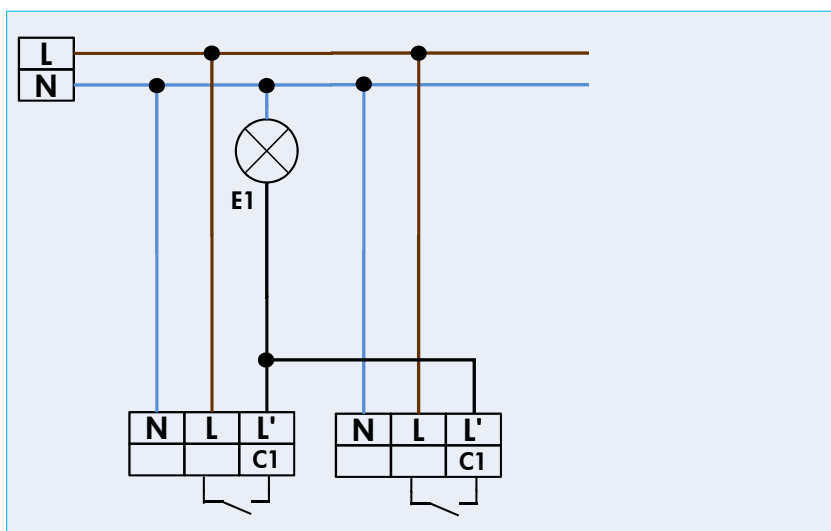
### Wiring diagram for

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

### T1 = NC button

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

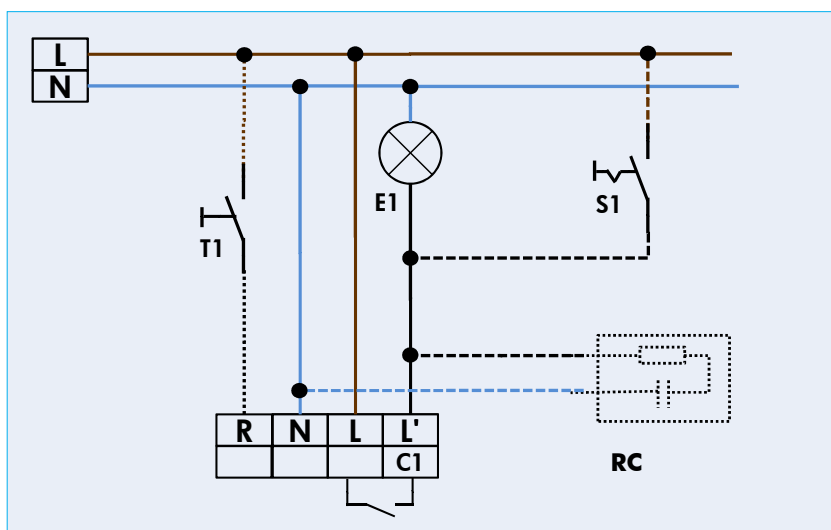
## Parallel connection with 1-channel motion detectors



### Wiring diagram for

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

## Standard mode with 1-channel motion detector



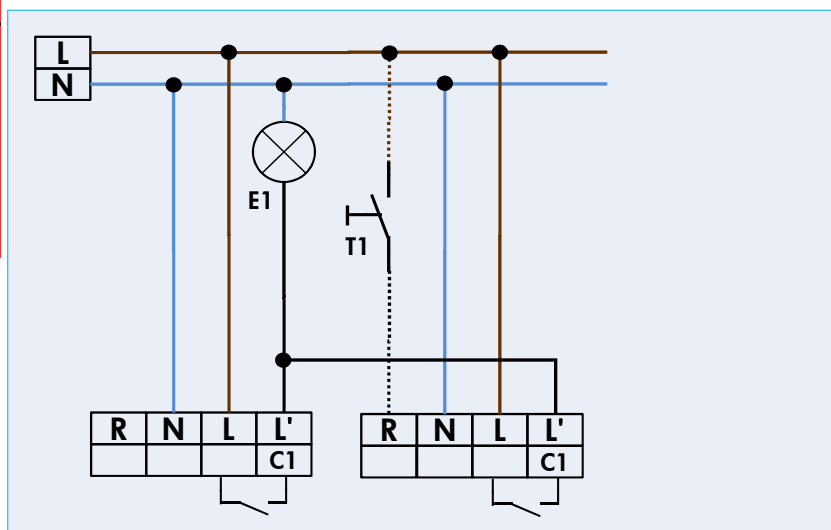
### Wiring diagram for

- Indoor 180-R

### optional:

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

## Parallel connection with 1-channel motion detectors



### Wiring diagram for

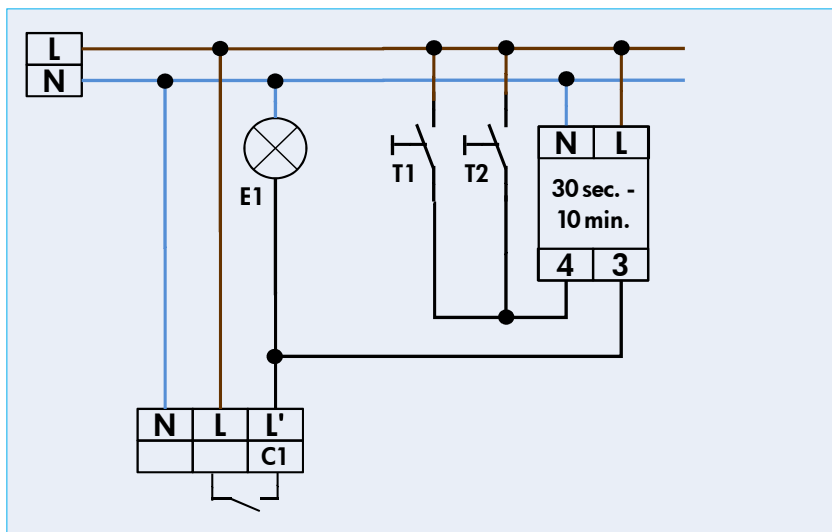
- Indoor 180-R max. 8 parallel

### optional

- T1 = NO button, manual switching additionally possible



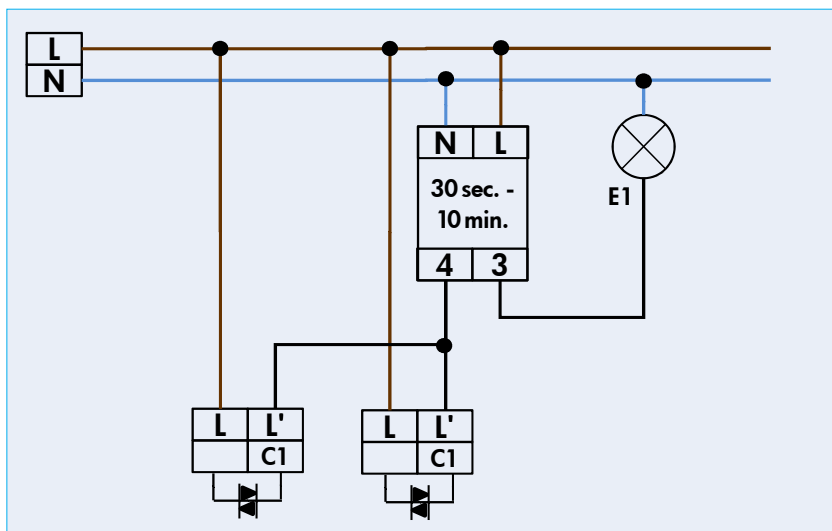
## Standard mode with 1-channel motion detector (e.g. stairs)



### Wiring diagram for

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

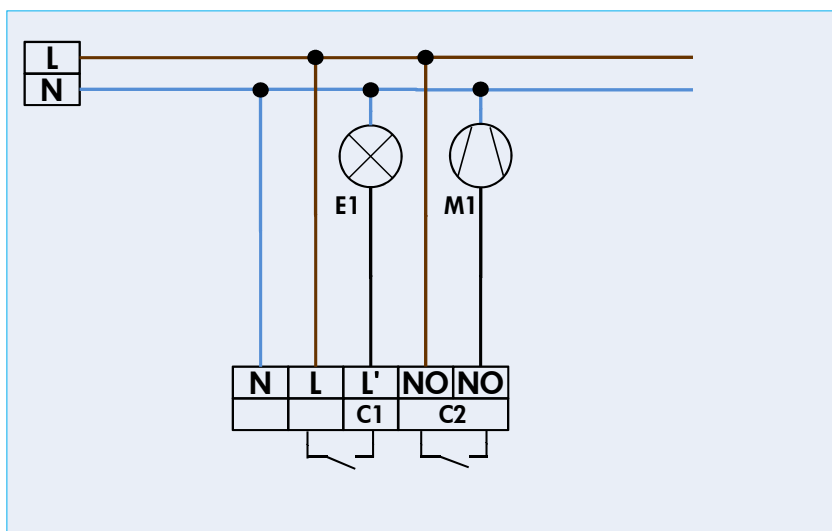
## Standard mode with 1-channel motion detector (e.g. stairs)



### Wiring diagram for

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

## Standard mode with 2-channel motion detector

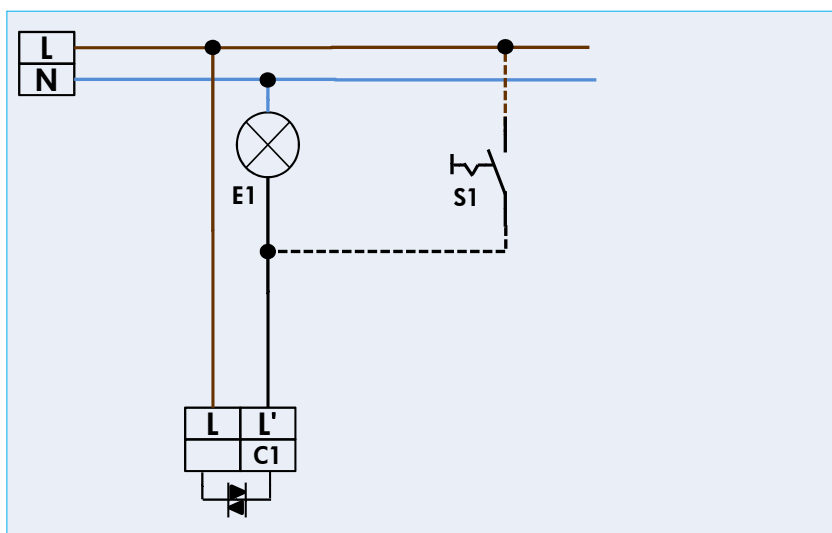


### Wiring diagram for

- PD3N-2C

M1 = HVAC function

## Standard mode with 2-wire technology, triac



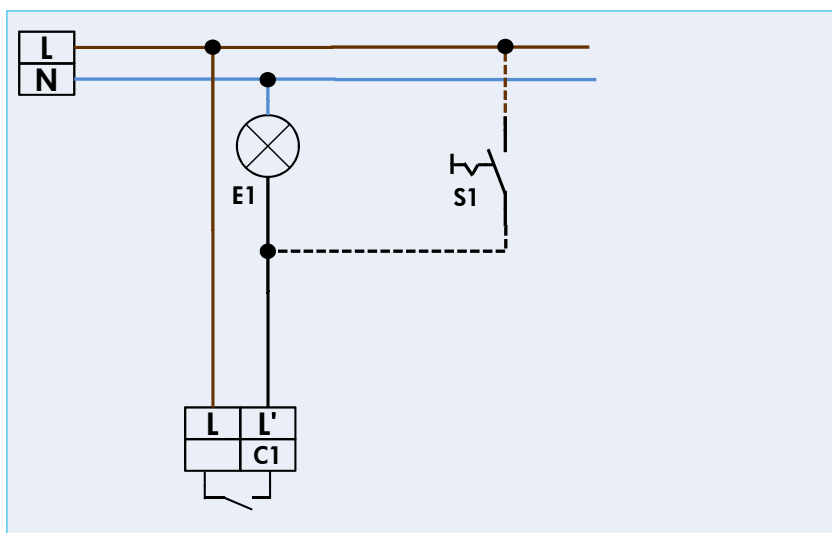
### Wiring diagram for

- Indoor 180-T

### optional

S1 = switch for permanent light

## Standard mode with 2-wire technology, relay



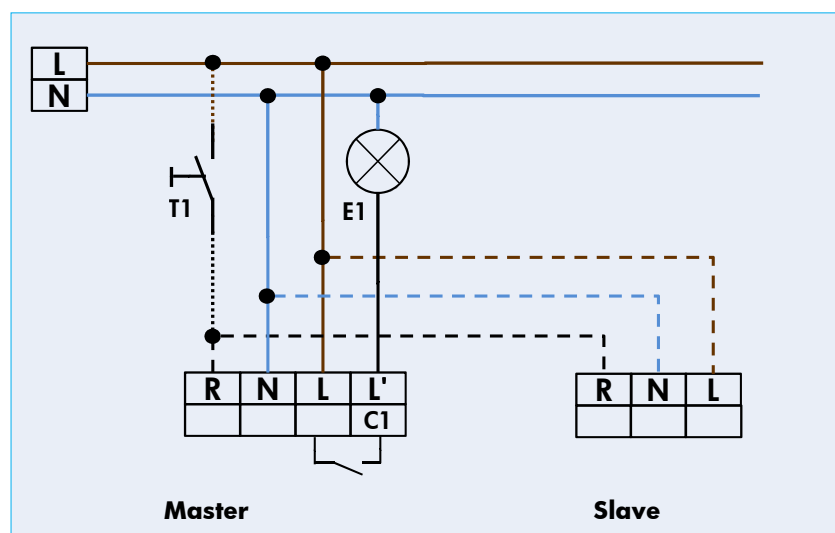
### Wiring diagram for

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

### optional

S1 = switch for permanent light

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



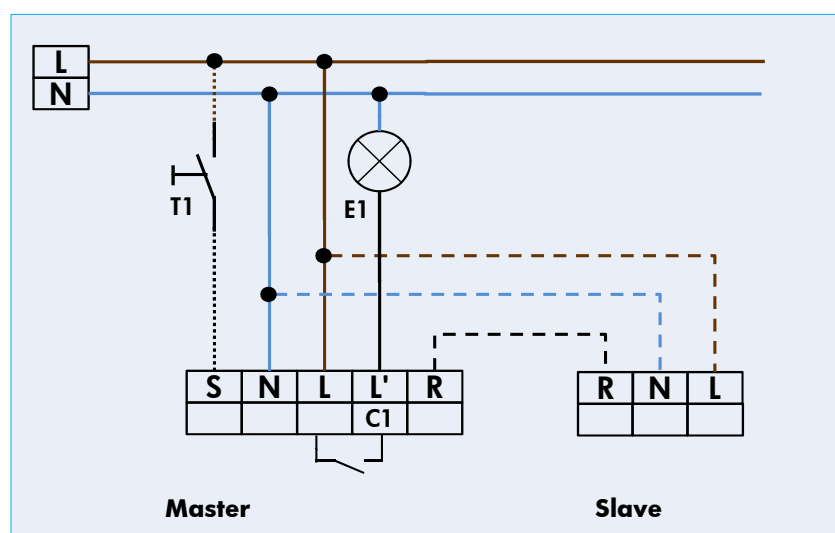
### Wiring diagram for

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

### optional

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

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



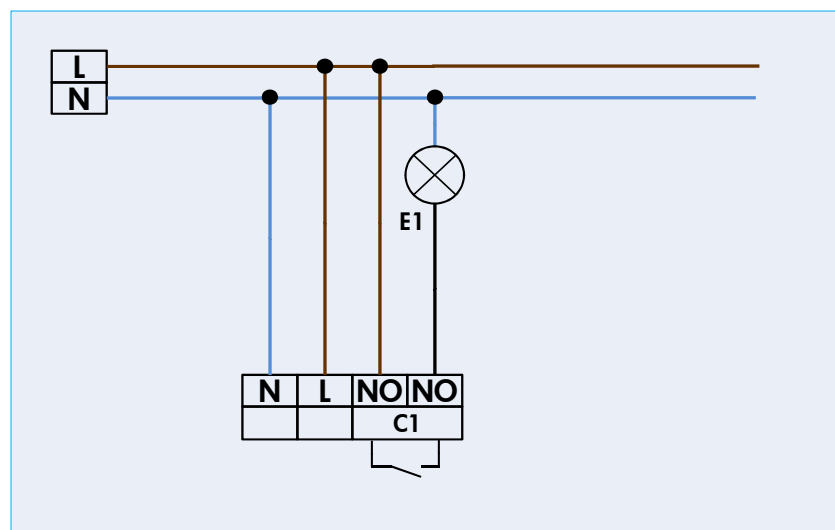
### Wiring diagram for

- PD9-M-1C

### optional

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

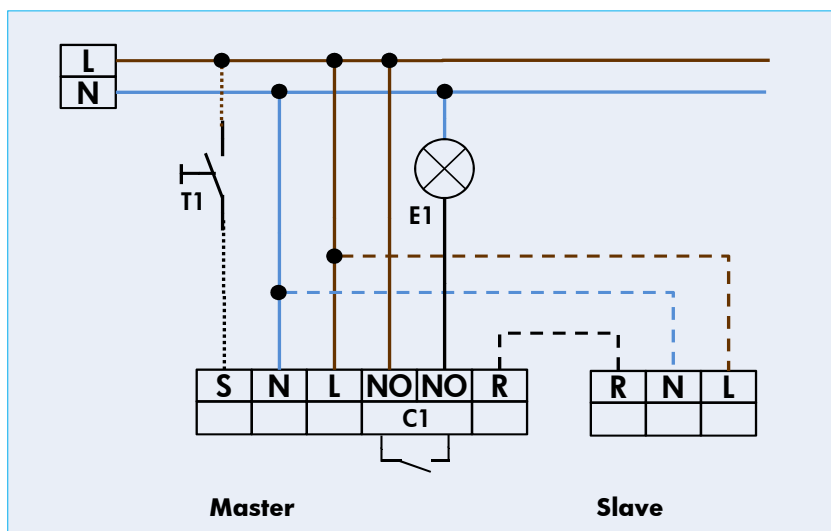
## Standard mode with Master 1-channel occupancy detectors (NO)



### Wiring diagram for

- PD9-M-1C-SDB
- PD9-DIGI

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



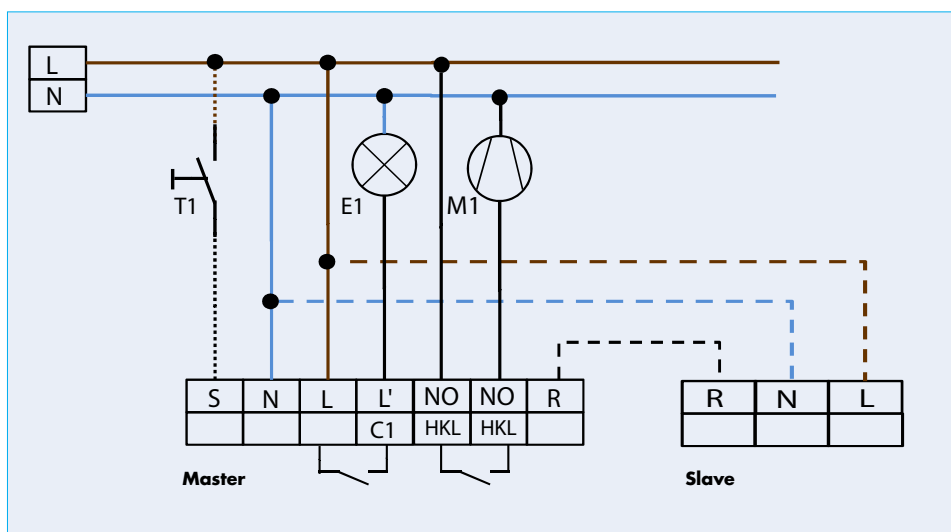
### Wiring diagram for

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

### optional

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

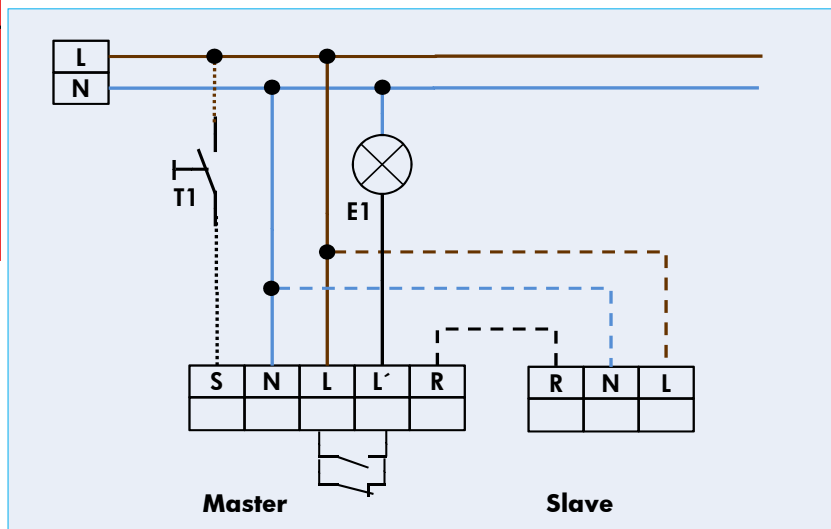
## Standard mode with Master 1-channel occupancy detectors HVAC



### Wiring diagram for

- PD9-M-1C+HVAC

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



### Wiring diagram for

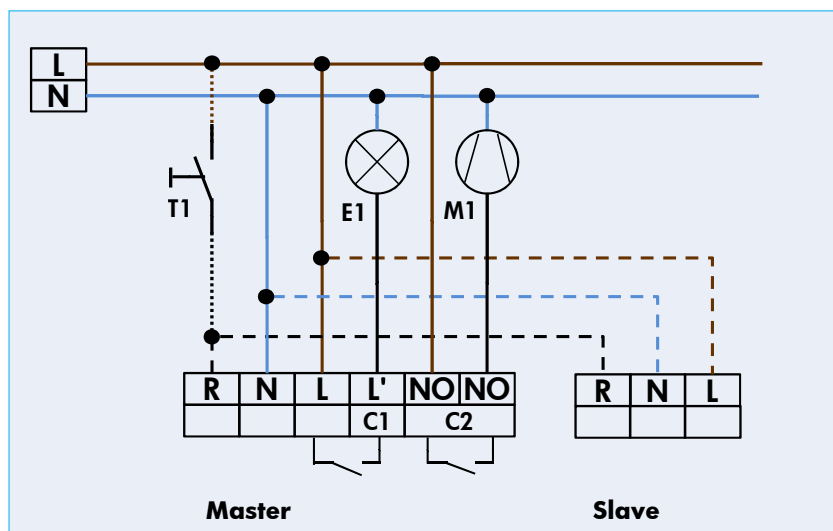
- PD4-M-1C-C-PS

### optional

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



## Standard mode with Master 2-channel occupancy detectors



### Wiring diagram for

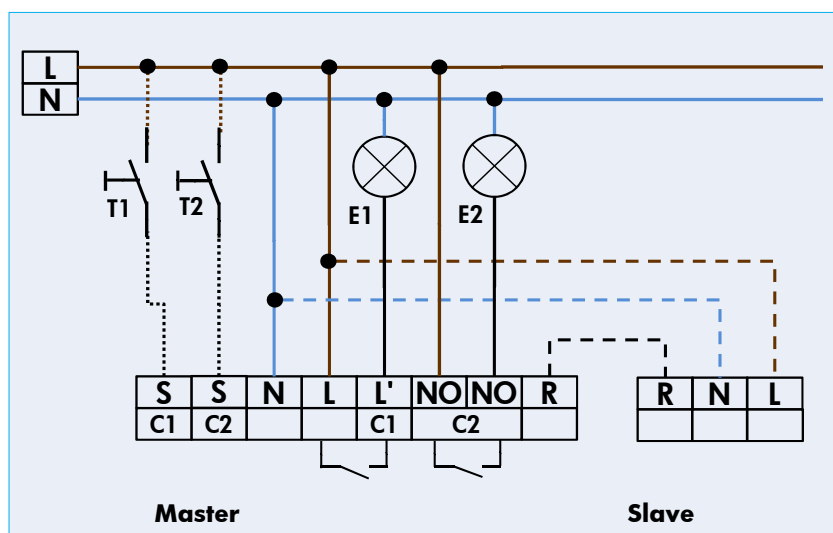
- PD1N-M-2C
- PD2-M-2C
- PD4-M-2C
- Indoor 180-M-2C

M1 = HVAC function

### optional

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

## Standard mode with Master 2-channel DUO occupancy detectors



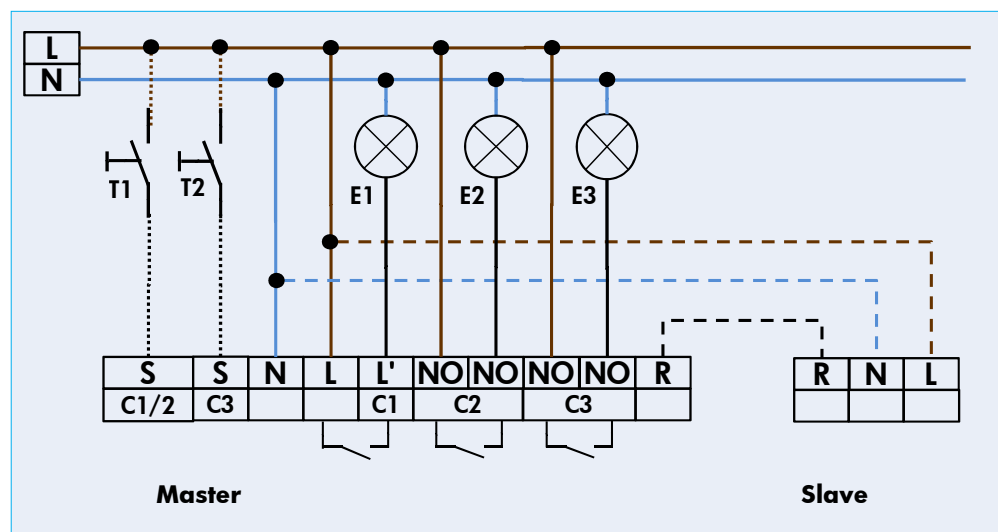
### Wiring diagram for

- PD4-M-2C-DUO

### optional

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

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



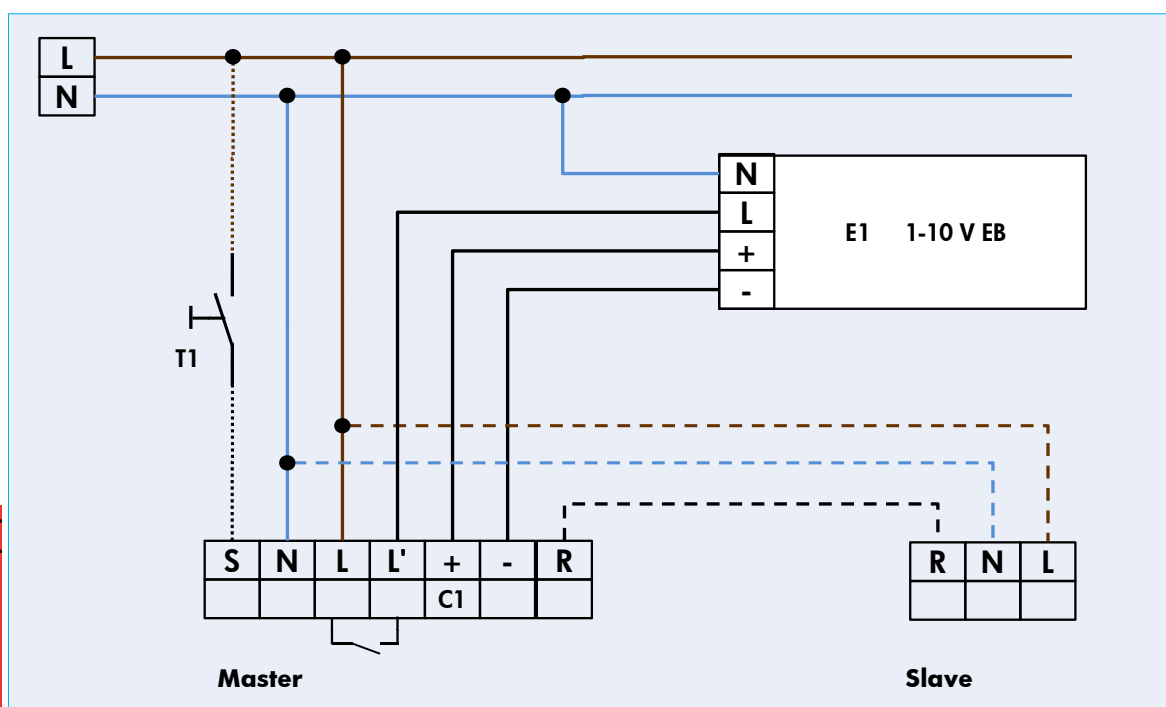
### Wiring diagram for

- PD4-M-3C-TRIO

### optional

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

## Standard mode with Master DIM occupancy detectors



### Wiring

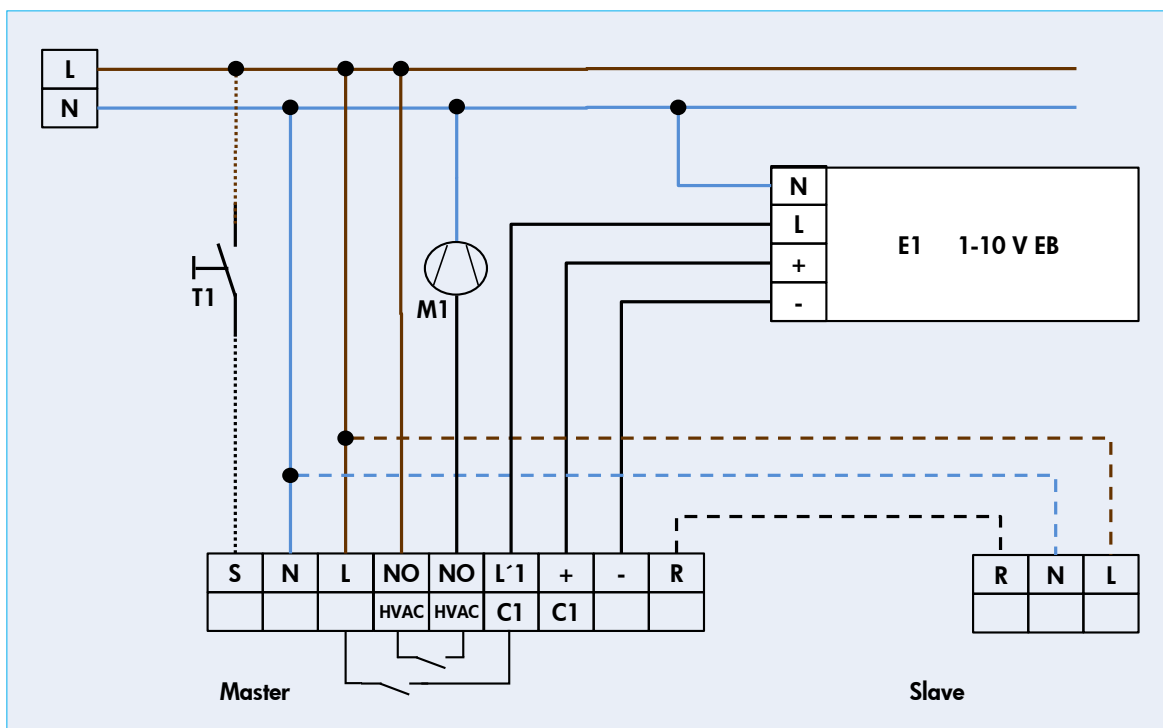
### diagram for

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

### optional

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

## Standard mode with Master DIM HVAC occupancy detectors



**Wiring diagram for**  
• PD4-M-DIM-HVAC

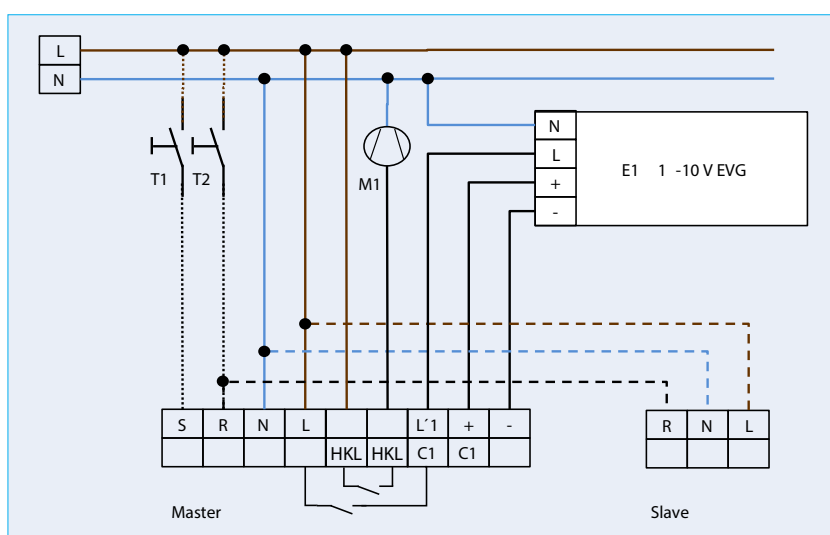
M1 = HVAC function

### optional

T1 = NO button for semi-automatic mode

Slave for enlargement of detection area

## Standard mode with Master DIM HVAC occupancy detectors



**Wiring diagram for**  
• PD9-M-DIM-HVAC

M1 = HVAC function

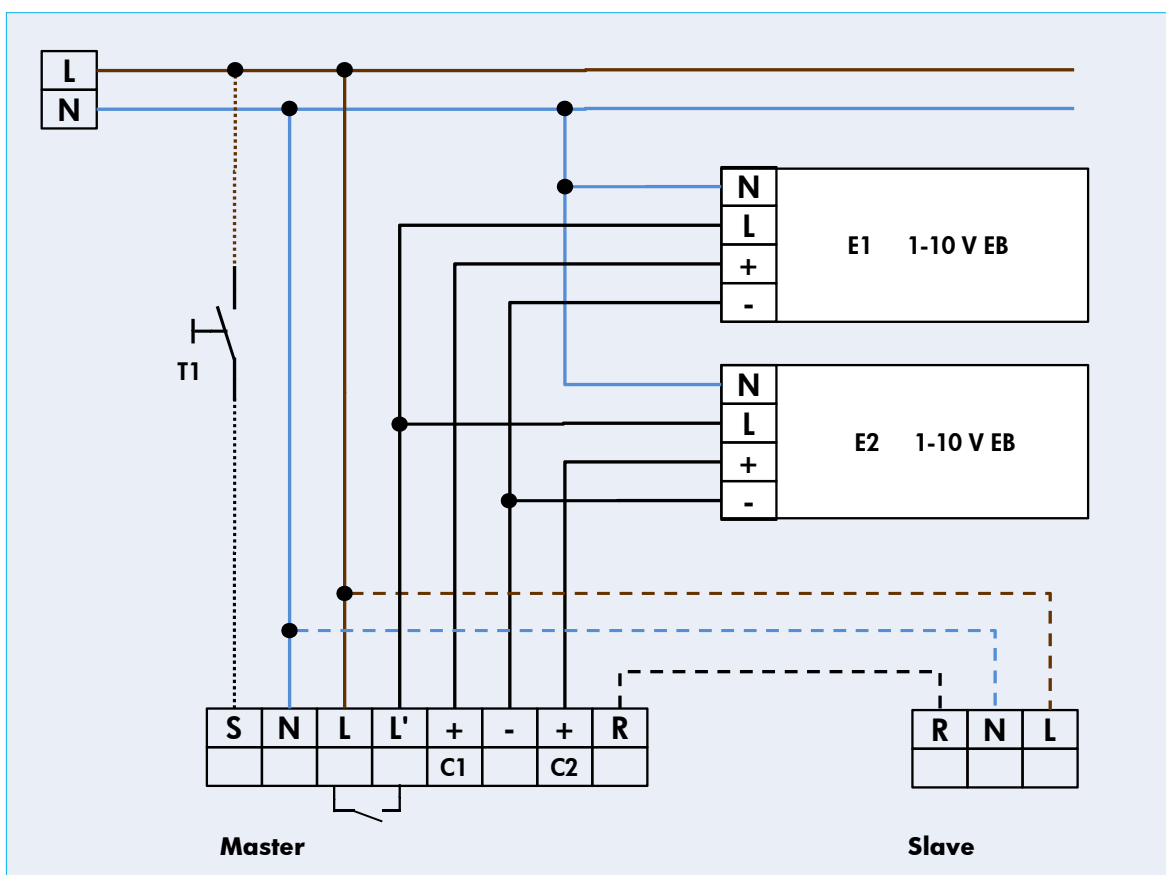
### optional

T1 = NO button for Light channel

T2 = NO button for HVAC channel

Slave for enlargement of detection area

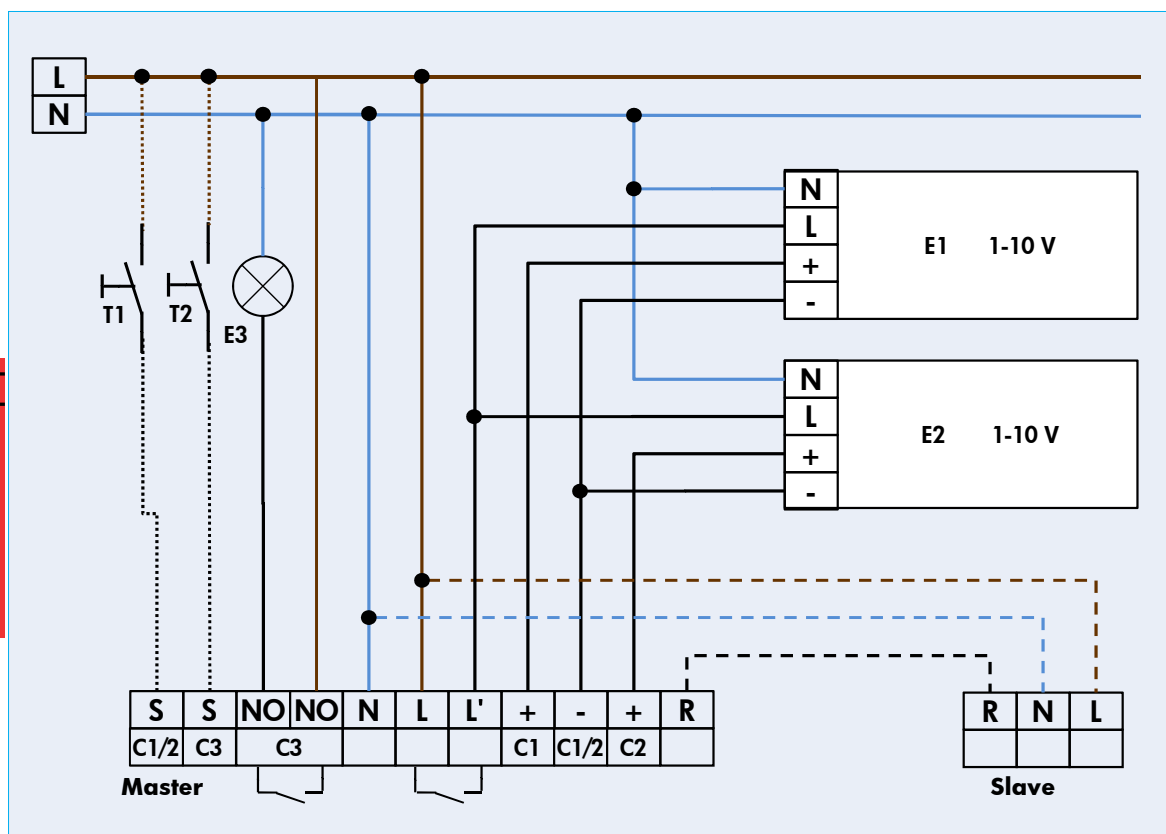
## Standard mode with Master DUO DIM occupancy detectors



**Wiring diagram for**

- PD4-M-DUO-DIM

## Standard mode with Master TRIO DIM occupancy detectors



**Wiring diagram for**

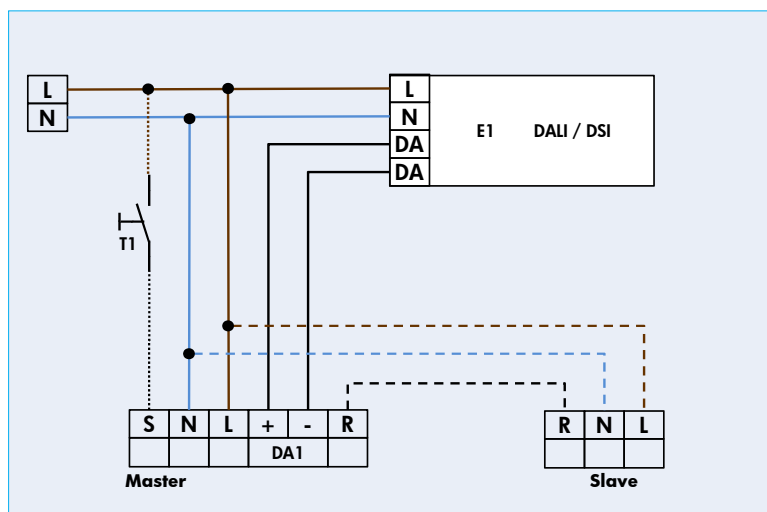
- PD4-M-TRIO-DIM

**optional**

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



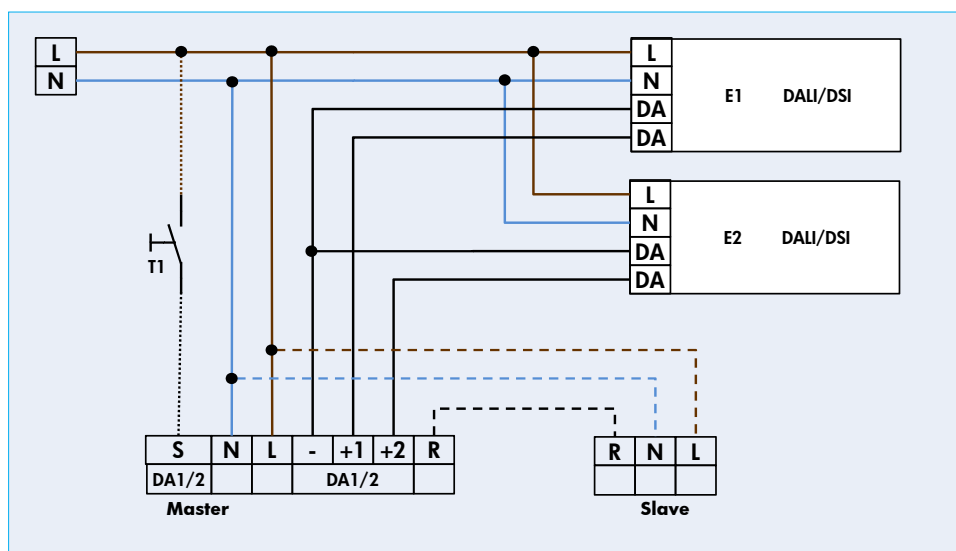
## Standard mode with Master DALI occupancy detectors



### Wiring diagram for

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

## Standard mode with Master DUO DALI occupancy detectors



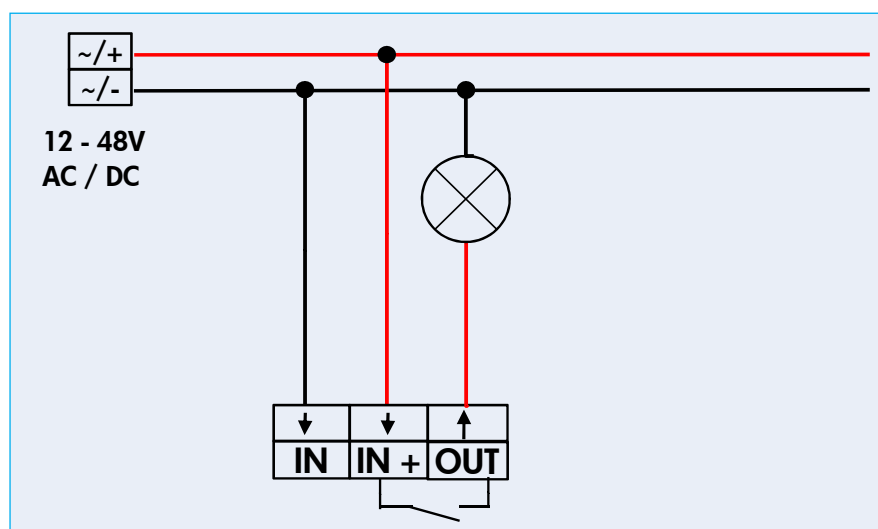
### Wiring diagram for

- PD4-M-DUO-DALI

### optional

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

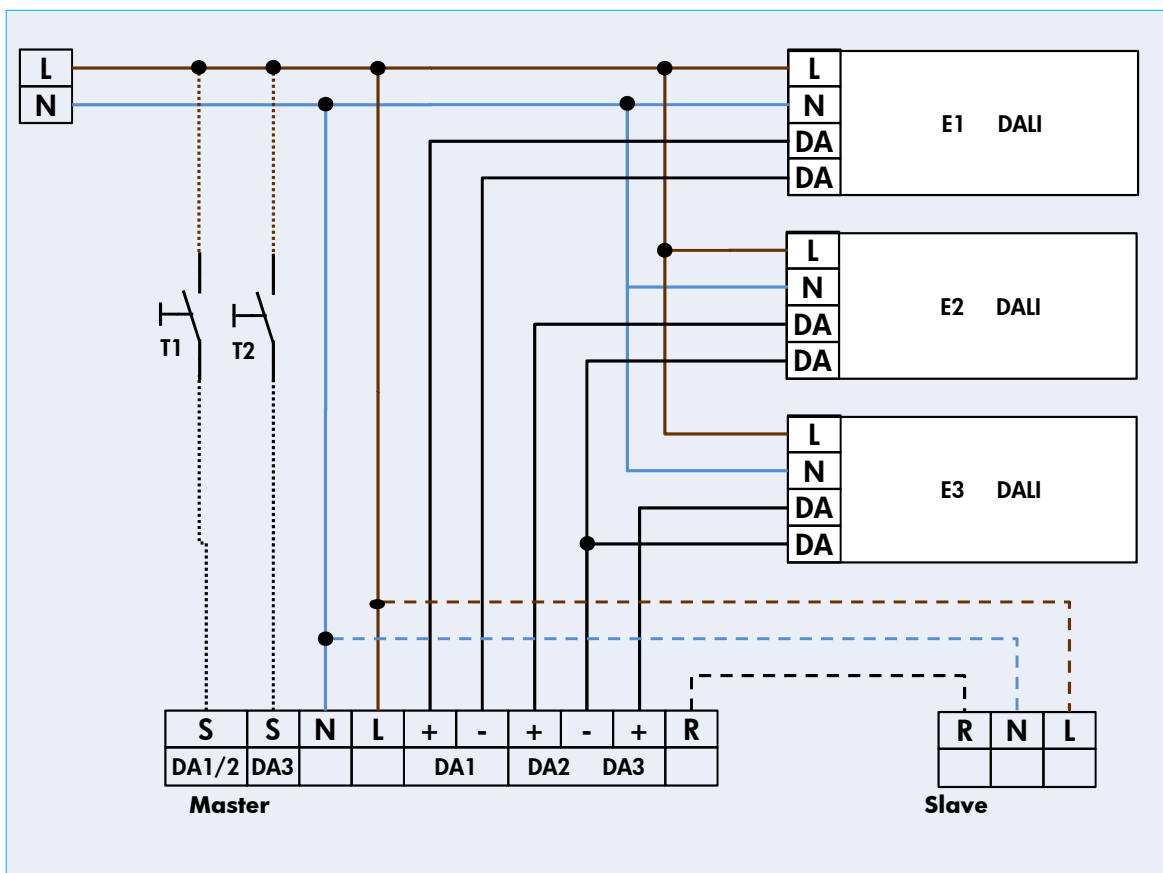
## Standard mode with Master-2 Channel-12-48V-occupancy detectors



### Wiring diagram for

- PD9-1C-12-48V

### Standard mode with Master TRIO DALI occupancy detectors



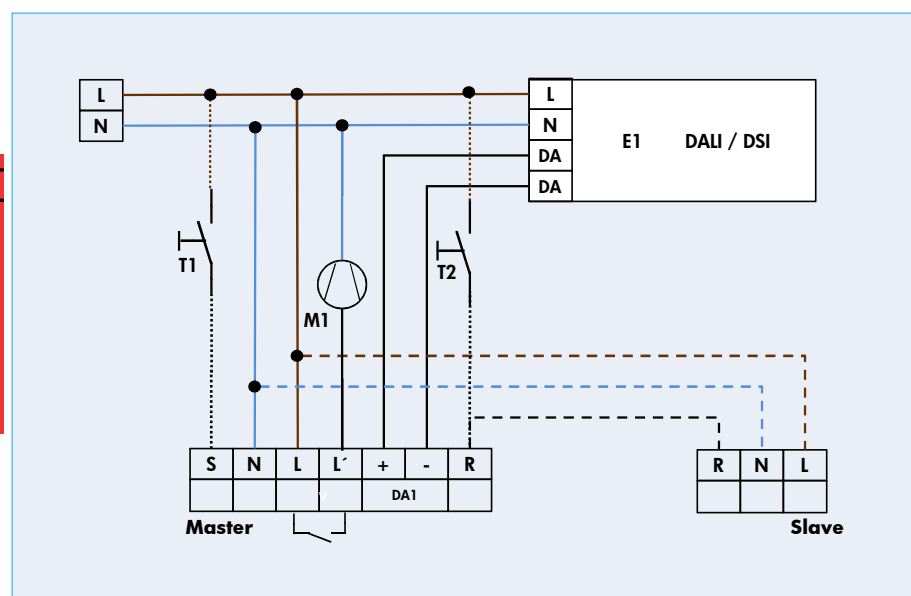
### Wiring diagram for

- PD4-M-TRIO-DALI

**optional**

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

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



### Wiring diagram for

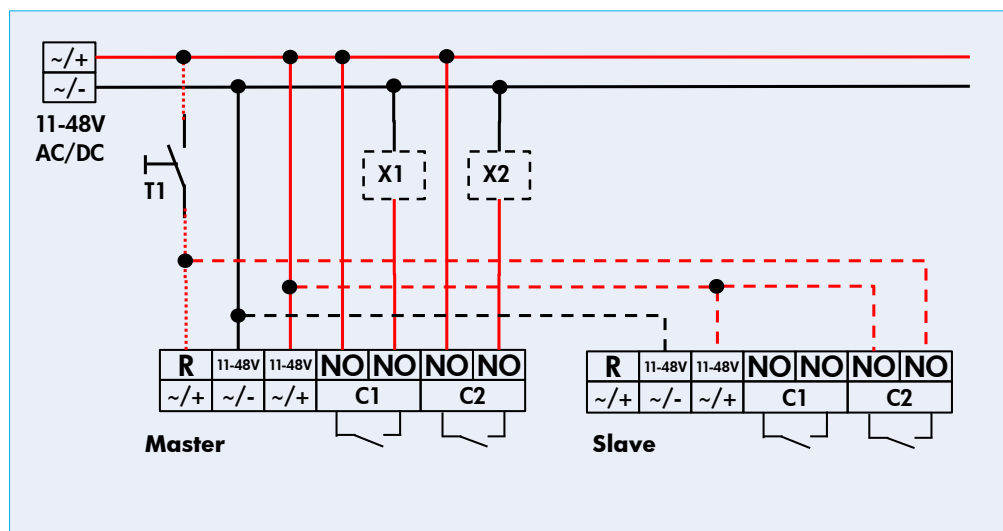
- PD2-M-DALI/DSI-1C
- PD4-M-DALI/DSI-1C

L' = HVAC-function  
M1 = HVAC-function

**optional**

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

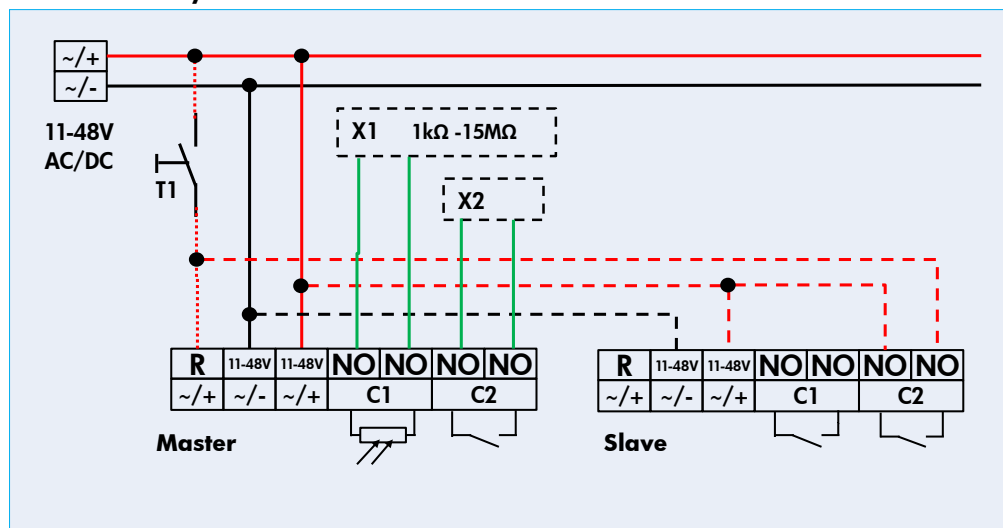
## Standard mode with Master-2 Channel-11-48V-occupancy detectors



### Wiring diagram for

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

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



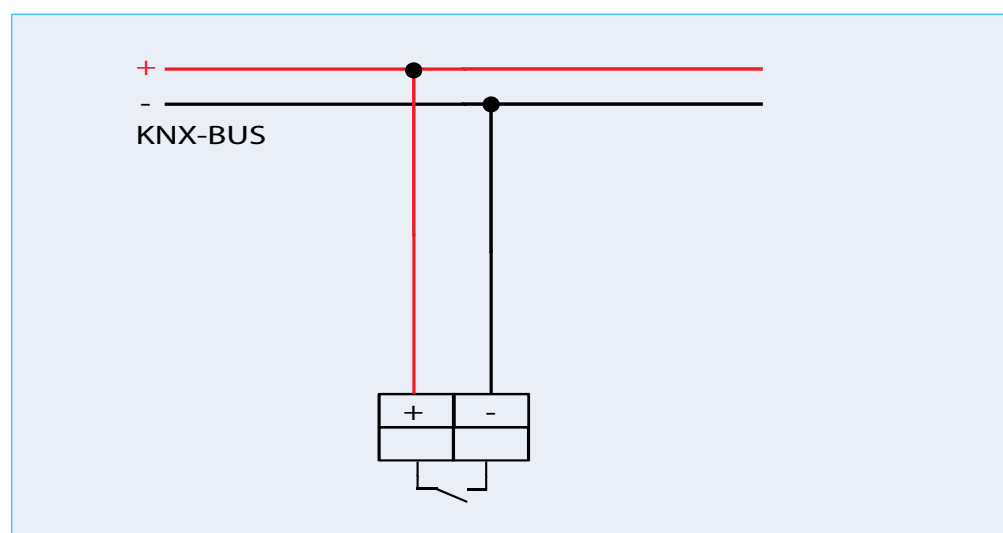
### Wiring diagram for

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

### optional

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

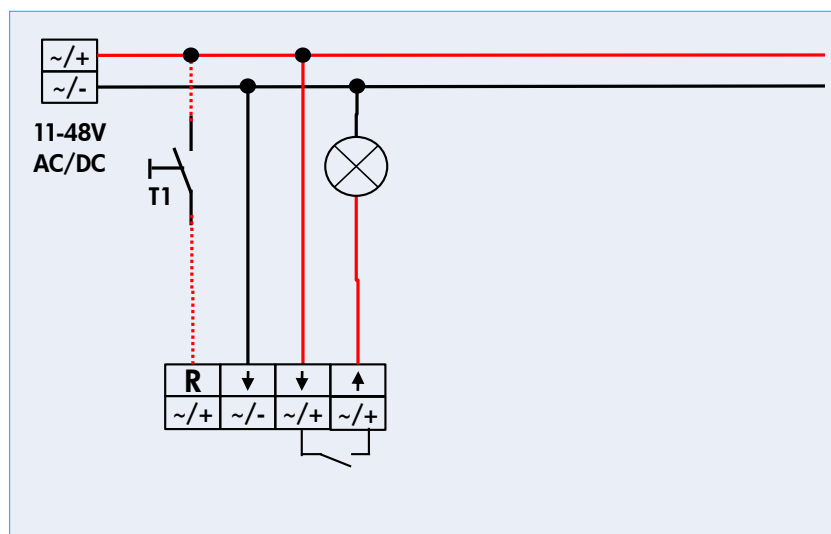
## Standard mode with KNX-BUS occupancy detectors



### Wiring diagram for

- PD1N-KNX
- PD2-DIM-KNX/EIB
- PD4-DIM-KNX/EIB
- PD4-DIM-KNX/EIB-GH
- PD4-DIM-KNX/EIB-K
- PD9-DIM-KNX/EIB
- PD9-DIM-KNX/EIB-GH
- PD11-FLAT-KNX

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



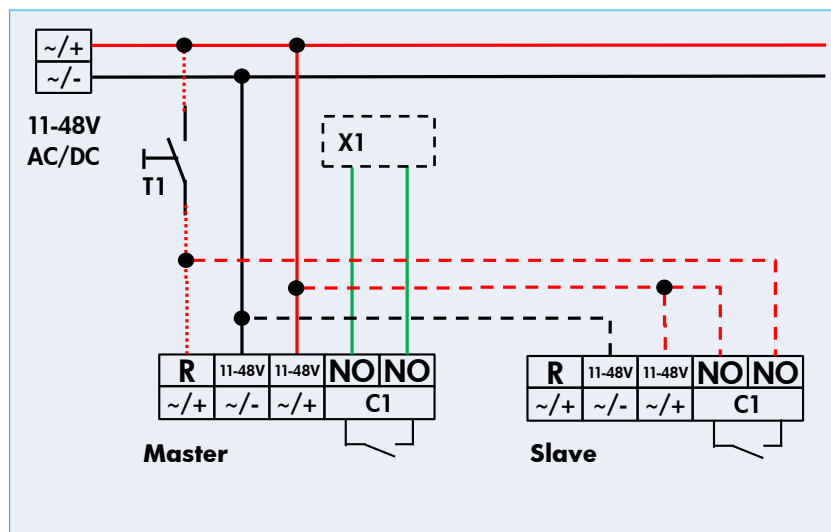
### Wiring diagram for

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

### optional

T1 = NO button for semi-automatic mode

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



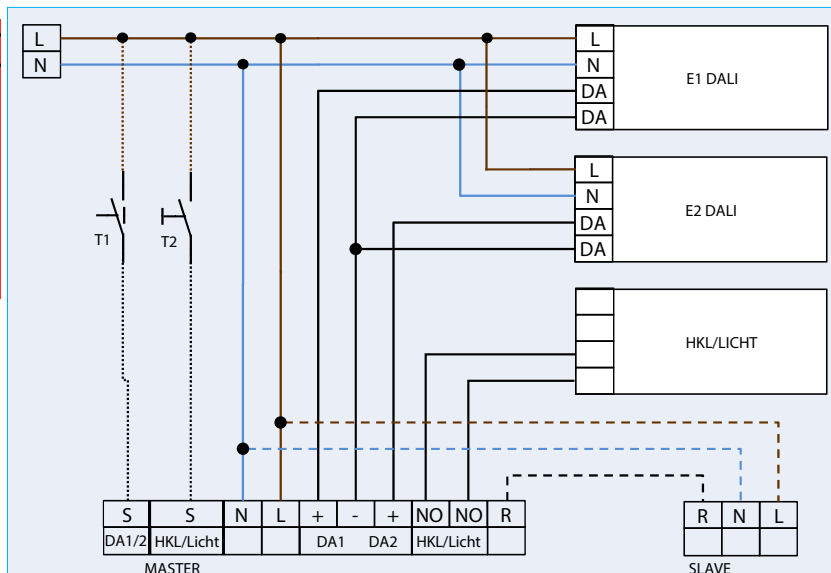
### Wiring diagram for

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

### optional

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

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



### Wiring diagram for

- PD4-M-TRIO-2DALI/DSI-1C-AP/-DE

### optional

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



## LUXOMAT® Application examples for electricians and planners



### Plan with B.E.G. comfortably and certainly

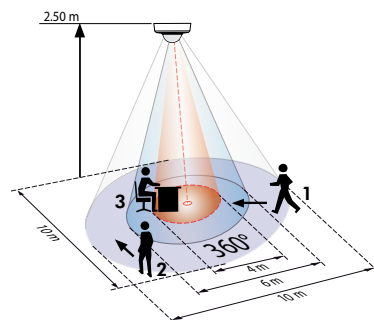
Along with a great number of useful practical tips, in this chapter you will also find many application examples for various motion and occupancy detector applications in offices, corridors and underground garages, etc.

Use **B.E.G.**'s experience for successful planning to easily deploy the **LUXOMAT®**- motion detectors.

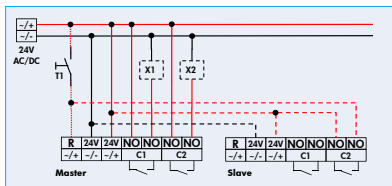
We'll help you choose the right product and find the best location. Simply send us your plans by fax or e-mail.

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Corridor	158 - 161
Open-plan office	162
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Conference room	168 - 170
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- 1 ■ Walking towards
- 2 ■ Walking across
- 3 ■ Seated / Smaller motions



## The optimal installation location

- The area to be monitored must be completely covered by the detector's coverage area. Pay attention to the various ranges for "sitting", "direct approach" and walking across". If possible, always mount the detector lateral to the direction people and vehicles are moving.
- Ensure a clear view: globes, windows, partitions, furniture, plants, suspended lights and installations limit the detector's coverage area.
- Pay attention to sources of interference in the coverage area. Trees, bushes, switching fan heaters, fans, all devices that generate heat sources etc. (non interfering sources are: heating radiators, computer, sunny areas, room ventilation systems).
- Maintain a minimum clearance of 1 meter from switched lights.
- The switched lights must not be placed in the detector's coverage range (e.g. lighting underneath the detector), indirect lighting must not throw its cone of lights directly onto the detector.
- If possible, maintain the recommended installation height of 2.50 - 3.00 meters (flush-mounted wall detectors 1.10 - 2.20 meters, GH-detectors for great installation heights up to 10.00 meters).

### Correct connection

- Never connect more than five devices in parallel. The more parallel detectors are connected, the larger and more confusing the coverage range becomes. That means complicated connections can lead to time-consuming troubleshooting. With several motion detectors connected in parallel, connected consumers might not switch off (can normally be solved by using an RC component).
- Do not switch Master occupancy detectors in parallel. Economically-priced Slave devices are available to increase the coverage area (please comply with the corresponding circuit diagrams).

## The correct settings

### Brightness value

- Transit areas 300 Lux
- Work areas (offices, meeting rooms etc.) 600 Lux
- Visually intensive jobs 1000 Lux
- Brightness measurement deactivated ("sun" symbol) for areas without daylight or during daytime/night-time operation

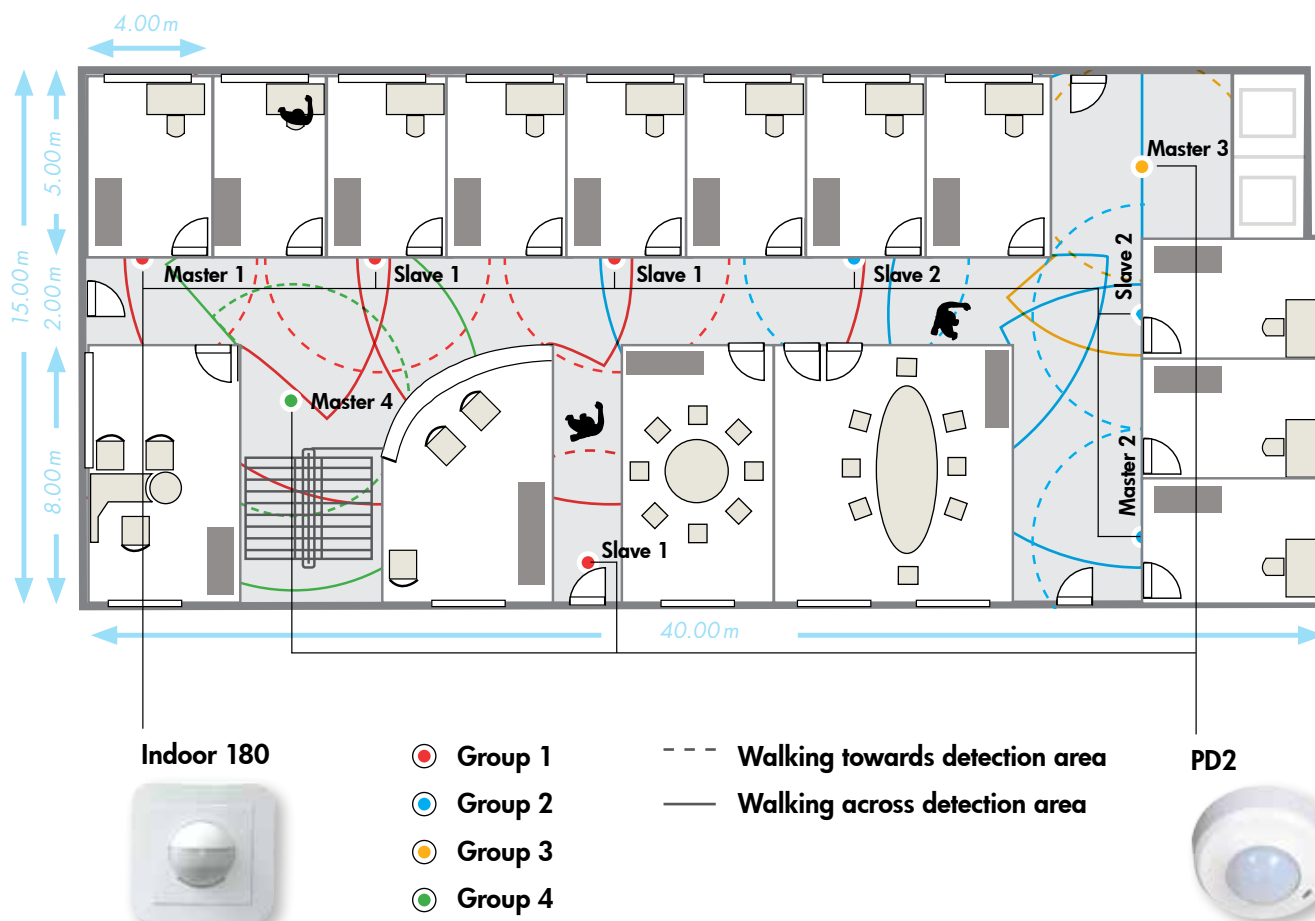
### Switch-off delay time for lighting control

- Transit areas approx. 5 min.
- Work area approx. 15 min.
- Impulse operation (1 second) for triggering automatic staircase lighting switches and facility control systems

### Switch-off delay time for device control

- Depending on the type of consumer connected, 5 - 120 min.
- Impulse operation to trigger facility control systems
- Alarm impulse to prevent spurious triggering

# APPLICATION EXAMPLE 1: CORRIDOR WITH INDOOR 180 AND PD2



Description	Colour	Page	Part number
Sensor insert for Indoor 180-M-2C-FM	–	111	92661
Indoor 180-M-2C, fully fitted	pure white, RAL9010	111	92136
Sensor insert for Indoor 180-S-FM	–	112	92660
Indoor 180-S, fully fitted	pure white, RAL9010	112	92135
PD2-M-2C-SM	white	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	82	92152
PD2-S-FC	white	82	92166
PD2-S-FM	white	82	92156

## Application description:

An automatic lighting control with wall switches is to be implemented as an occupancy detector in an office-floor corridor. 4-lighting groups are to be formed and each is to be individually switched: The lobby to the staff elevators, a reception area and two separate corridor sectors.

## Note:

Pay special attention to the access areas. To ensure “dead zones” are prevented in the corridor, increase the switch-off delay time if necessary. When the detectors are being directly (radially) approached, it is critical that the range specifications specially indicated in the catalogue for “frontal approach (radial approach)” be taken into consideration. Corridors can be ideally kept under surveillance with both the PD4 corridor detector as well as with the Indoor 180 wall switch.

## Building information:

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

## Illumination:

Four separate lighting groups with electronic ballasts

## Products shown:

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

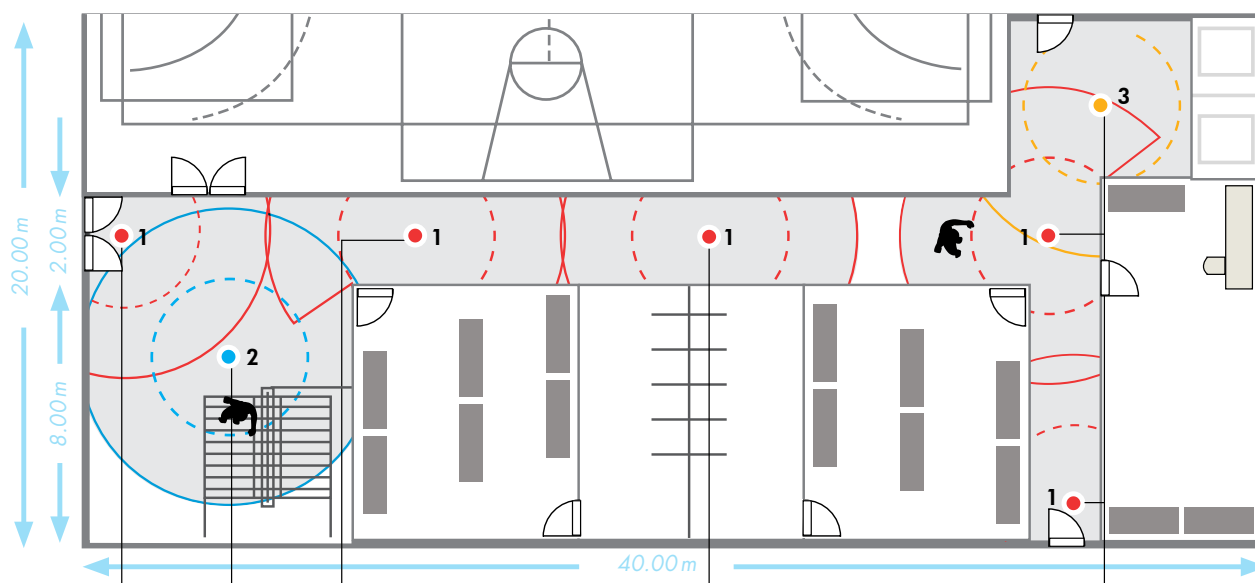
## Master settings PD2 / Indoor 180:

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

## Connected circuit:

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





● Group 1

● Group 2

● Group 3

- - - Walking towards detection area

— Walking across detection area

PD3N



Description	Colour	Page	Part number
PD3N-1C-SM	white	24	92190
PD3N-1C-FC	white	24	92196
PD3N-1C-FM	white	24	92186
PD3N-1C-SM Acoustic	white	25	92219
PD3N-1C-FC Acoustic	white	25	92184

#### ■ Application description:

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

#### ■ Note:

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

#### ■ Building information:

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

#### ■ Illumination:

Three separate lighting groups with electronic ballasts

#### ■ Products shown:

7 each LUXOMAT® PD3N-SM/FC/FM

#### ■ PD3N device settings:

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

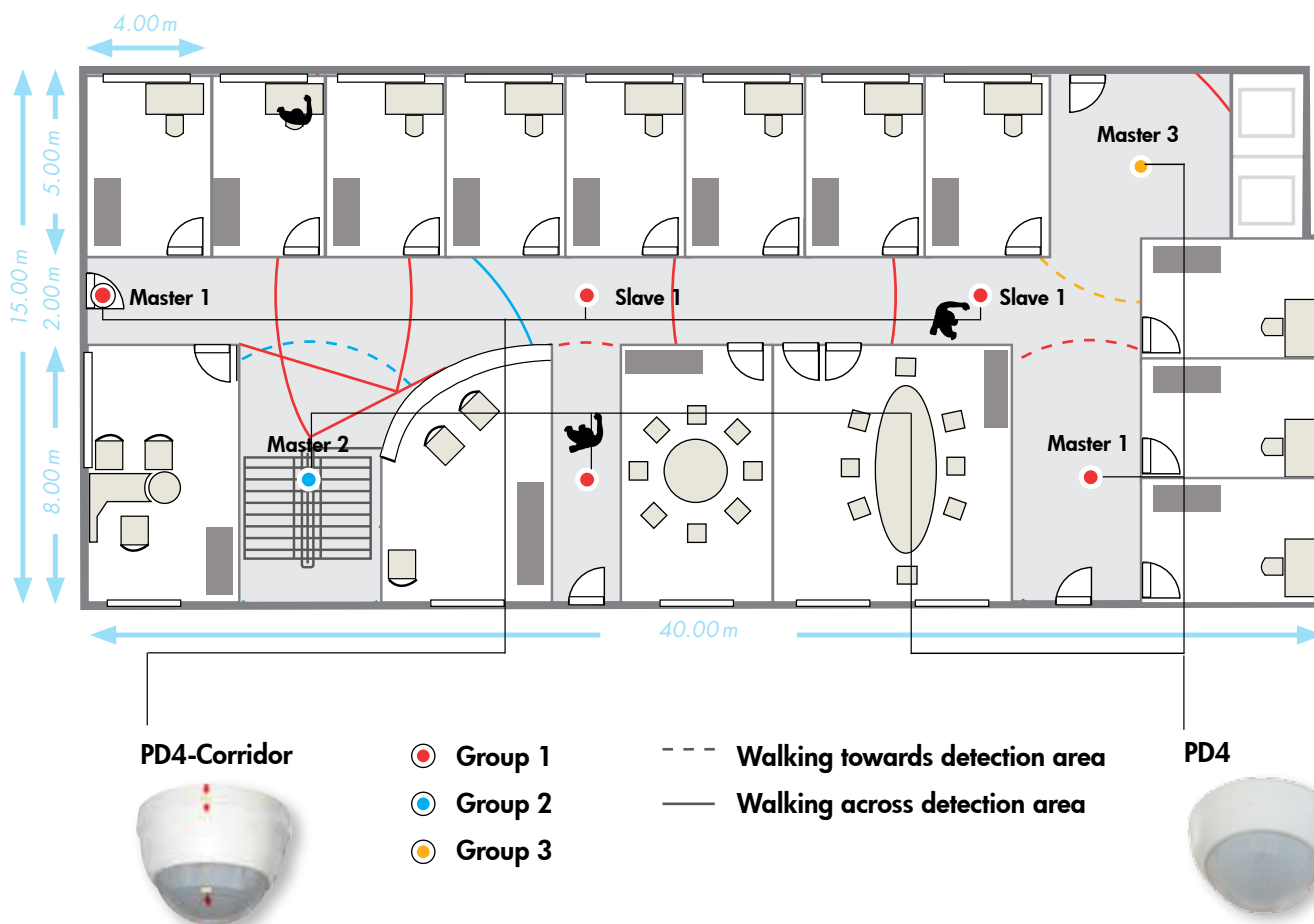
#### ■ Connected circuit:

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





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



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	84	92442
PD4-S-C-FC	white	84	92444
PD4-S-C-FM	white	84	92445
PD4-M-2C-SM	white	55	92140
PD4-M-2C-FC	white	55	92148
PD4-M-2C-FM	white	55	92255

## Application description:

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

## Note:

Pay special attention to the access areas to ensure "Dead zones" are prevented in the corridor. Increase the switch-off delay time if necessary. When being directly (radially) approached, it is critical to take the detector range specifications specially indicated in the catalogue into consideration for "frontal approach (radial approach)", 10m radius for the corridor occupancy detector. The large frontal sensitivity is available in the corridor axis only (180°). Across applies the sensitivity of the standard PD4.

## Building information:

Type: corridor without daylight  
Room height: 2.70 m

## Illumination:

Three separate lighting groups with electronic ballasts

## Products shown:

- 1 each LUXOMAT® PD4-Master-C (corridor occupancy detector)
- 2 each LUXOMAT® PD4-Slave-C (corridor occupancy detector)
- 4 each LUXOMAT® PD4-Master-SM/FM/FC

## PD4 device settings:

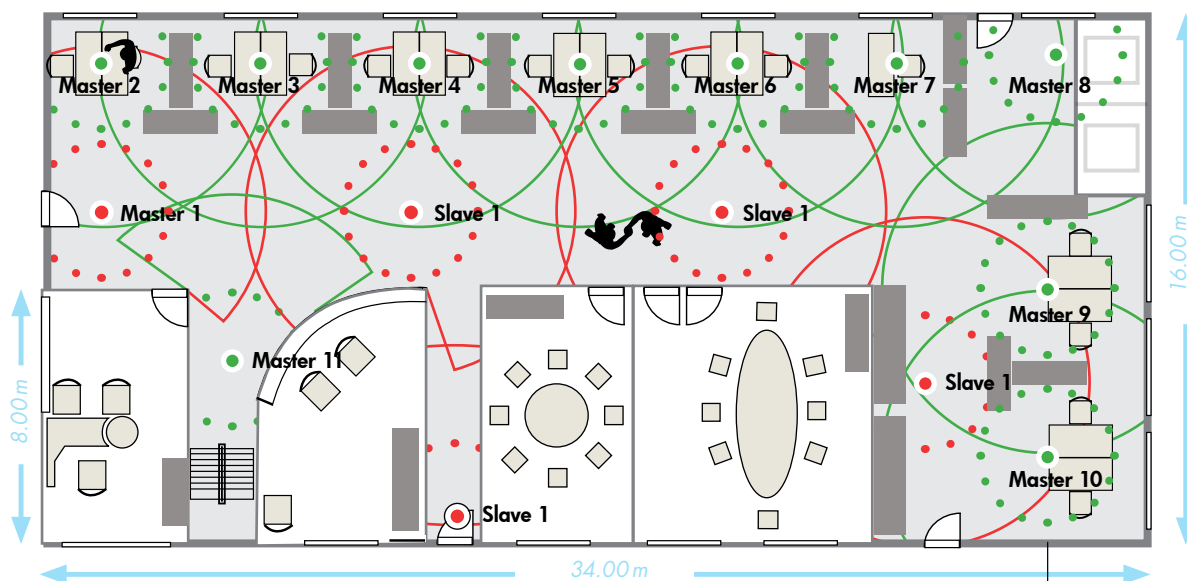
Switch-off delay time: approx. 5 min.  
Brightness: day/night ("sun" symbol)

## Connected circuit:

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



## APPLICATION EXAMPLE 4: OPEN-PLAN OFFICE WITH PD2



● Group 1

● Group 2 - 11

● ● ● Seated detection area

— Walking across detection area

PD2



Description	Colour	Page	Part number
PD2-M-2C-SM	white	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	82	92152
PD2-S-FC	white	82	92166
PD2-S-FM	white	82	92156

### Application description:

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

### Building information:

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

### Illumination:

Eleven separate lighting groups with electronic ballasts

### Products shown:

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

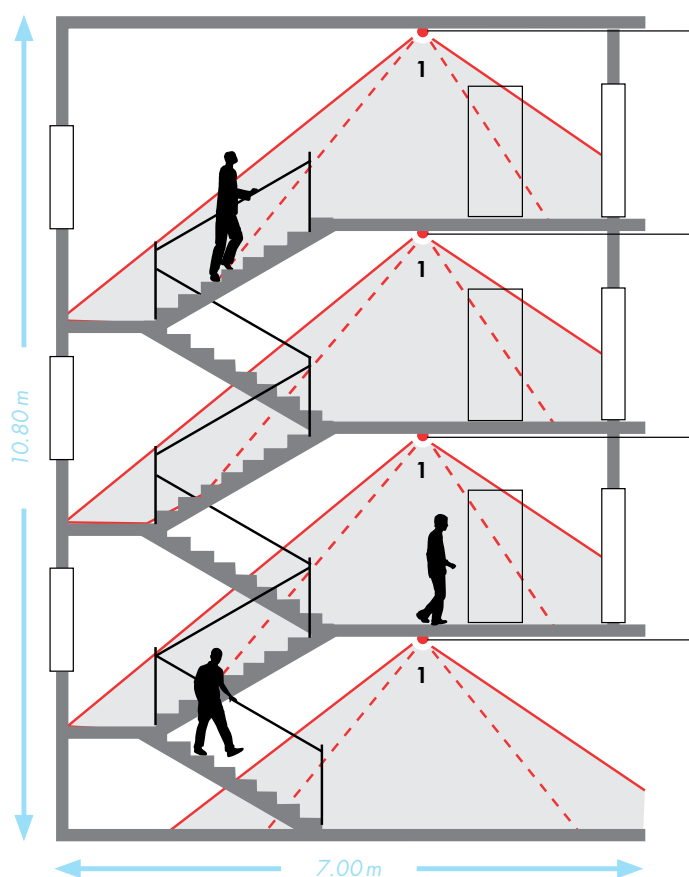
### PD2-Master device settings:

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

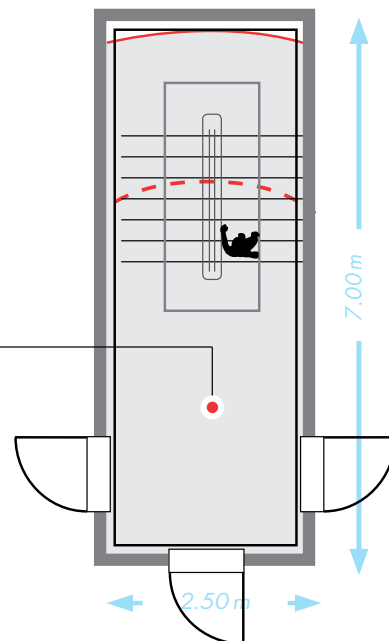
### Connected circuit:

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





PD3N



● Group 1

--- Walking towards detection area

— Walking across detection area

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

#### ■ Application description:

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

#### ■ Building information:

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

#### ■ Illumination:

One lighting group with electronic ballast

#### ■ Products shown:

4 each LUXOMAT® PD3N

#### ■ Device settings:

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

#### ■ Connected circuit:

Parallel operation

#### ■ Alternatives:

Typical example no. 6:

Staircase with LUXOMAT® PD2 occupancy detectors

Typical example no. 7:

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

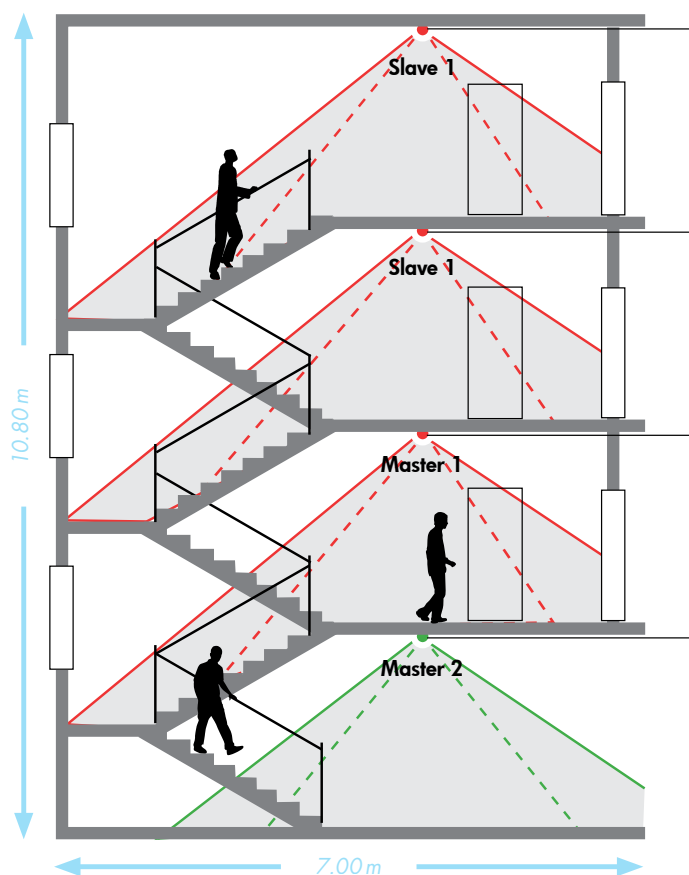
Typical example no. 8:

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

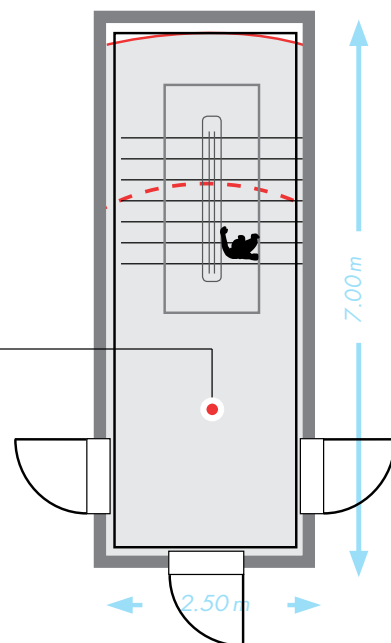
Typical example no. 9:

Staircase with LUXOMAT® RC-plus next motion detectors





PD2



● Group 1

● Group 2

- - - Walking towards detection area

— Walking across detection area

Description	Colour	Page	Part number
PD2-M-2C-SM	white	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	82	92152
PD2-S-FC	white	82	92166
PD2-S-FM	white	82	92156

#### ■ Application description:

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

#### ■ Building information:

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

#### ■ Illumination:

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

#### ■ Products shown:

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

#### ■ PD2-Master device settings:

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

#### ■ Connected circuit:

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

#### ■ Alternatives:

Typical example no. 5:  
Staircase with LUXOMAT® PD3N motion detectors

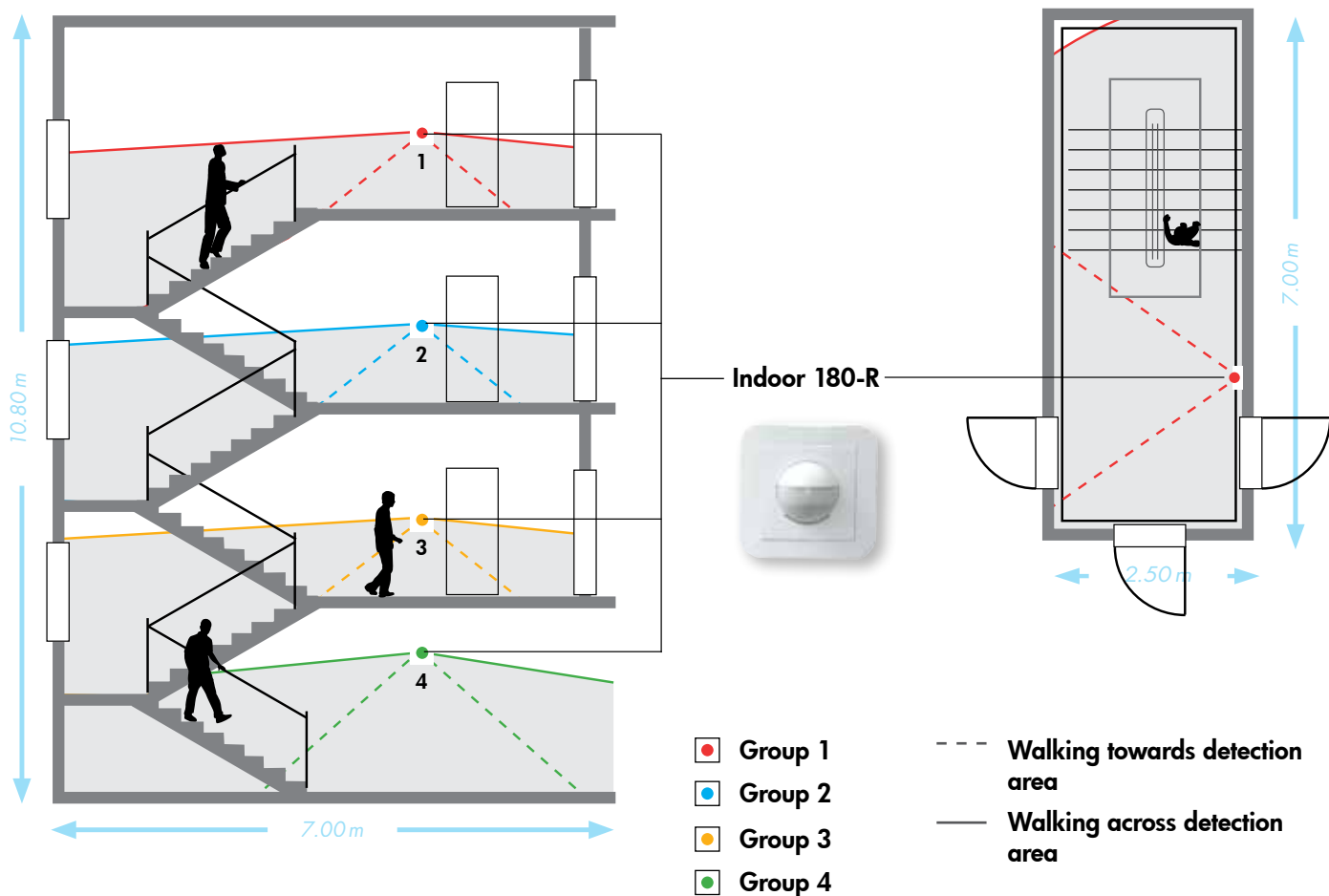
Typical example no. 7:  
Staircase with LUXOMAT® Indoor 180-R motion detectors using 3-conductor engineering

Typical example no. 8:  
Staircase with LUXOMAT® Indoor 180-SC motion detectors using 2-conductor impulse engineering

Typical example no. 9:  
Staircase with LUXOMAT® RC-plus next motion detectors







Description	Colour	Page	Part number
Sensor insert for Indoor 180-R-FM	–	107	92665
Indoor 180-R, fully fitted	pure white, RAL9010	107	92623

## Application description:

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

## Building information:

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

## Illumination:

Four separate lighting groups

## Products shown:

4 each LUXOMAT® Indoor 180-R

## Device settings:

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

## Connected circuit:

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

## Alternatives:

Typical example no. 5:

Staircase with LUXOMAT® PD3N motion detectors

Typical example no. 6:

Staircase with LUXOMAT® PD2 occupancy detectors

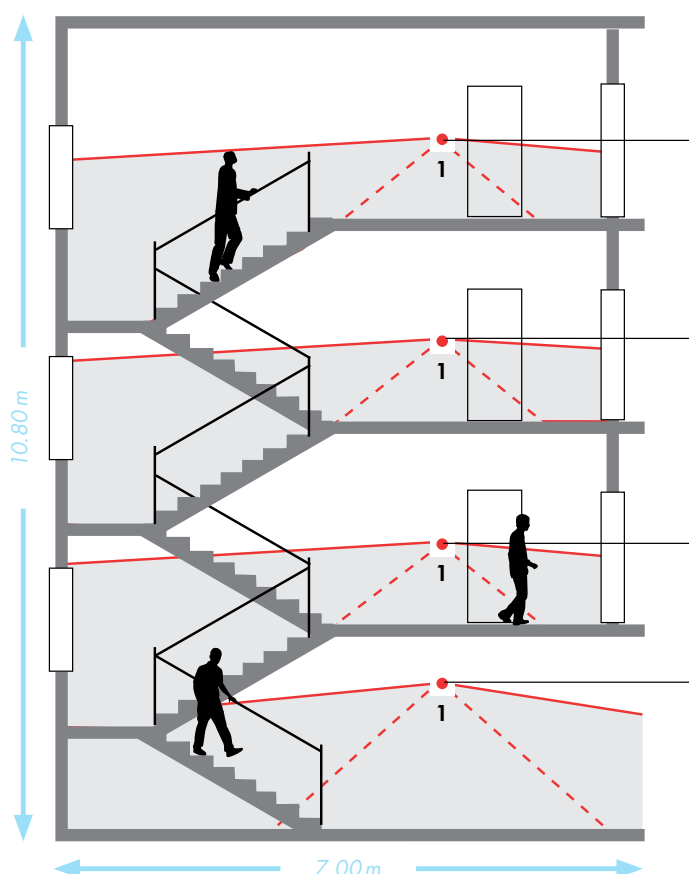
Typical example no. 8:

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

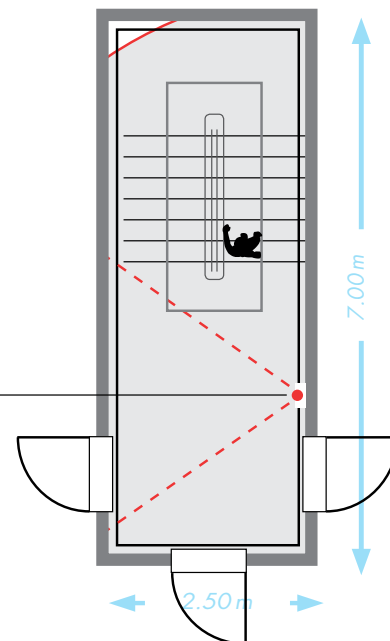
Typical example no. 9:

Staircase with LUXOMAT® RC-plus next motion detectors





Indoor 180-SC



■ Group 1

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

Description	Colour	Page	Part number
Sensor insert for Indoor 180-SC-FM	—	109	92668
Indoor 180-SC, fully fitted	pure white, RAL9010	109	92650

## Application description:

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

## Building information:

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

## Illumination:

1 lighting group with staircase switch

## Products shown:

4 each LUXOMAT® Indoor 180-SC

## Device settings:

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

## Connected circuit:

Parallel operation

## Alternatives:

Typical example no. 5:

Staircase with LUXOMAT® PD3N motion detectors

Typical example no. 6:

Staircase with LUXOMAT® PD2 occupancy detectors

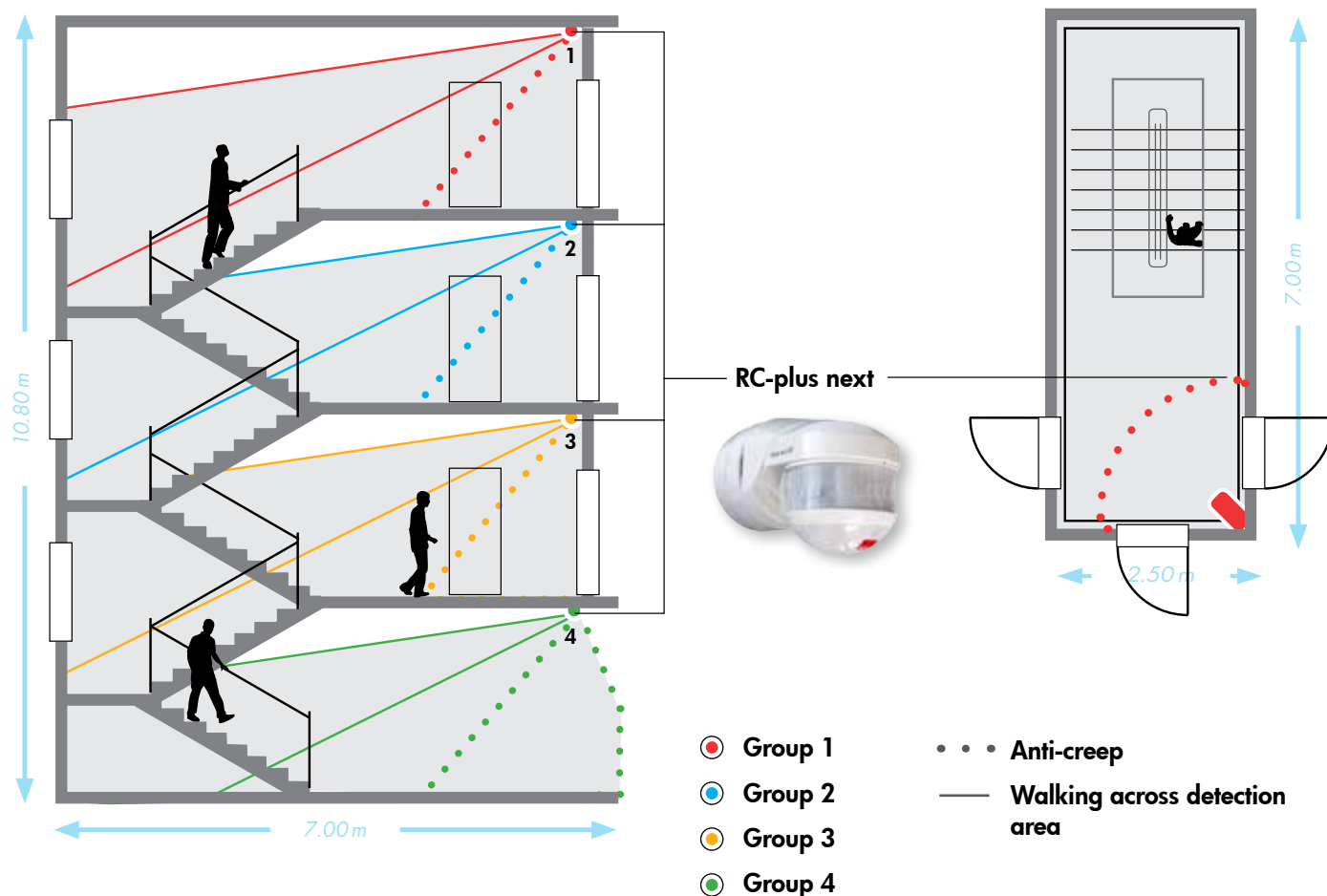
Typical example no. 7:

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

Typical example no. 9:

Staircase with LUXOMAT® RC-plus next motion detectors





Description	Colour	Page	Part number
RC-plus next 130	white	10	97001
RC-plus next 130	brown	10	97011
RC-plus next 130	black	10	97021

#### ■ Application description:

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

#### ■ Building information:

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

#### ■ Illumination:

Four separate lighting groups

#### ■ Products shown:

4 each LUXOMAT® RC-plus next 130

#### ■ RC-plus next device settings:

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

#### ■ Connected circuit:

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

#### ■ Alternatives:

Typical example no. 5:

Staircase with LUXOMAT® PD3N motion detectors

Typical example no. 6:

Staircase with LUXOMAT® PD2 occupancy detectors

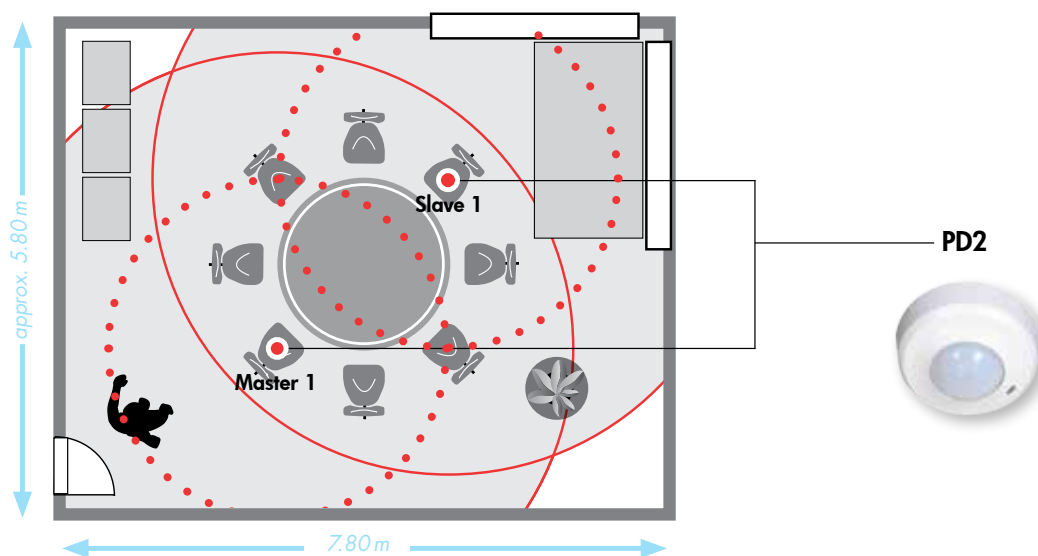
Typical example no. 7:

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

Typical example no. 8:

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





- Group 1      ● ● ● Seated detection area  
 — Walking across detection area

Description	Colour	Page	Part number
PD2-M-2C-SM	white	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155
PD2-S-SM	white	82	92152
PD2-S-FC	white	82	92166
PD2-S-FM	white	82	92156

#### ■ Application description:

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

#### ■ Building information:

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

#### ■ Illumination:

One lighting group with electronic ballast

#### ■ Products shown:

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

#### ■ Device settings:

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

#### ■ Connected circuit:

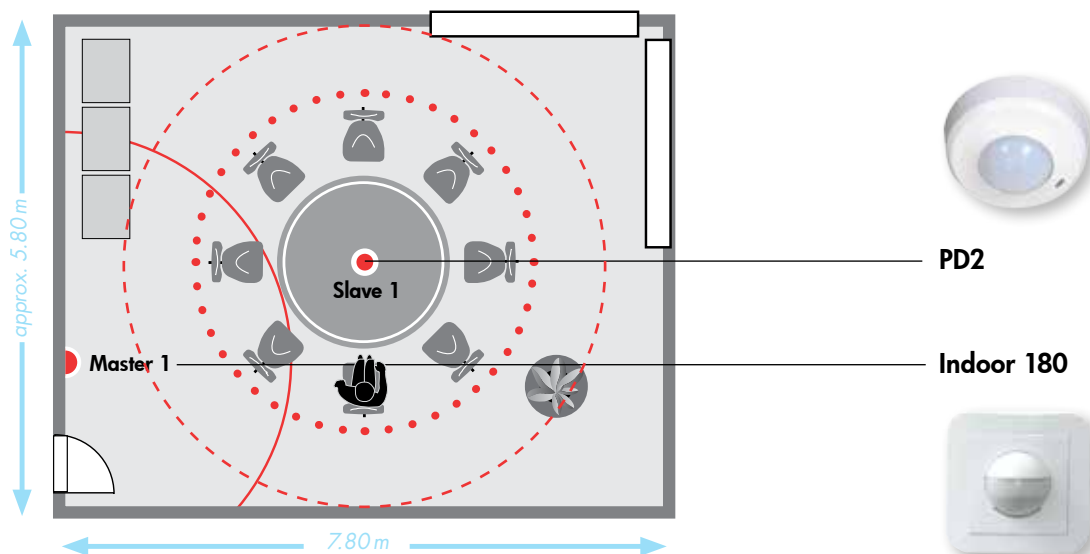
Master/Slave switching with optional push button operation.  
 The Master unit must always be mounted at the point with the least proportion of daylight.

#### ■ Alternatives:

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







## Group 1

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

Description	Colour	Page	Part number
Sensor insert for Indoor 180-M-2C-FM	—	111	92661
Indoor 180-M-2C, fully fitted	pure white, RAL9010	111	92136
PD2-S-SM	white	82	92152
PD2-S-FC	white	82	92166
PD2-S-FM	white	82	92156

### Application description:

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

### Building information:

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

### Illumination:

One lighting group with electronic ballast

### Products shown:

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

### Indoor 180-Master device settings:

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

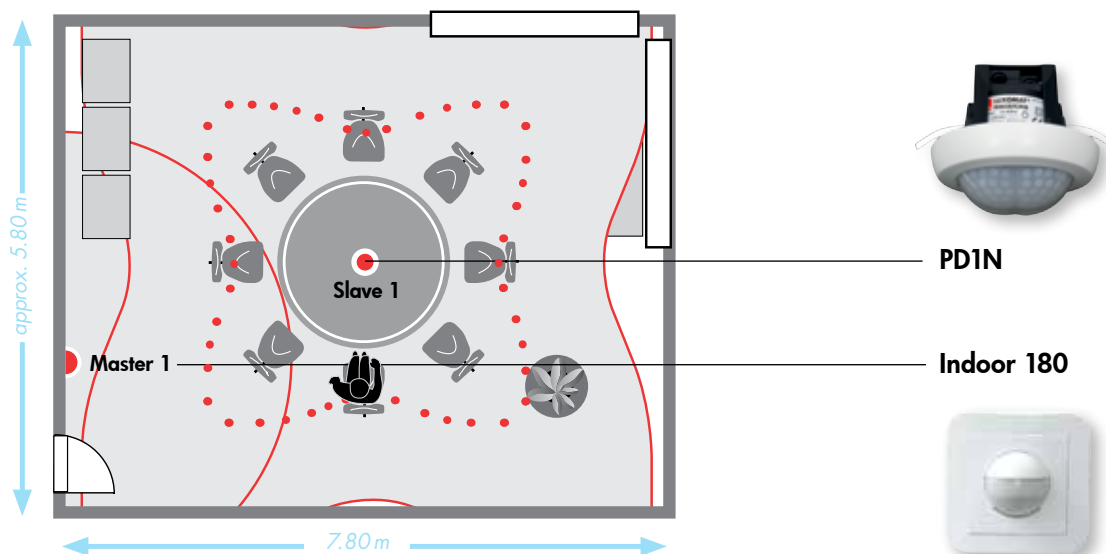
### Connected circuit:

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

### Alternatives:

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





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

Description	Colour	Page	Part number
Sensor insert for Indoor 180-M-2C-FM	–	111	92661
Indoor 180-M-2C, fully fitted	pure white, RAL9010	111	92136
PD1N-S-SM	white	81	92878
PD1N-S-FC	white	81	92875
PD1N-S-FM	white	81	92872

## Application description:

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

## Building information:

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

## Illumination:

One lighting group with electronic ballast

## Products shown:

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

## Indoor 180-Master device settings:

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

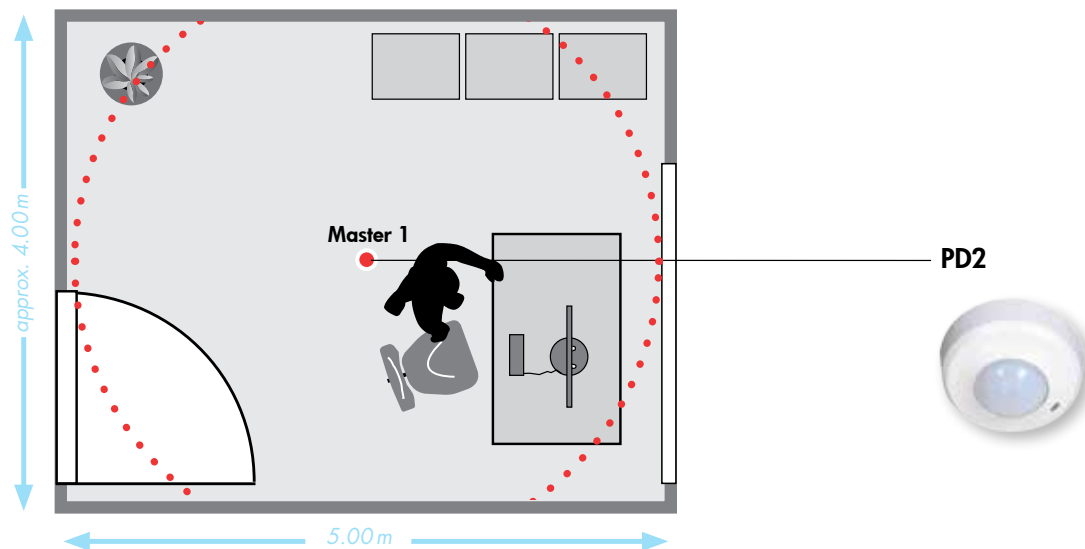
## Connected circuit:

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

## Alternatives:

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





● Group 1      . . . Seated detection area

Description	Colour	Page	Part number
PD2-M-2C-SM	white	54	92150
PD2-M-2C-FC	white	54	92165
PD2-M-2C-FM	white	54	92155

#### ■ Application description:

In an individual office, the lighting is to be controlled dependent on presence and daylight. Even with the automatic control, it should be possible to manually influence the current switching status via a button or remote control. The motion detectors are to be mounted on the ceiling.

#### ■ Building information:

Type: individual office with daylight  
Dimensions: 4.00 x 5.00 m

#### ■ Illumination:

One lighting group with electronic ballast

#### ■ Products shown:

1 each LUXOMAT® PD2-Master

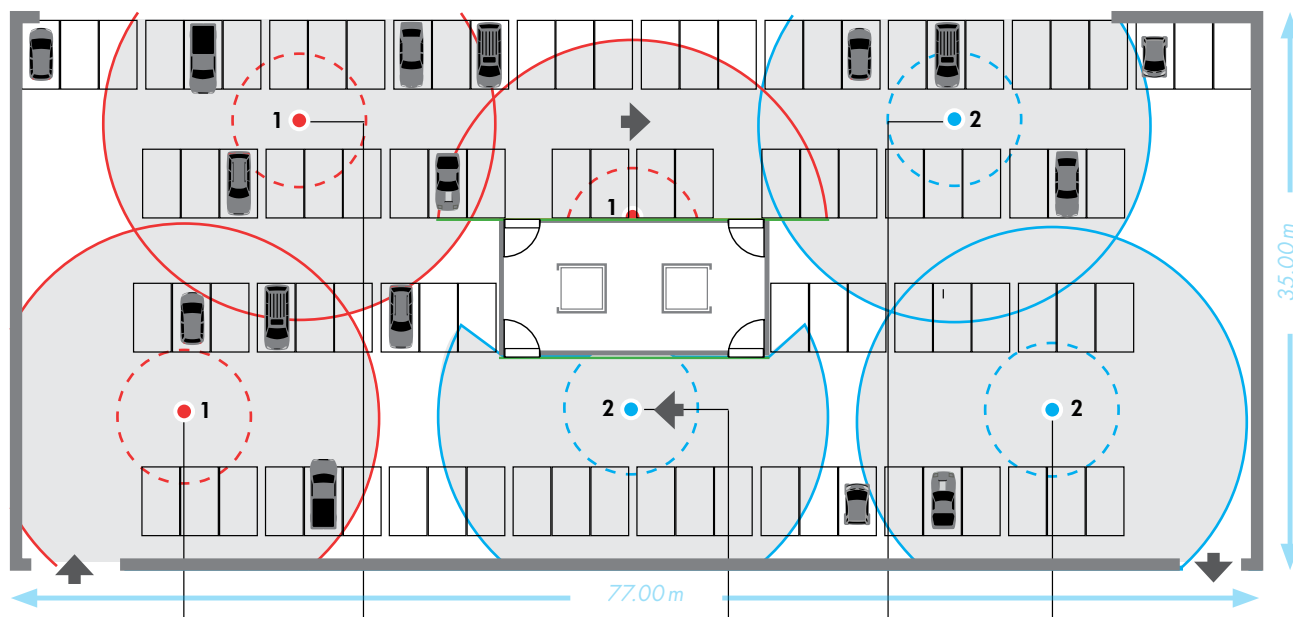
#### ■ Device settings:

Switch-off delay time R1: 10 min.  
Brightness switching value R1: 300 Lux or individual using remote control  
Switch-off delay time R2: optional

#### ■ Connected circuit:

Master operation with optional button operated control





● Group 1

● Group 2

- - - Walking towards detection area

— Walking across detection area

PD4N-1C



Description	Colour	Page	Part number
PD4N-1C-SM	white	26	92144
PD4N-1C-FC	white	26	92149
PD4N-1C-FM	white	26	92151

#### ■ Application description:

In the underground car park, the best possible surveillance of the entrance area to the garage and the main transit area should be achieved with as few motion detectors as possible. Blind spots in certain partial areas of the garage are to be bridged with adapted switch-off delay timing. The lighting is to be divided into two separate lighting groups (gate and wall sides). The motion detectors are to be mounted exclusively on the ceiling.

#### ■ Building information:

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

#### ■ Illumination:

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

#### ■ Products shown:

6 each LUXOMAT® PD4N-1C

#### ■ Device settings:

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

#### ■ Connected circuit:

Parallel circuit per lighting group

#### ■ Note:

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

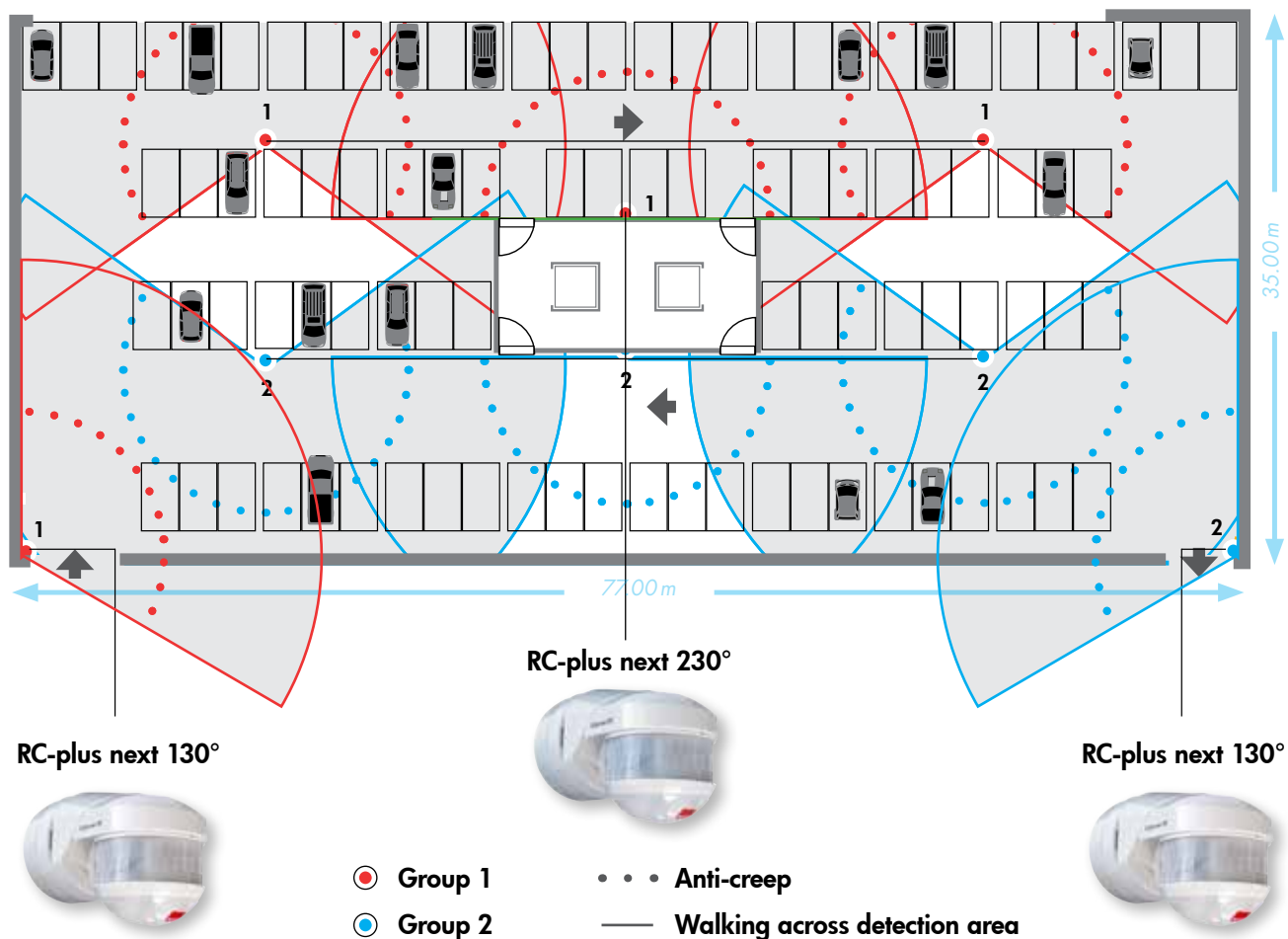
#### ■ Alternatives:

Typical example no. 15:

Underground car park with LUXOMAT® RC-plus next motion detector







Description	Colour	Page	Part number
RC-plus next 130	white	10	97001
RC-plus next 130	brown	10	97011
RC-plus next 130	black	10	97021
RC-plus next 230	white	11	97002
RC-plus next 230	brown	11	97012
RC-plus next 230	black	11	97022
RC-plus next 230	silver	11	97042

#### ■ Application description:

In the underground car park, the best possible surveillance of the entrance area to the garage and the main transit area should be achieved with as few motion detectors as possible. Blind spots in certain partial areas of the garage are to be bridged with adapted switch-off delay timing. The lighting is to be divided into two separate lighting groups (gate and wall sides). The motion detectors are to be mounted on the wall or on the ceiling.

#### ■ Building information:

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

#### ■ Illumination:

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

#### ■ Products shown:

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

#### ■ Device settings:

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

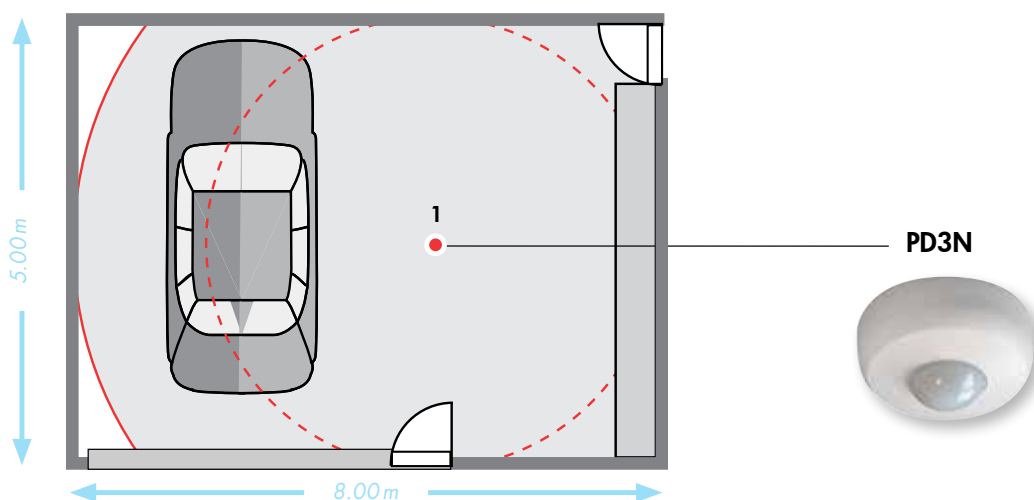
#### ■ Connected circuit:

Parallel circuit per lighting group

#### ■ Note:

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





● Group 1

--- Walking towards detection area

— Walking across detection area

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

■ **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-SM/FC/FM

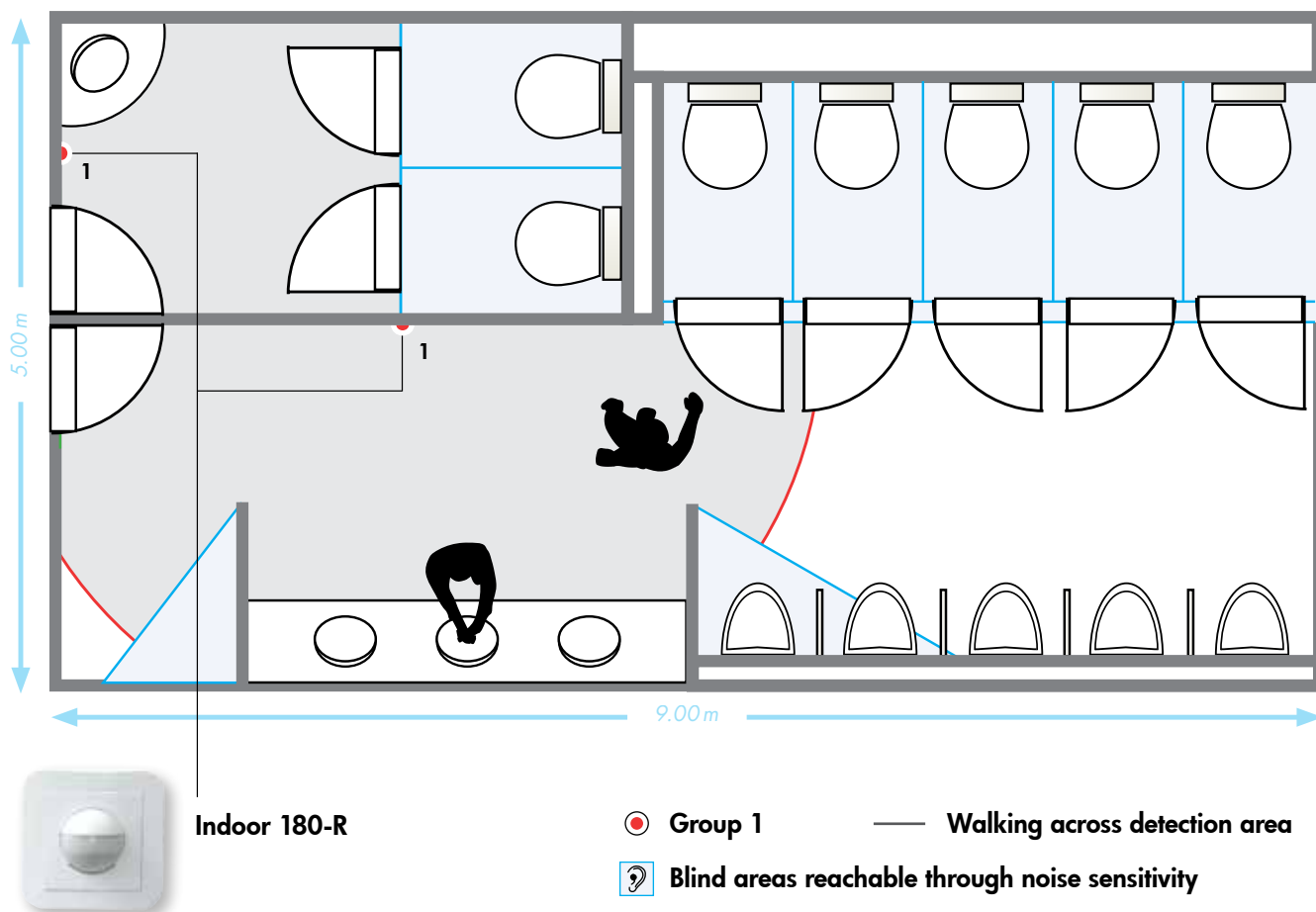
■ **Device settings:**

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

■ **Connected circuit:**

Standard operation





Description	Colour	Page	Part number
Sensor insert for Indoor 180-R-FM	–	107	92665
Indoor 180-R, fully fitted	pure white, RAL9010	107	92623

#### ■ Application description:

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

#### ■ Note:

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

#### ■ Building information:

Type: public toilet without daylight  
Room height: 2.70 m

#### ■ Illumination:

One lighting group with electronic ballast per room

#### ■ Products shown:

2 each LUXOMAT® Indoor 180-R

#### ■ Device settings:

Switch-off delay time: 10 min.

Brightness: day/night ("sun" symbol)

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

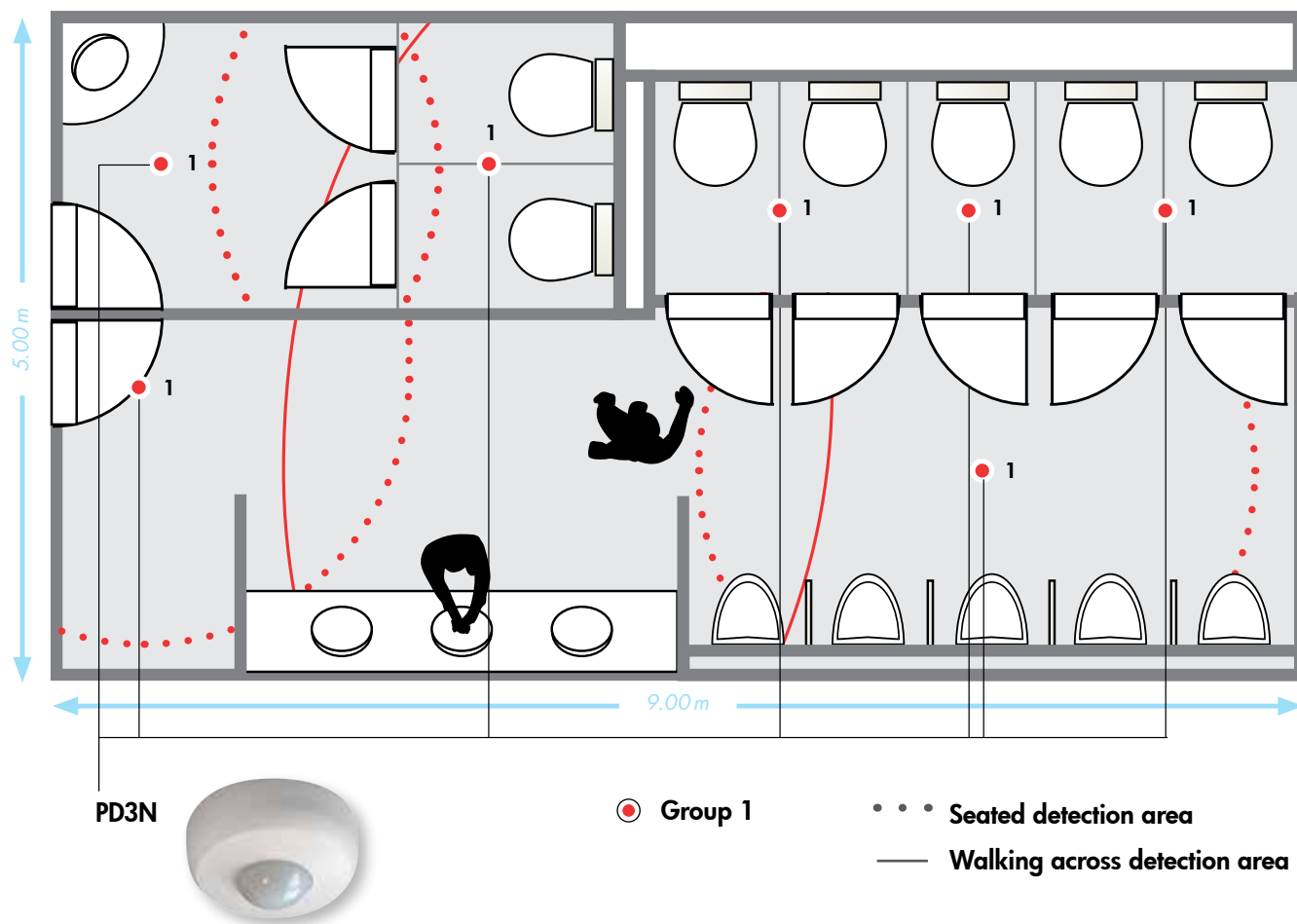
#### ■ Connected circuit:

Standard operation with noise sensitivity

#### ■ Alternatives:

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





Description	Colour	Page	Part number
PD3N-1C-SM	white	24	92190
PD3N-1C-FC	white	24	92196
PD3N-1C-FM	white	24	92186
PD3N-1C-SM Acoustic	white	25	92219
PD3N-1C-FC Acoustic	white	25	92184

#### ■ Application description:

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

#### ■ Building information:

Type: public toilet without daylight  
Room height: 2.70 m

#### ■ Illumination:

One lighting group with electronic ballast per room

#### ■ Products shown:

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

#### ■ Device settings:

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

#### ■ Connected circuit:

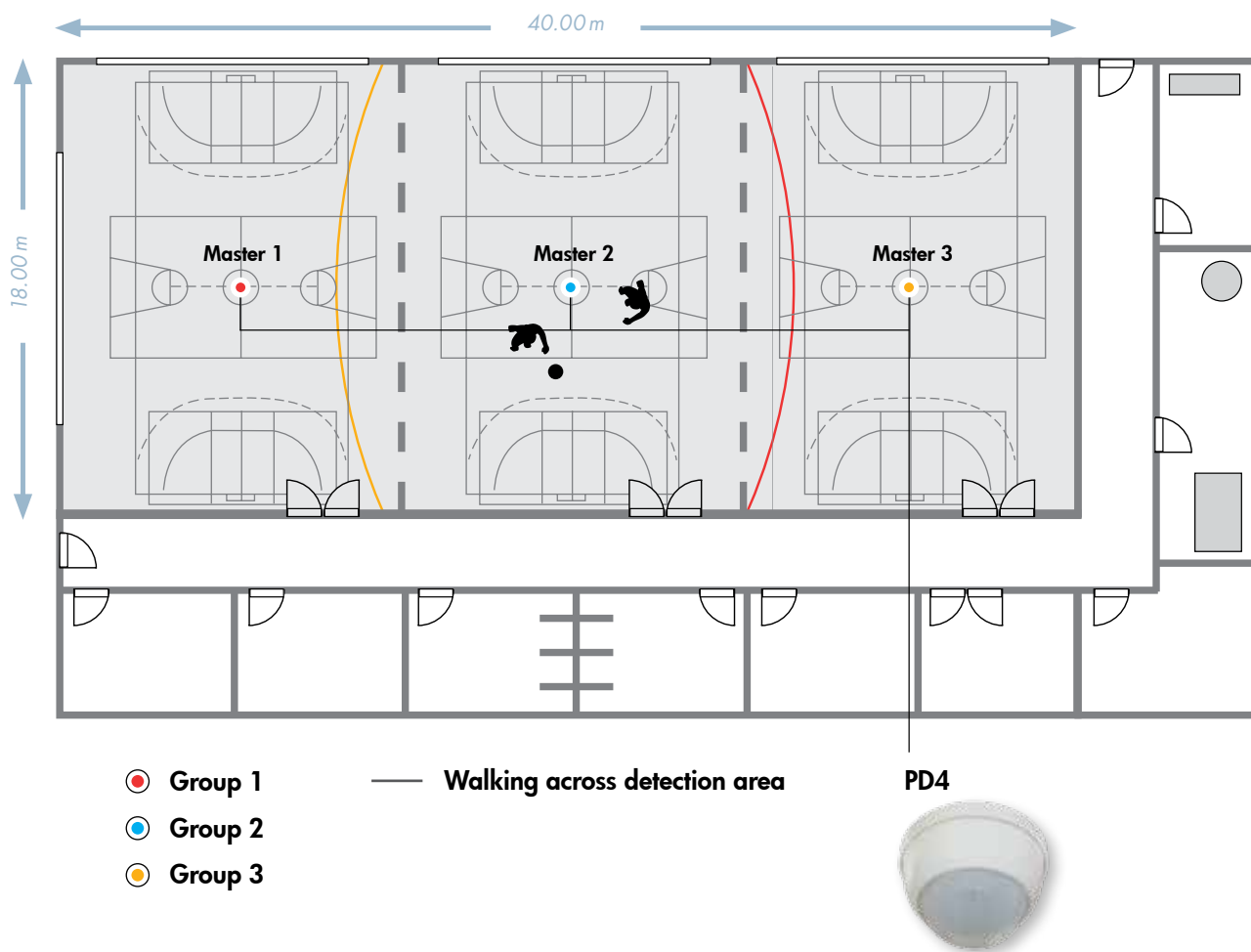
Parallel operation per room

#### ■ Alternatives:

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







Description	Colour	Page	Part number
PD4-M-2C-SM	white	55	92140
PD4-M-2C-FC	white	55	92148
PD4-M-2C-FM	white	55	92255

#### ■ Application description:

Automatic lighting control with motion detectors is to be implemented in a triple gymnasium. One lighting group per hall area is to be formed and switched individually.

Even with the automatic control, it should be possible to manually influence the current switching status via both a button and using a remote control.

#### ■ Building information:

Type: gymnasium with daylight

Dimensions: L 40.00 x W 18.00 m

Room height: 8.00 to 10.00 m (in light)

#### ■ Illumination:

One lighting group with electronic ballast per hall section

#### ■ Products shown:

3 each LUXOMAT® PD4-Master

#### ■ Device settings:

Switch-off delay time R1: > 5 min.

Brightness switching value: 500 Lux or individual using remote control

Switch-off delay time R2: optional

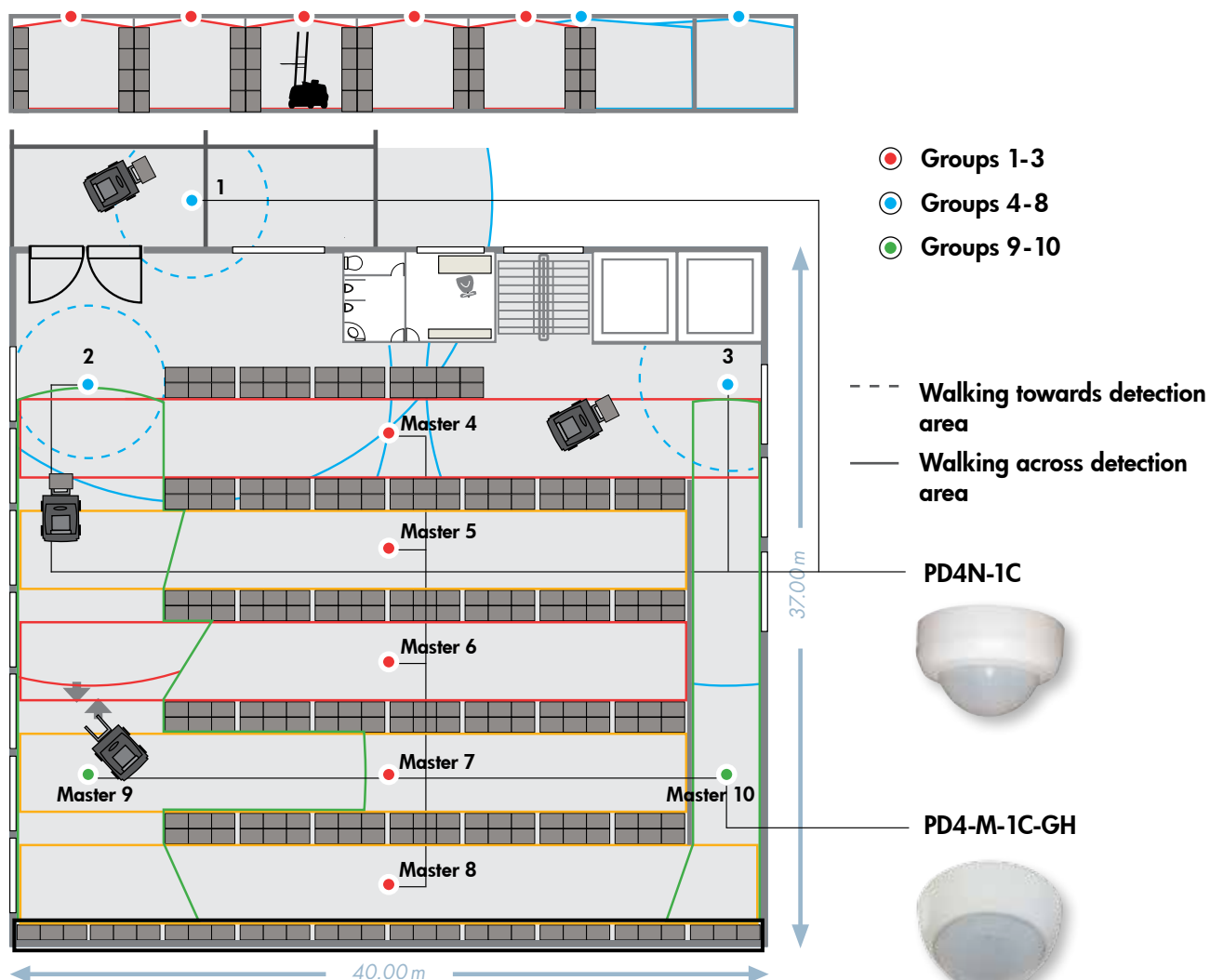
#### ■ Connected circuit:

Master operation for all three lighting groups;

Master/Slave operation is likewise possible.

The Master unit must always be mounted at the point with the least proportion of daylight.





Description	Colour	Page	Part number
PD4N-1C-SM	white	26	92144
PD4N-1C-FC	white	26	92149
PD4N-1C-FM	white	26	92151
PD4-M-1C-GH-SM	white	46	92245

#### Application description:

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

#### Building information:

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

#### Illumination:

Ten lighting groups with electronic ballast

#### Products shown:

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

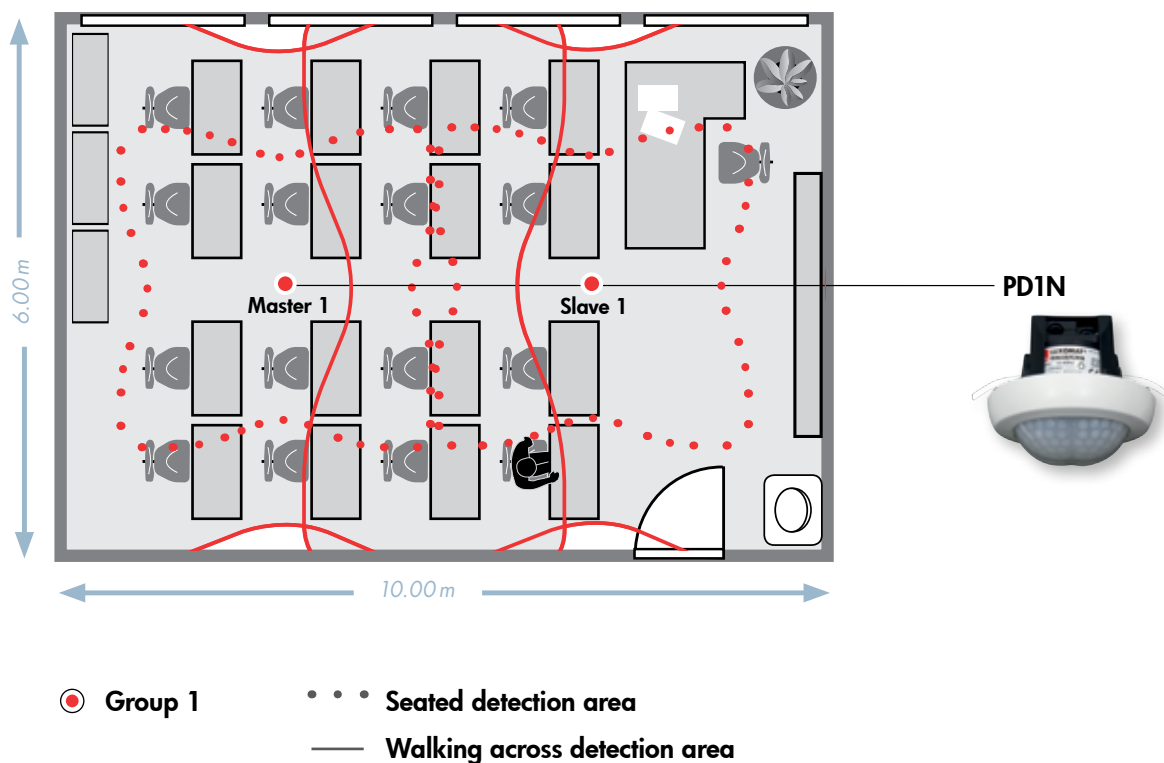
#### Device settings:

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

#### Connected circuit:

Master operation for all lighting groups





Description	Colour	Page	Part number
PD1N-M-2C-SM	white	53	92877
PD1N-M-2C-FC	white	53	92874
PD1N-M-2C-FM	white	53	92870
PD1N-S-SM	white	81	92878
PD1N-S-FC	white	81	92875
PD1N-S-FM	white	81	92872

#### ■ Application description:

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

#### ■ Building information:

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

#### ■ Illumination:

One lighting group with electronic ballast

#### ■ Products shown:

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

#### ■ PD1N-Master device settings:

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

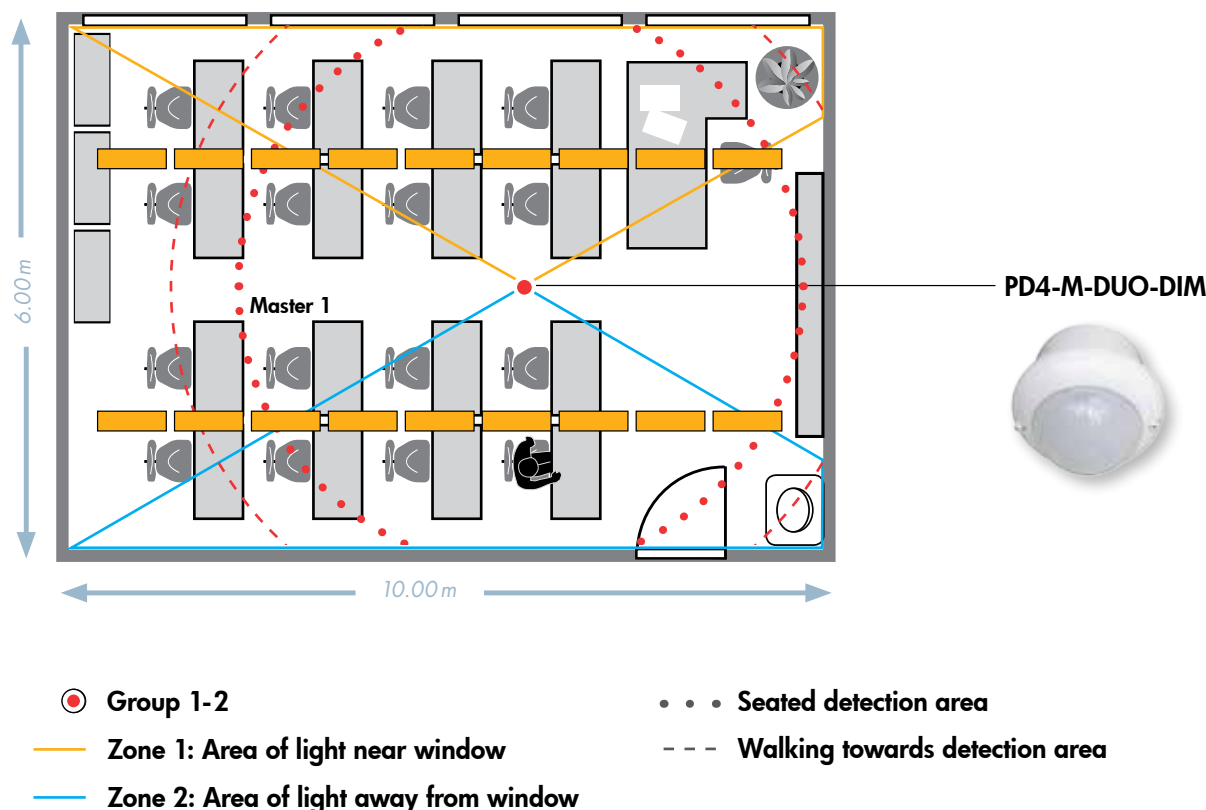
#### ■ Connected circuit:

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

#### ■ Note:

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





Description	Colour	Page	Part number
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	69	92271
PD4-M-DUO-DIM-FC	white	69	92272
PD4-M-DUO-DIM-FM	white	69	92273

## Application description:

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

## Building information:

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

## Illumination:

Two lighting groups with electronic ballast

## Products shown:

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

## Device settings:

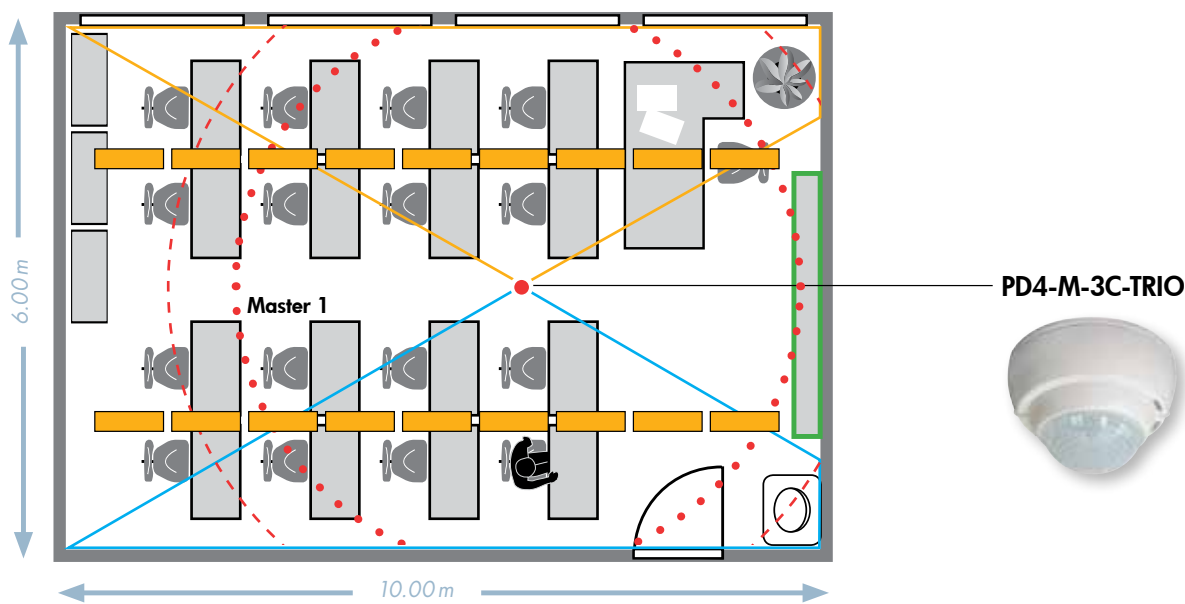
Switch-off delay time R1: > 5 min.  
Brightness switching value R1: 300 Lux or individual using remote control  
Switch-off delay time R2: optional

## Connected circuit:

Standard operation







● 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

Description	Colour	Page	Part number
PD4-M-3C-TRIO-FC	white	59	92745
PD4-M-3C-TRIO-SM	white	59	92740
PD4-M-TRIO-DIM-FC	white	70	92735
PD4-M-TRIO-DIM-SM	white	70	92730

#### ■ Application description:

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

#### ■ Building information:

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

#### ■ Illumination:

Two lighting groups with electronic ballast  
Board lighting

#### ■ Products shown:

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

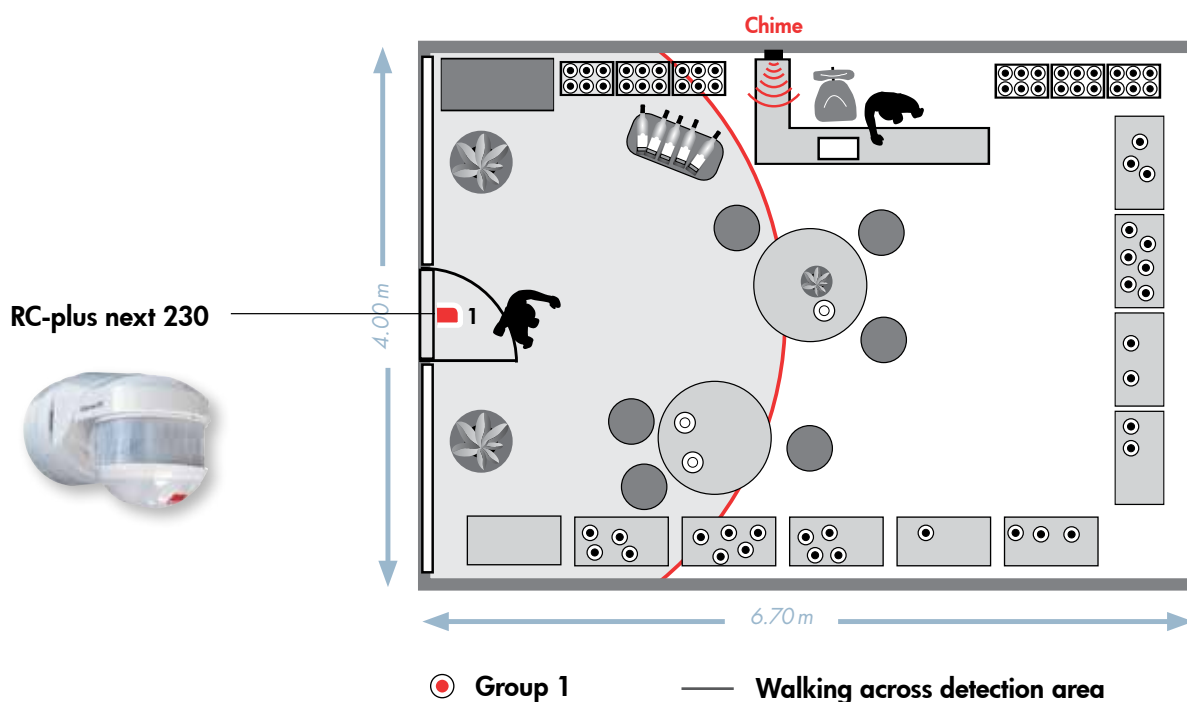
#### ■ Device settings:

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

#### ■ Connected circuit:

Standard operation





Description	Colour	Page	Part number
RC-plus next 230	white	11	97002
RC-plus next 230	brown	11	97012
RC-plus next 230	black	11	97022
RC-plus next 230	silver	11	97042

#### ■ Application description:

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

#### ■ Building information:

Type: shop with daylight  
Room height: 2.70 m

#### ■ Products shown:

1 LUXOMAT® RC-plus next 230

#### ■ Illumination:

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

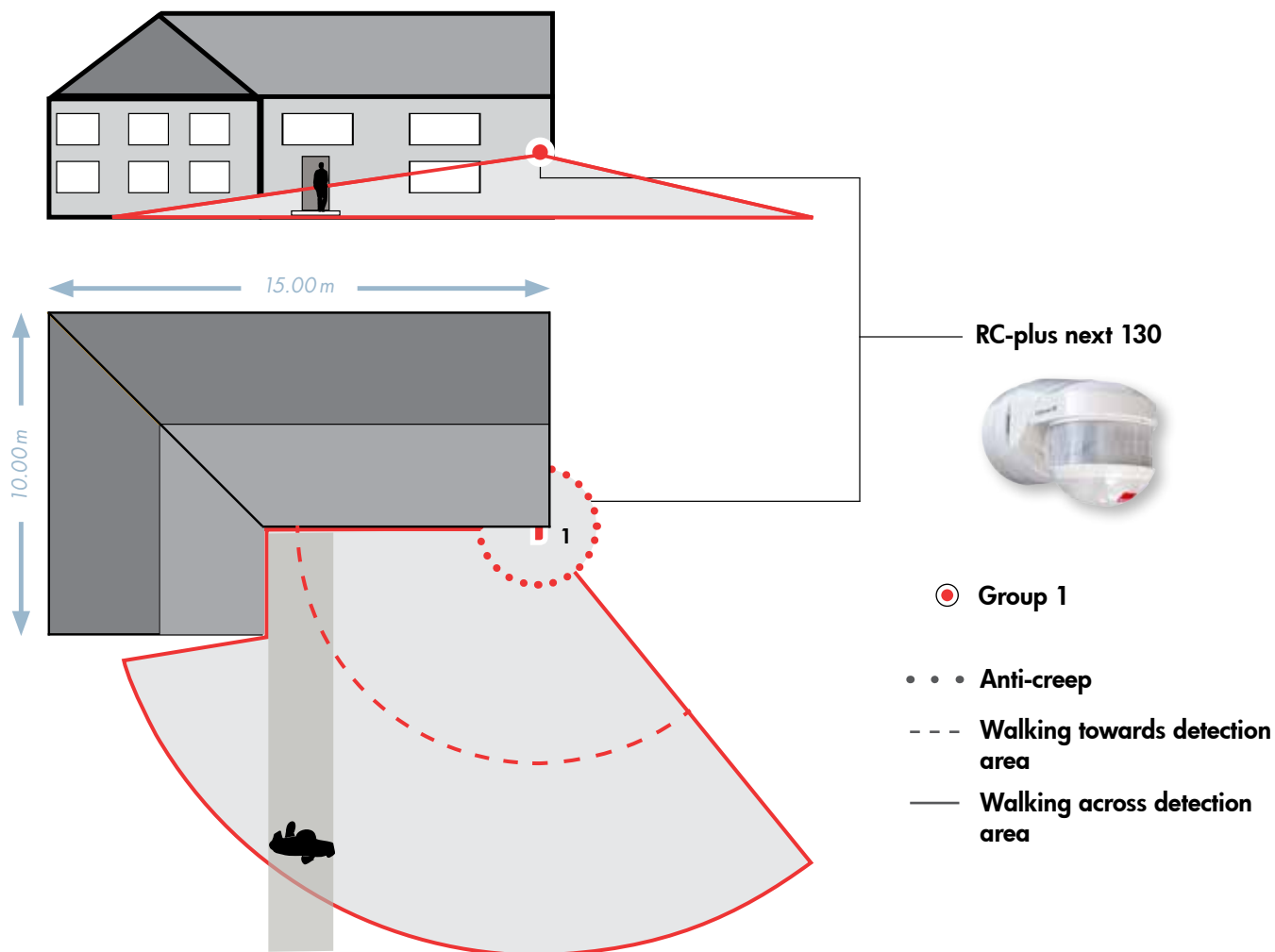
#### ■ Device settings:

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

#### ■ Connected circuit:

Standard operation with chime connected





Description	Colour	Page	Part number
RC-plus next 130	white	10	97001
RC-plus next 130	brown	10	97011
RC-plus next 130	black	10	97021

#### ■ Application description:

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

#### ■ Building information:

Type: house entrance with daylight  
Mounting height: 2.50 to 3.00 m

#### ■ Illumination:

One light group

#### ■ Products shown:

1 LUXOMAT® RC-plus next 130

#### ■ Device settings:

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

#### ■ Connected circuit:

Standard operation

#### ■ Note:

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






























Part no.	Description	Prod. Gr.	Page	Part no.	Description	Prod. Gr.	Page
10880	RC-Arc extinction kit	6	20	92142	PD4-S-SM	13	83
10882	Mini-RC-Arc extinction kit	6	20	92143	PD4-M-2C-C-FC	13	56
32697	Blinds for RC-plus next	6	20	92144	PD4N-1C-SM	13	26
32698	Blinds for LC-plus 280	6	20	92147	PD4-M-DIM-SM	13	62
32699	Blinds for LC-Click-N	6	20	92148	PD4-M-2C-FC	13	55
32701	Blinds for PD4-FC/-FM	6	36	92149	PD4N-1C-FC	13	26
32702	Blinds for PD9	6	36	92150	PD2-M-2C-SM	13	54
33207	Blinds for PD9-GH - white	6	36	92151	PD4N-1C-FM	13	26
33232	Blinds for LC-Mini	6	20	92152	PD2-S-SM	13	82
33233	Blinds for Indoor 180	6	104	92153	PD2-M-DIM-SM	13	61
90162	IR-SMARTHOME	9	124	92154	PD2-M-2C-11-48V-3A-SM	13	90
91001	LC-Click-N 140 - white	1	16	92155	PD2-M-2C-FM	13	54
91002	LC-Click-N 200 - white	1	17	92156	PD2-S-FM	13	82
91008	LC-plus 280 - white	1	15	92157	PD2-M-DIM-FM	13	61
91011	LC-Click-N 140 - brown	1	16	92158	PD4-M-2C-DUO-SM	13	58
91012	LC-Click-N 200 - brown	1	17	92159	IR-PD-Mini	9	126
91018	LC-plus 280 - brown	1	15	92160	IR-PD	9	125
91021	LC-Click-N 140 - black	1	16	92161	Socket IP54 for PD2-SM, PD4-GH	6	43
91022	LC-Click-N 200 - black	1	17	92163	PD4-S-FM	13	83
91028	LC-plus 280 - black	1	15	92164	PD2-M-2C-11-48V-3A-FC	13	90
91048	LC-plus 280 - silver	1	15	92165	PD2-M-2C-FC	13	54
91051	LC-Mini 120 - white	1	18	92166	PD2-S-FC	13	82
91052	LC-Mini 180 - white	1	19	92167	PD2-M-DIM-FC	13	61
91071	LC-Mini 120 - black	1	18	92184	PD3N-1C-FC Micro	13	25
91072	LC-Mini 180 - black	1	19	92186	PD3N-1C-FM	13	24
92000	IR-RC	9	118	92188	PD3N-2C-FM	13	31
92040	IR-PD4-SP	9	130	92189	Repeater ZW	17	14
92066	RC-plus next 230 ZW	17	14	92190	PD3N-1C-SM	13	24
92067	PD3N-FM-ZW	25	32	92196	PD3N-1C-FC	13	24
92071	PD3N-FC-ZW	25	32	92198	PD3N-2C-FC	13	31
92072	PD3N-SM-ZW	25	32	92199	Wire basket BSK	6	24
92090	IR-RC-Mini	9	119	92200	IR-PDdim	9	134
92092	IR-PD-DUO	9	133	92201	IR-PD9	9	131
92093	IR-LC-Mini	9	121	92206	FC-Covering IP23	6	82
92094	IR-PD-DALI	9	138	92215	IR-PD4-GH	9	129
92095	IR-LC-plus	9	120	92217	PD4-M-DIM-C-FC	13	63
92097	IR-PD4-TRIO	9	136	92218	PD4-M-DIM-C-SM	13	63
92098	IR-PD-DIM-Mini	9	135	92219	PD3N-1C-SM Micro	13	25
92102	IR-PD4-TRIO SWI	9	132	92235	Cover ring for PD9 - anthracite	6	29
92104	IR-PD4-TRIO-DALI	9	139	92237	Cover ring for PD9 - silver	6	29
92105	IR-PD3N	9	122	92238	Cover ring for PD9 - white	6	29
92114	IR-PD-DIM-HKL	9	137	92245	PD4-M-1C-GH-SM	13	46
92115	IR-PD3N-2C	9	123	92247	PD4-M-DIM-FC	13	62
92116	IR-PD-DALI-1C	9	140	92248	PD4-M-DIM-FM	13	62
92121	Lower cabinet for PD1N-FM	6	53	92251	PD4-M-2C-DUO-FC	13	58
92135	Indoor 180-S	13	112	92252	PD4-M-2C-DUO-FM	13	58
92136	Indoor 180-M-2C	13	111	92254	PD4-S-FC	13	83
92139	Covering IP54, pure white	9	107	92255	PD4-M-2C-FM	13	55
92140	PD4-M-2C-SM	13	55	92258	PD2-M-DALI/DSI-FC	24	71
92141	SM-Socket for Indoor 180	6	107	92260	Blinds	6	36



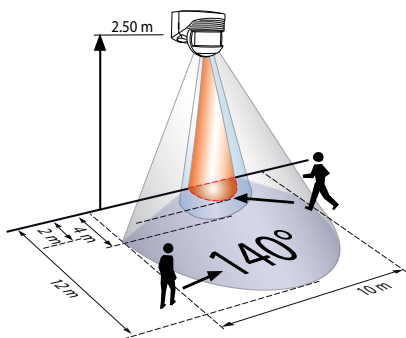
Part no.	Description	Prod. Gr.	Page	Part no.	Description	Prod. Gr.	Page
92265	PD4-S-GH-SM	13	85	92520	IR-PD-1C	9	127
92270	PD4N-1C-C-SM	13	27	92530	PD4-M-DALI/DSI-C-SM	24	74
92271	PD4-M-DUO-DIM-SM	13	69	92550	PD2-M-1C-SM	13	43
92272	PD4-M-DUO-DIM-FC	13	69	92555	PD2-M-1C-FM	13	43
92273	PD4-M-DUO-DIM-FM	13	69	92565	PD2-M-1C-FC	13	43
92274	PD4N-1C-C-FC	13	27	92568	PD11-KNX-FLAT-FC	18	99
92275	PD4-M-DALI/DSI-FC	24	72	92575	PD4-M-1C-FM	13	44
92276	PD4-M-DUO-DALI/DSI-FC	24	76	92580	PD4-M-1C-SM	13	44
92279	PD4-M-DALI/DSI-SM	24	72	92585	PD4-M-1C-FC	13	44
92280	PD2-M-DALI/DSI-SM	24	71	92586	PD4-M-1C-C-FC	13	45
92300	PD2-LON-SM	13	100	92587	PD4-M-1C-C-SM	13	45
92301	PD2-LON-FC	13	100	92610	Indoor 180-R (UK version)	13	107
92305	PD2-M-2C-11-48V-RR-SM	13	90	92615	Indoor 180-R/2W-UK (UK version)	13	108
92306	PD2-M-2C-11-48V-RR-FC	13	90	92616	Indoor 180-R-2D	13	108
92310	PD5-M-DIM-Clip	13	64	92622	Indoor 180-T (EU version)	13	107
92315	PD5-M-1C-Clip	13	47	92623	Indoor 180-R (EU version)	13	107
92316	PD5-S-Clip	13	86	92630	Covering IP20, pure white	6	107
92328	PD4-M-DALI/DSI-C-FC	24	73	92631	Covering IP20, traffic white	6	107
92332	RC-LLW	9	141	92632	Covering IP20, cream white	6	107
92375	SM-Socket IP65 for PD4-SM (IP20)	6	44	92633	Covering IP20, silver	6	107
92376	SM-Socket IP65 for PD4-SM (IP54)	6	55	92634	Covering IP20, anthracite	6	107
92386	SM-Socket for PD4-TRIO	6	59	92650	Indoor 180-SC	13	109
92430	PD2-DIM-KNX/EIB-SM	18	93	92655	SCT1	36	110
92431	PD2-DIM-KNX/EIB-FC	18	93	92660	Sensor insert for Indoor 180-S-FM (Slave)	13	112
92432	PD2-DIM-KNX/EIB-FM	18	93	92661	Sensor insert for Indoor 180-M-2C-FM (Master)	13	111
92433	PD4-DIM-KNX/EIB-SM	18	94	92663	Sensor insert for Indoor 180-LON-FM	13	115
92434	PD4-DIM-KNX/EIB-FC	18	94	92664	Sensor insert for Indoor 180-T-FM	13	107
92435	PD4-DIM-KNX/EIB-FM	18	94	92665	Sensor insert for Indoor 180-R-FM	13	107
92436	Sensor insert for Indoor 180-DIM-KNX/EIB	18	114	92666	Sensor insert for Indoor 180-R-11-48V-3A-FM	13	113
92437	PD9-DIM-KNX/EIB-FC - white	18	97	92667	Sensor insert for Indoor 180-R-11-48V-RR-FM	13	113
92438	PD9-DIM-KNX/EIB-GH-FC - white	18	98	92668	Sensor insert for Indoor 180-SC-FM	13	109
92440	PD4-M-2C-C-SM	13	56	92700	PICO-S-FC	13	89
92441	Wall bracket for PD4-C-SM	6	27	92712	PICO-M-1C-FC	13	52
92442	PD4-S-C-SM	13	85	92730	PD4-M-TRIO-DIM-SM	13	70
92443	PD4-M-2C-C-FM	13	56	92735	PD4-M-TRIO-DIM-FC	13	70
92444	PD4-S-C-FC	13	85	92740	PD4-M-3C-TRIO-SM	13	59
92445	PD4-S-C-FM	13	85	92745	PD4-M-3C-TRIO-FC	13	59
92454	PD4-DIM-KNX/EIB-GH	18	95	92750	PD4-M-TRIO-DALI-SM	24	77
92456	PD4-DIM-KNX/EIB-C-FC	18	96	92751	PD4-M-TRIO-2DALI/DSI-1C-SM	24	80
92459	PD4-DIM-KNX/EIB-C-FM	18	96	92755	PD4-M-TRIO-DALI-FC	24	77
92461	PD4-DIM-KNX/EIB-C-SM	18	95	92756	PD4-M-TRIO-2DALI/DSI-1C-FC	24	80
92467	Wire basket BSK	6	10	92805	A-FM-ZW	17	14
92475	IR-PD-2C	9	128	92807	A-SM-ZW	17	14
92480	PD4-M-1C-C-PS-FC	13	45	92817	A-ST-ZW	17	14
92485	PD4-M-1C-C-PS-SM	13	45	92870	PD1N-M-2C-FM	13	53
92486	PD2-M-DALI/DSI-1C-FC	24	79				
92488	PD4-M-DALI/DSI-1C-FC	24	80				
92507	PD4-M-DIM-HVAC-FC	13	69				
92508	PD1N-KNX-FC	18	92				

Part no.	Description	Prod. Gr.	Page
92872	PD1N-S-FM	13	81
92873	PD1N-M-DIM-FM	13	60
92874	PD1N-M-2C-FC	13	53
92875	PD1N-S-FC	13	81
92876	PD1N-M-DIM-FC	13	60
92877	PD1N-M-2C-SM	13	53
92878	PD1N-S-SM	13	81
92879	PD1N-M-DIM-SM	13	60
92900	PD9-M-1C-FC - white	13	48
92901	PD9-M-1C-FC - silver	13	48
92902	PD9-1C-FC - white	13	29
92903	PD9-1C-FC - silver	13	29
92905	PD9-S-FC - white	13	87
92906	PD9-S-FC - silver	13	87
92910	PD9-M-DIM-FC - white	13	65
92911	PD9-M-DIM-FC - silver	13	65
92912	PD9-M-1C-SDB-IP65-FC - white	13	50
92913	PD9-M-1C-SDB-IP65-FC - silver	13	50
92915	PD9-S-SDB-FC - white	13	50
92917	PD9-DIGI-FC	13	28
92920	PD9-M-DALI/DSI-FC - white	13	74
92923	PD9-M-1C-GH-FC - white	13	49
92924	PD9-M-DIM-GH-FC - white	13	66
92925	PD9-M-1C-GH-FC - silver	13	49
92927	PD9-M-DIM-GH-FC - silver	13	66
92928	PD9-S-GH-FC - white	13	88
92929	PD9-S-GH-FC - silver	13	88
92930	PD9-LON-FC - white	13	101
92931	PD9-M-1C-SDB-IP65-GH-FC - white	13	51
92932	PD9-M-1C-SDB-IP65-GH-FC - silver	13	51

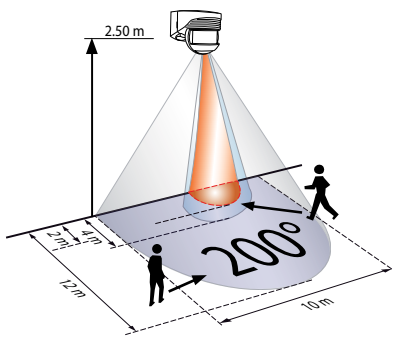
Part no.	Description	Prod. Gr.	Page
92933	PD9-S-SDB-GH-FC - white	13	51
92934	PD9-1C-GH-FC - white	13	30
92935	PD9-1C-GH-FC - silver	13	30
92938	PD9-M-DALI/DSI-GH-FC - white	24	75
92973	PD9-M-DIM-HVAC	13	67
92976	PD9-M-1C+HVAC	13	57
92985	PD9-1C-12-48V-FC	13	91
94401	HF-MD1	27	33
94402	HF-MD2-SM	27	34
94417	HF-MD1 ESL	27	33
94431	HF-H-MD1 Standard	27	35
97001	RC-plus next 130 - white	1	10
97002	RC-plus next 230 - white	1	11
97003	RC-plus next 280 - white	1	12
97004	Mounting bracket RC-plus next - white	6	10
97011	RC-plus next 130 - brown	1	10
97012	RC-plus next 230 - brown	1	11
97013	RC-plus next 280 - brown	1	12
97014	Mounting bracket RC-plus next - brown	6	10
97021	RC-plus next 130 - black	1	10
97022	RC-plus next 230 - black	1	11
97023	RC-plus next 280 - black	1	12
97024	Mounting bracket RC-plus next - black	6	10
97042	RC-plus next 230 - silver	1	11
97043	Mounting bracket RC-plus next - silver	6	11

	CHOOSE THE APPLICATIVE DETECTOR		FOR SWITCHING		FOR DIMMING 1-10 VDC		DALI/DSI-OUTPUT		KNX OUTPUT		SLAVES	
			DESCRIPTION	Part no.	DESCRIPTION	Part no.	DESCRIPTION	Part no.	DESCRIPTION	Part no.	DESCRIPTION	Part no.
Office ≤ 13 m <sup>2</sup>		False ceiling mount	PD2-M-1C-FC	92565	PD2-M-DIM-FC	92167	PD2-M-DALI/DSI-FC	92258	PD2-DIM-KNX/EIB-FC	92431	PD2-S-FC	92166
		Surface mount	PD2-M-1C-SM	92550	PD2-M-DIM-SM	92153	PD2-M-DALI/DSI-SM	92280	PD2-DIM-KNX/EIB-SM	92430	PD2-S-SM	92152
		False ceiling mount							PD11-KNX-FLAT	92568		
		False ceiling mount	PICO-M-1C	92712							PICO-S	92700
Open-plan office, Meeting room		False ceiling mount	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4-DIM-KNX/EIB-FC	92434	PD4-S-FC	92254
		Surface mount	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4-DIM-KNX/EIB-SM	92433	PD4-S-SM	92142
Hallway, Corridor		False ceiling mount	PD4-M-2C-C-FC	92143	PD4-M-DIM-C-FC	92217	PD4-M-DALI/DSI-C-FC	92328	PD4-DIM-KNX/EIB-C-FC	92456	PD4-S-C-FC	92444
		Surface mount	PD4-M-2C-C-SM	92440	PD4-M-DIM-C-SM	92218			PD4-DIM-KNX/EIB-C-SM	92461	PD4-S-C-SM	92442
Entrance hall		False ceiling mount	PD4-M-2C-FC	92148	PD4-M-DIM-FC	92247	PD4-M-DALI/DSI-FC	92275	PD4-DIM-KNX/EIB-FC	92434	PD4-S-FC	92254
		Surface mount	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4-DIM-KNX/EIB-SM	92433	PD4-S-SM	92142
Underground car park		Surface mount	PD4-M-2C-SM	92140	PD4-M-DIM-SM	92147	PD4-M-DALI/DSI-SM	92279	PD4-DIM-KNX/EIB-SM	92433	PD4-S-SM	92142
Individual office		False ceiling mount	PD1N-M-2C-FC	92874	PD1N-M-DIM-FC	92876	PD4-M-DALI/DSI-FC	92275	PD4-DIM-KNX/EIB-FC	92434	PD1N-S-FC	92875
		Surface mount	PD1N-M-2C-SM	92877	PD1N-M-DIM-SM	92879	PD4-M-DALI/DSI-SM	92279	PD4-DIM-KNX/EIB-SM	92433	PD1N-S-SM	92878
Bathroom		False ceiling mount	PD9-M-1C-SDB-IP65-FC	92912							PD9-S-SDB-FC	92915
Classroom		Surface mount for 2 light zones	PD4-M-2C-DUO-FC	92251	PD4-M-DUO-DIM-FC	92272	PD4-M-DUO-DALI/DSI-FC	92276			PD4-S-FC	92142
		Surface mount for 3 light zones	PD4-M-3C-TRIO-FC	92745	PD4-M-TRIO-DIM-FC	92735	PD4-M-TRIO-DALI/DSI-FC	92755			PD4-S-FC	92142
High-bay warehouse		Surface mount	PD4-M-1C-GH-SM	92245					PD4-DIM-KNX/EIB-GH-SM	92454		
Staircase		Renovation Wall switch / Stair light timer switch	Indoor 180-SC/SCT1	92650 92655								
		Flush mount	Indoor 180-R	92623					Indoor 180-DIM-KNX/EIB	92436		
		Wall mount	LC-plus 280	91008								
Toilets, Anterooms, Technical rooms		False ceiling mount	PD3N-1C-FC	92196								
		Surface mount	PD3N-1C-SM	92190								
		False ceiling mount	PD9-1C-FC	92902								
2-wire with relay		Flush mount	Indoor 180-R-2D	92616								
House entrance, Range max. 20 m		Detection area 130° + 360°	RC-plus next 130	97001								
		Detection area 230° + 360°	RC-plus next 230	97002					RC-plus next 230 (KNX/EIB)	97052		
		Detection area 280° + 360°	RC-plus next 280	97003								
House entrance, Range max. 16 m		Detection area 280° + 360°	LC-plus 280	91008								
House entrance, Range max. 12 m		Detection area 140° + 180°	LC-Click-N 140	91001								
		Detection area 200° + 180°	LC-Click-N 200	91002								

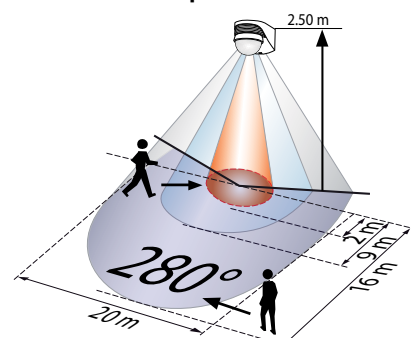
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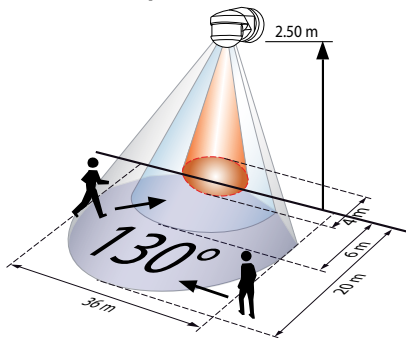
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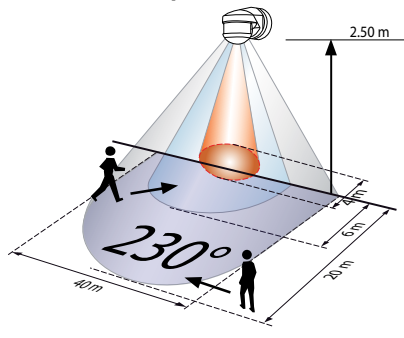
LC-plus 280



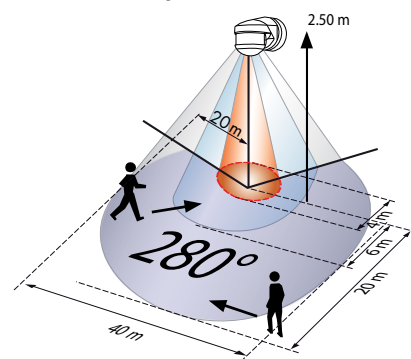
RC-plus next 130



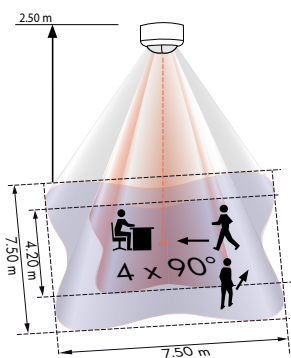
RC-plus next 230



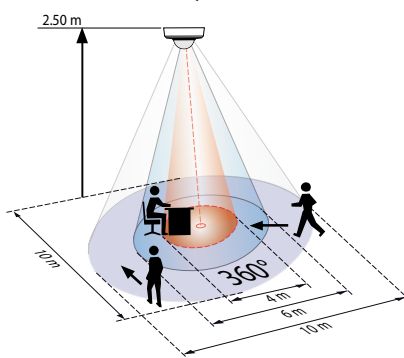
RC-plus next 280



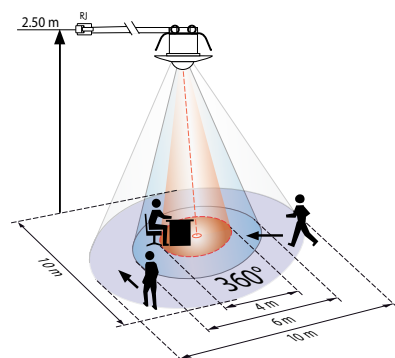
PD1N



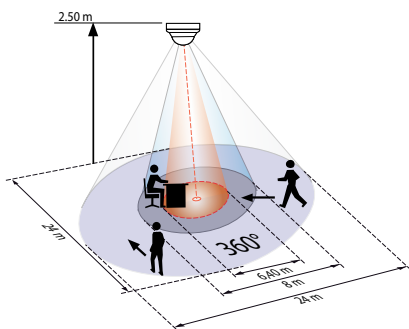
PD2/PD3N



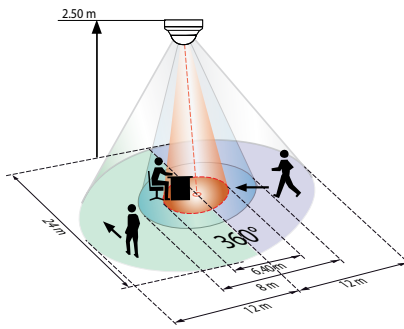
PD9



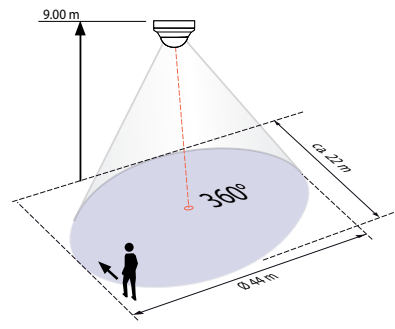
PD4



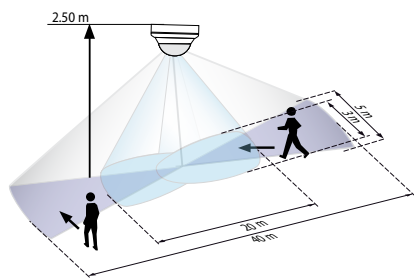
PD4-DUO / PD4-TRIO



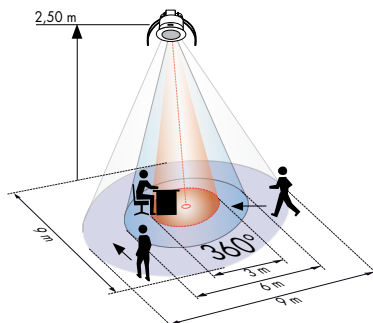
PD4-GH



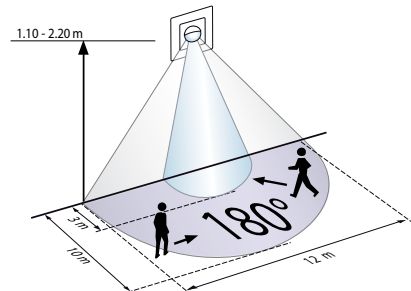
PD4-C



PD11



Indoor 180







[illegible]





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ISO 14001



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