B.E.G. LUXOMAT® net



# PD2N-KNXs-DX-FM Set 93513-93762

KNX PIR Motion Sensor (Deluxe) with 360° detection and a range of up to Ø10m (78 m²)

## Order data

| Designation | Colour | Art.No |
|---|---|---|
| PD2N-KNXs-DX-FM | white | 93513 |
| Cover ring PD2N FM | traffic white | 93762 |

## Technical data

| | |
|---|---|
| Voltage: | via KNX BUS |
| Dimensions: | Ø 106 x 42 mm |
| Typ. power input: | 12 mA |
| Detection area: | horizontal 360° (Ceiling mounting) |
| Range: | max. Ø 10 m across<br>max. Ø 6 m towards<br>max. Ø 4 m seated |
| Monitored area (tangential movement): | 78 m² / 2.5 m mounting height |
| Mounting height min./max./recommended: | 2 m / 5 m / 2.5 m |
| Degree / class of protection: | IP20 / Class III |
| Impact strength: | IK05 |
| Ambient temperature: | -25 °C to +55 °C |
| Temperature measurement range: | -5 °C to +45 °C |
| Housing: | polycarbonate, UV-resistant |
| Material color: | **traffic white mat, similar to RAL9016 (93762)** |
| Number of light sensors: | 2 |
| Number of PIR sensors: | 1 |
| KNX TP 256: | Yes |
| KNX Secure: | Yes |
| Orientation light: | 5 – 100 % / OFF / 1 min – 255 min |
| Night light: | 5 – 100 % |
| Brightness set value: | 5 – 2000 Lux |

## Product information

Set : PD2N-KNXs-DX-FM + Cover ring PD2N FM traffic white mat, similar to RAL9016

KNX occupancy detector with integrated KNX bus connector

KNX Secure ready

HCL/RGB control

Parameterisation from ETS 5 for integration into KNX systems

Individual adaption of the PIR sensor sensitivity

Mixed light measurement using internal, external and remote (optional) light sensors

Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode

1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs

Regulation of up to three lighting groups using offset (external influence possible)

Short presence, self-adjusting follow-up time, corridor function

Various locking functions

Soft-start

Two logic modules

Recall of light scenes

Deactivatable status indicators

Temperature- and noise sensor

The product database for import into the ETS database can be downloaded from the B.E.G. homepage.

Detection area can be extended thanks to master-slave-mode

Extensive optimization options for light measurement

Measured light value is communicated to the bus

Adaption of dimming curve

Bidirectionally remote control-capable with the IR adapter and the B.E.G. smartphone app

PIN code

IR remote control-capable via IR remote control (optionally)

5 button remote control, programmable at choice (accessory)

Programming button (phys. address) can be operated via remote control

HVAC mode (0=automatic, 1=comfort, 2=stand-by, 3=economy, 4=antifreeze/heat protection)

Manual influence via external KNX push buttons possible

Function control (heartbeat, cyclical sending)

Occupancy simulation

Forced switch-off

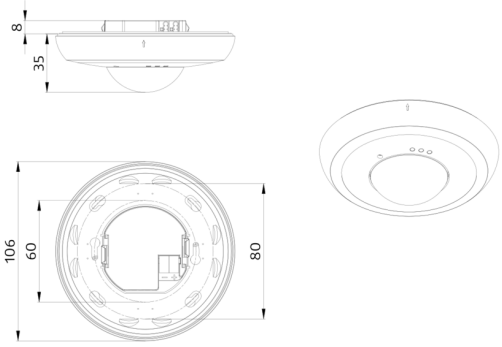
Intelligent central-off function

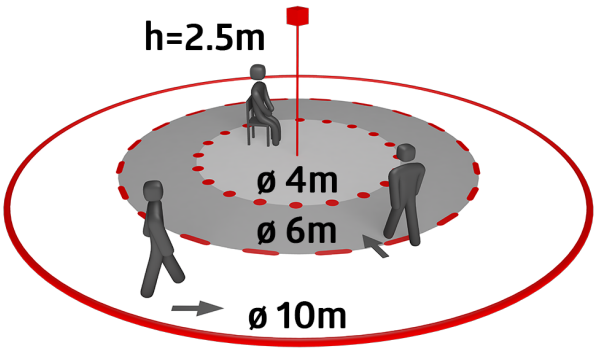
Premonition of switch-off

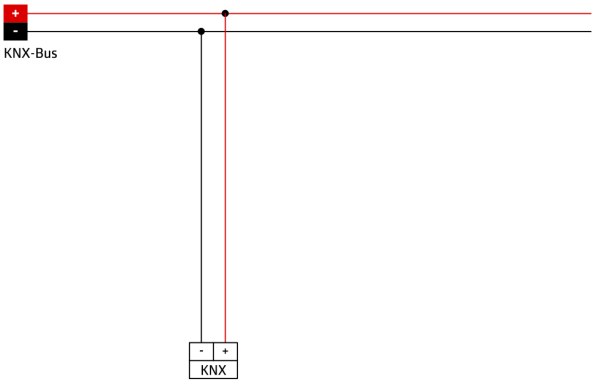
Burn-in function for fluorescent lamps selectable from 1h till 100h

Behaviour upon bus voltage return definable at choice

Variable safety pause after switching off the lights


8
35
106
60
80


h=2.5m
ø 4m
ø 6m
ø 10m


+
-
KNX-Bus
-
+
KNX

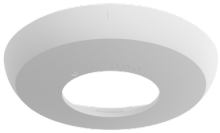
## Set items

To receive the bundle according to the technical specification, please order the items listed.



**PD2N-KNXs-DX-FM**
Art.No: 93513

Voltage: via KNX BUS
Dimensions: Ø 106 x 42 mm
Typ. power input: 12 mA



**Cover ring PD2N FM**
Art.No: 93762

Dimensions: Ø 106 x 20 mm
Impact strength: IK05
Housing: polycarbonate, UV-resistant