B.E.G. LUXOMAT® net



# PD2N-KNXs-ST-FC

93510 EAN: 4007529935109

KNX PIR motion detector (standard) with 360° coverage and a range of up to Ø10m (78 m²)

## Order data

| Designation | Colour | Art.No |
|---|---|---|
| PD2N-KNXs-ST-FC | white | 93510 |

## Accessories

| Designation | Colour | Art.No |
|---|---|---|
| BLE-IR-Adapter | black | 93067 |
| IR-PD-KNX | - | 92123 |
| Cover ring PD2N FC | black | 93773 |
| Cover ring PD2N FC | traffic white | 93772 |
| Cover ring PD2N FC | anthracite | 93771 |
| Wire basket BSK (Ø 200 x 90 mm) | white | 92199 |
| Wall holder PD2N/4N Typ A | traffic white | 93702 |
| Wall holder PD2N/4N Typ A | anthracite | 93701 |
| Wall holder PD2N/4N Typ A | white | 93700 |
| Wall holder PD2N/4N Typ A | black | 93703 |
| Wall holder PD2N/4N Typ A | white | 93164 |
| Blinds PD2N/PD3N | | 37367 |

## Technical data

| | |
|---|---|
| Voltage: | via KNX BUS |
| Dimensions: | Ø 83 x 55 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 |
| Housing: | polycarbonate, UV-resistant |
| Material color: | white mat, similar to RAL9010 |
| 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

KNX occupancy detector with integrated KNX bus connector

KNX Secure ready

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

Recall of light scenes

Deactivatable status indicators

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)

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)

Forced switch-off

Intelligent central-off function

Premonition of switch-off

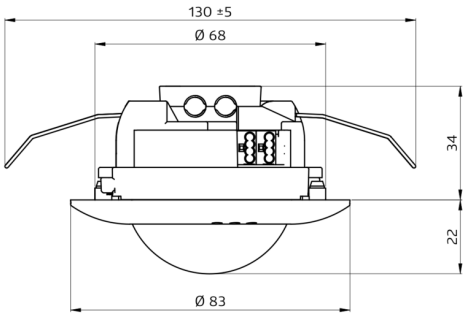
Burn-in function for fluorescent lamps selectable from 1h till

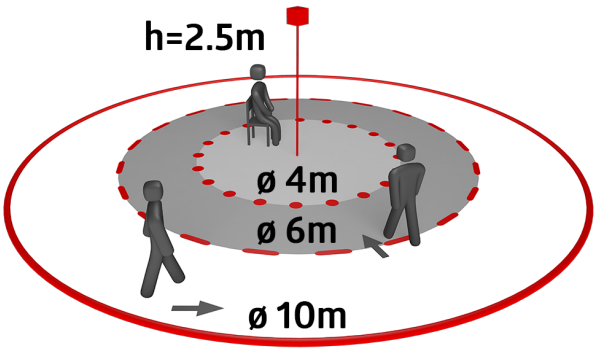
100h

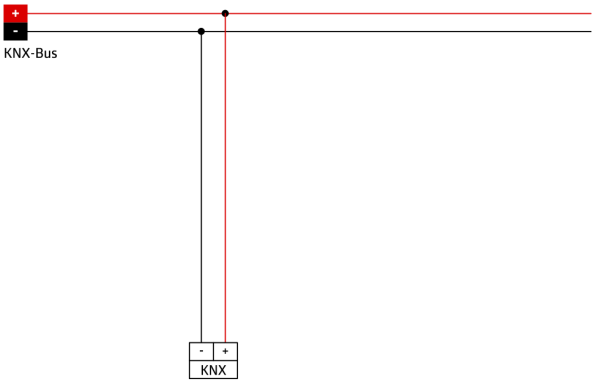
Behaviour upon bus voltage return definable at choice

Variable safety pause after switching off the lights

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


130 ±5
Ø 68
34
22
Ø 83


h=2.5m
ø 4m
ø 6m
ø 10m


+
-
KNX-Bus
-
+
KNX

## Accessories



**BLE-IR-Adapter**
Art.No: 93067

Dimensions: 40 x 55 x 103 mm
Material color: black
Frequency: 2.4 GHz ISM band, GFSK
0.2 dBm + 5.3 dBi = 5.5 dBm




**IR-PD-KNX**
Art.No: 92123

Battery: 3.0 V Lithium CR2032 (inclusive)
Dimensions: 80 x 60 x 8 mm
Material color: -



**Cover ring PD2N FC**
Art.No: 93773

Dimensions: Ø 82 x 13 mm
Impact strength: IK05
Housing: polycarbonate, UV-resistant



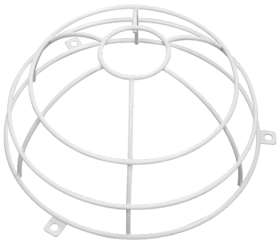
**Cover ring PD2N FC**
Art.No: 93772

Dimensions: Ø 82 x 13 mm
Impact strength: IK05
Housing: polycarbonate, UV-resistant



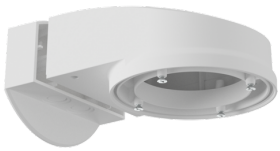
**Cover ring PD2N FC**
Art.No: 93771

Dimensions: Ø 82 x 13 mm
Impact strength: IK05
Housing: polycarbonate, UV-resistant



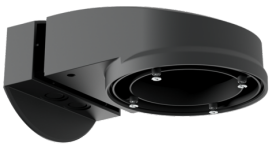
**Wire basket BSK (Ø 200 x 90 mm)**
Art.No: 92199

Dimensions: Ø 200 x 90 mm
Impact strength: IK09
Housing: coated steel basket



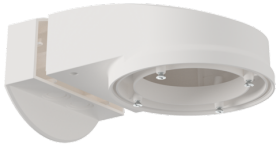
**Wall holder PD2N/4N Typ A**
Art.No: 93702

Dimensions: 133 x 106 x 66 mm
Degree / class of protection: IP54 / Class II
Housing: polycarbonate, UV-resistant



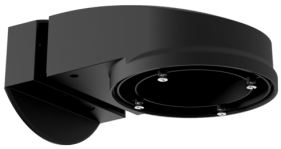
**Wall holder PD2N/4N Typ A**
Art.No: 93701

Dimensions: 133 x 106 x 66 mm
Degree / class of protection: IP54 / Class II
Housing: polycarbonate, UV-resistant



**Wall holder PD2N/4N Typ A**
Art.No: 93700

Dimensions: 133 x 106 x 66 mm
Degree / class of protection: IP54 / Class II
Housing: polycarbonate, UV-resistant



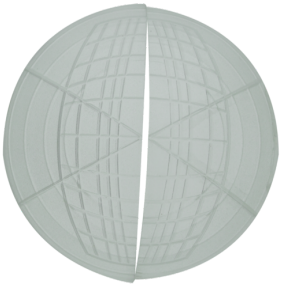
**Wall holder PD2N/4N Typ A**
Art.No: 93703

Dimensions: 133 x 106 x 66 mm
Degree / class of protection: IP54 / Class II
Housing: polycarbonate, UV-resistant



**Wall holder PD2N/4N Typ A**
Art.No: 93164

Dimensions: 133 x 106 x 66 mm
Degree / class of protection: IP54 /
Housing: polycarbonate, UV-resistant



**Blinds PD2N/PD3N**
Art.No: 37367

Housing: ABS