

**B.E.G.****LUXOMAT® net**

## PD4N-KNX-DX-FC

Prod.No. 93386 EAN: 4007529933860

- Voltage: via KNX BUS
- Dimensions: Ø 106 x 68 mm
- Typ. power input: 12 mA

### Order data

| Designation    | Colour | Art.No |
|----------------|--------|--------|
| PD4N-KNX-DX-FC | white  | 93386  |

### Accessories

| Designation                           | Colour        | Art.No |
|---------------------------------------|---------------|--------|
| BLE-IR-Adapter                        | black         | 93067  |
| IR-PD-KNX                             | -             | 92123  |
| IR-PD-KNX-Mini                        | -             | 93398  |
| Wire basket BSK (Ø 200 x 90 mm)       | white         | 92199  |
| SM socle mounting set IP65 PD4N       | white         | 93314  |
| lens PD4N, Cover ring                 | anthracite    | 93731  |
| lens PD4N, Cover ring                 | black         | 93733  |
| lens PD4N, Cover ring                 | traffic white | 93732  |
| Corridor lens PD4N type A, Cover ring | traffic white | 93742  |
| Corridor lens PD4N type A, Cover ring | anthracite    | 93741  |
| Corridor lens PD4N type A, Cover ring | black         | 93743  |

## Technical data

|   |   |
|---|---|
| Voltage:                                  | via KNX BUS   |
| Dimensions:                               | Ø 106 x 68 mm   |
| Typ. power input:                         | 12 mA   |
| Detection area:                           | horizontal 360°<br>(Ceiling mounting)<br>max. Ø 24 m<br>across<br>max. Ø 8 m<br>towards<br>max. Ø 6.4 m<br>seated |
| Range:                                    |   |
| Monitored area (tangential movement):     | 450 m <sup>2</sup> / 2.5 m<br>mounting<br>height  |
| Mounting height<br>min./max./recommended: | 2 m / 10 m / 2.5<br>m   |
| Degree / class of<br>protection:          | IP20 / Class III  |
| Temperature<br>measurement range:         | -5 °C to +45 °C   |
| Ambient temperature:                      | -25 °C to +55<br>°C   |
| Housing:                                  | polycarbonate,<br>UV-resistant<br>white mat,<br>similar to<br>RAL9010   |
| Material color:                           |   |
| Number of light sensors:                  | 2   |
| Number of PIR sensors:                    | 4   |
| KNX TP 256:                               | Yes   |
| Orientation light:                        | 5 - 100 % / OFF<br>/ 1 min - 255<br>min   |
| Night light:                              | 5 - 100 %   |
| Brightness set value:                     | 5 - 2000 Lux  |

## Product information

KNX occupancy detector with integrated KNX bus connector

Low installation depth

1 x light output (for regulating or switching), 1 x slave output, 3 x HVAC outputs (separately programmable)

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

Two logic modules

Individual adaption of detection sensitivity for each PIR sensor

Direction of movement can be identified

Mixed light measurement with internal and external light sensor

Various locking functions

Status LEDs can be activated / deactivated

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

Regulation/switching of three light groups via offset (external influence possible)

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

Recall of light scenes

Temperature- and noise sensor

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

5 button remote control, programmable at choice (accessory)

Occupancy simulation

PIR sensors can be deactivated individually

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

Extensive optimization options for light measurement

Measured light value is communicated to the bus

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

PIN code

Manual influence via external KNX push buttons possible

Function control (heartbeat, cyclical sending)

Forced switch-off

Intelligent central-off function

Premonition of switch-off

Behaviour upon bus voltage return definable at choice

Variable safety pause after switching off the lights

Settings ex ETS 4 for integration in KNX systems

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

Adaption of dimming curve

Determination of the reflection factor, e.g. on a desk, with the optional BLE-IR-Adapter

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

Soft-start

Spring-clamps

Blinds

**Application examples:**

open-plan offices, conference rooms, classrooms/seminar rooms, staircases, small offices, sports halls/ storage rooms

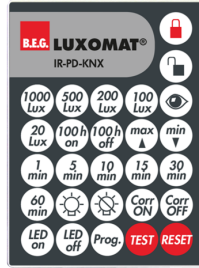


## Accessories



**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



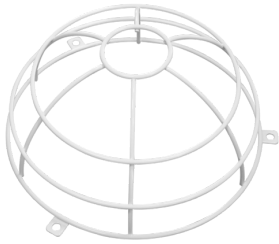
**IR-PD-KNX**  
Art.No: 92123

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



**IR-PD-KNX-Mini**  
Art.No: 93398

Battery: 3.0 V Lithium CR2032 (inclusive)  
Dimensions: 57 x 35 x 7 mm  
Material color: -



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

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



**SM socle mounting set IP65 PD4N**  
Art.No: 93314

Dimensions: 133 x 133 x 69 mm  
Degree / class of protection: IP65  
Material color: white



**lens PD4N, Cover ring**  
Art.No: 93731

Detection area: horizontal 360° (Ceiling mounting)  
Range: max. &Oslash; 24 m across<br>max. &Oslash; 8 m towards<br>max. &Oslash; 6.4 m seated  
Monitored area (tangential movement): 450 m<sup>2</sup> / 2.5 m mounting height



**lens PD4N, Cover ring**  
Art.No: 93733

Detection area: horizontal 360° (Ceiling mounting)  
Range: max. &Oslash; 24 m across<br>max. &Oslash; 8 m towards<br>max. &Oslash; 6.4 m seated  
Monitored area (tangential movement): 450 m<sup>2</sup> / 2.5 m mounting height



**lens PD4N, Cover ring**  
Art.No: 93732

Detection area: horizontal 360° (Ceiling mounting)  
Range: max. &Oslash; 24 m across<br>max. &Oslash; 8 m towards<br>max. &Oslash; 6.4 m seated  
Monitored area (tangential movement): 450 m<sup>2</sup> / 2.5 m mounting height



**Corridor lens PD4N type A, Cover ring**  
Art.No: 93742

Detection area: horizontal 360° (Ceiling mounting)  
Range: max. &Oslash; 40 m across<br>max. &Oslash; 20 m towards  
Monitored area (tangential movement): 250 m<sup>2</sup> / 2.5 m mounting height



**Corridor lens PD4N type A, Cover ring**

Art.No: 93741

Detection area: horizontal 360° (Ceiling mounting)

Range: max. 40 m across  
max. 20 m towards

Monitored area (tangential movement):  
250 m<sup>2</sup> / 2.5 m mounting height



**Corridor lens PD4N type A, Cover ring**

Art.No: 93743

Detection area: horizontal 360° (Ceiling mounting)

Range: max. 40 m across  
max. 20 m towards

Monitored area (tangential movement):  
250 m<sup>2</sup> / 2.5 m mounting height