B.E.G. LUXOMAT® net




# PD2N-RF-KNXs-DX-FC
# Set 93580-93773

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

## Order data

| Designation | Colour | Art.No |
|---|---|---|
| PD2N-RF-KNXs-DX-FC | white | 93580 |
| Cover ring PD2N FC | black | 93773 |

## Technical data

| | |
|---|---|
| Voltage: | 230 V AC ±10% 50 / 60 Hz |
| Dimensions: | Ø 83 x 81 mm |
| Power consumption: | 1 W |
| 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 II |
| Impact strength: | IK05 |
| Ambient temperature: | -25 °C to +55 °C |
| Temperature measurement range: | -5 °C to +45 °C |
| Housing: | polycarbonate, UV-resistant |
| Material color: | **black mat, similar to RAL9005 (93773)** |
| Number of light sensors: | 2 |
| Number of PIR sensors: | 1 |
| KNX RF 256: | Yes |
| KNX Secure: | Yes |
| Switching power: | 2300 W, cos φ = 1<br>1150 VA, cos φ = 0.5<br>300 W LED |
| Type of contact (k): | µ-contact, dry NO contact |
| Orientation light: | 5 – 100 % / OFF / 1 min – 255 min |
| Night light: | 5 – 100 % |
| Brightness set value: | 5 – 2000 Lux |
| Frequency: | 868.3 MHz (EU), RF1.R, 10 dBm |
| Transmit range: | max. 150 m |

## Product information

Set : PD2N-RF-KNXs-DX-FC + Cover ring PD2N FC black mat, similar to RAL9005

KNX RF occupancy detector

Communication via KNX RF radio

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

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

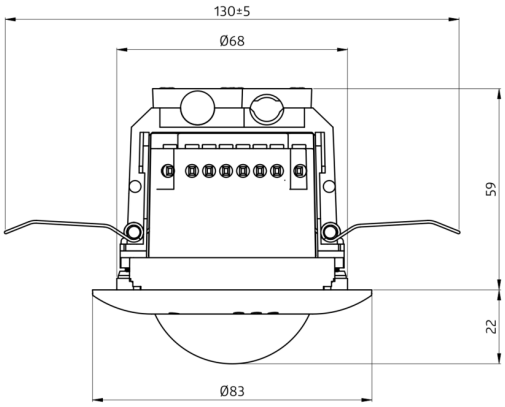
Variable safety pause after switching off the lights

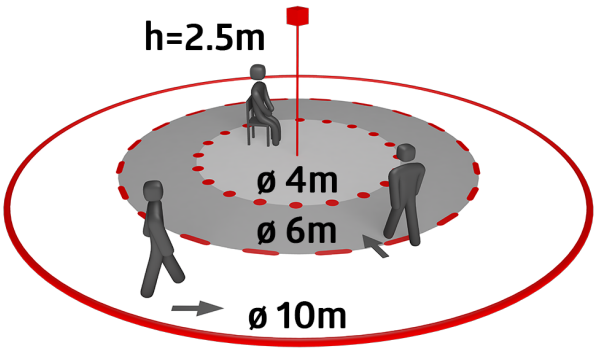
Optional potential-free switching contact for switching operation

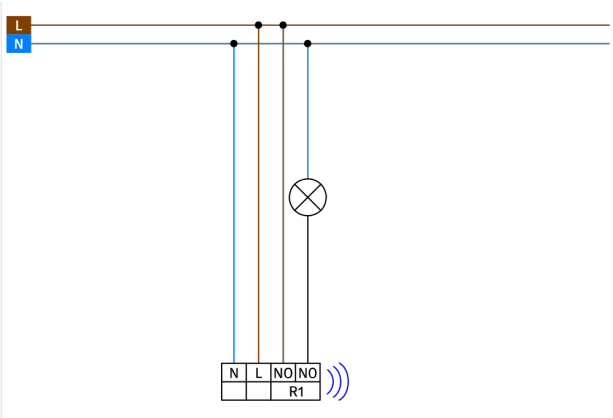
Repeater function can be activated

Perfectly suited for renovations and modernisations

Due to the radio frequency of 868 MHz, the device is only authorised for operation in Europe


130±5
Ø68
59
22
Ø83


h=2.5m
ø 4m
ø 6m
ø 10m


L
N
N
L
NO
NO
R1

## Set items

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



**PD2N-RF-KNXs-DX-FC**
Art.No: 93580

Voltage: 230 V AC ±10% 50 / 60 Hz
Dimensions: Ø 83 x 81 mm
Power consumption: 1 W



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

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