



## PD2N-RF-KNXs-DX-FC Set 93580-93773-92199

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  |
| Wire basket BSK (Ø 200 x 90 mm) | white  | 92199  |

## Technical data

|                                           |                                                                                                                    |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Voltage:                                  | 230 V AC $\pm 10\%$<br>50 / 60 Hz                                                                                  |
| Dimensions:                               | <b>Ø 200 x 90 mm<br/>(92199)</b>                                                                                   |
| Power consumption:                        | 1 W                                                                                                                |
| Detection area:                           | horizontal 360°<br>(Ceiling<br>mounting)<br>max. Ø 10 m<br>across<br>max. Ø 6 m<br>towards<br>max. Ø 4 m<br>seated |
| Range:                                    |                                                                                                                    |
| Monitored area<br>(tangential movement):  | 78 m <sup>2</sup> / 2.5 m<br>mounting height                                                                       |
| Mounting height<br>min./max./recommended: | 2 m / 5 m / 2.5<br>m                                                                                               |
| Degree / class of<br>protection:          | IP20 / Class II                                                                                                    |
| Impact strength:                          | <b>IK09 (92199)</b>                                                                                                |
| Ambient temperature:                      | -25 °C to +55 °C                                                                                                   |
| Temperature<br>measurement range:         | -5 °C to +45 °C                                                                                                    |
| Housing:                                  | <b>polycarbonate,<br/>UV-resistant +<br/>coated steel<br/>basket (92199)</b>                                       |
| Material color:                           | <b>black mat,<br/>similar to<br/>RAL9005<br/>(93773)</b>                                                           |
| Number of light sensors:                  | 2                                                                                                                  |
| Number of PIR sensors:                    | 1                                                                                                                  |
| KNX RF 256:                               | Yes                                                                                                                |
| KNX Secure:                               | Yes                                                                                                                |
| Switching power:                          | 2300 W, $\cos \varphi = 1$<br>1150 VA, $\cos \varphi = 0.5$<br>300 W LED                                           |
| Type of contact (k):                      | μ-contact, dry<br>NO contact                                                                                       |
| Orientation light:                        | 5 - 100 % / OFF /<br>1 min - 255 min                                                                               |
| Night light:                              | 5 - 100 %                                                                                                          |
| Brightness set value:                     | 5 - 2000 Lux                                                                                                       |
| Frequency:                                | 868.3 MHz (EU),<br>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 + Wire basket BSK (Ø  
200 x 90 mm) white

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

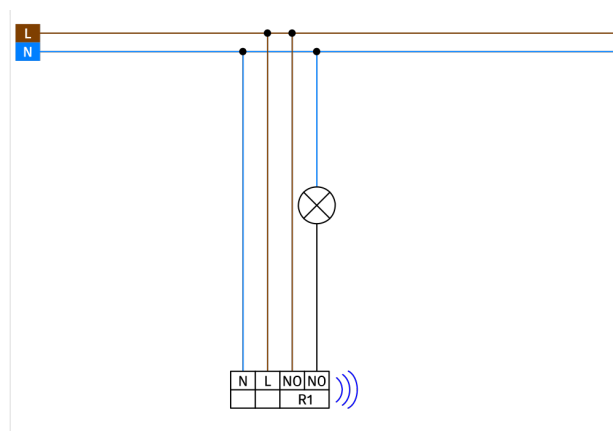
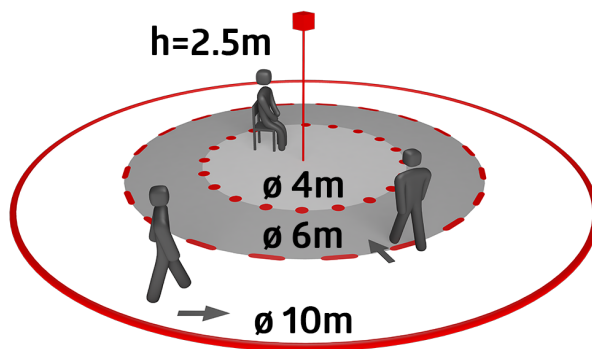
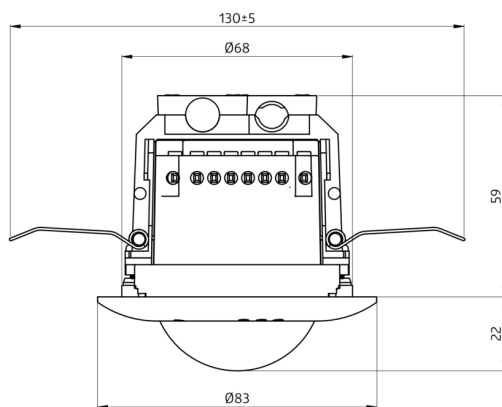
Variable safety pause after switching off the lights

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



## Set items

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



### **PD2N-RF-KNXs-DX-FC**

Art.No: 93580

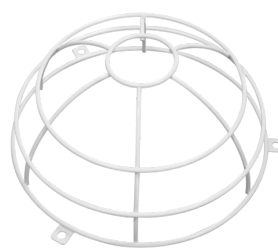
Voltage: 230 V AC  $\pm 10\%$  50 / 60 Hz  
Dimensions:  $\varnothing 83 \times 81$  mm  
Power consumption: 1 W



### **Cover ring PD2N FC**

Art.No: 93773

Dimensions:  $\varnothing 82 \times 13$  mm  
Impact strength: IK05  
Housing: polycarbonate, UV-resistant



### **Wire basket BSK ( $\varnothing 200 \times 90$ mm)**

Art.No: 92199

Dimensions:  $\varnothing 200 \times 90$  mm  
Impact strength: IK09  
Housing: coated steel basket