



## PD2N-RF-KNXs-DX-FC

Prod.No. 93580 EAN: 4007529935802

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

### Order data

Designation	Colour	Art.No
PD2N-RF-KNXs-DX-FC	white	93580

### Accessories

Designation	Colour	Art.No
BLE-IR-Adapter	black	93067
IR-PD-KNX	-	92123
IR-PD-KNX-Mini	-	93398
SM socle mounting set IP54 PD2N H	white	93454
SM socle mounting set IP54 PD2N H	black	93783
SM socle mounting set IP54 PD2N H	traffic white	93782
SM socle mounting set IP54 PD2N H	anthracite	93781
Cover ring PD2N FC	black	93773
Cover ring PD2N FC	traffic white	93772
Cover ring PD2N FC	anthracite	93771
Wire basket BSK ( $\varnothing 200 \times 90$ mm)	white	92199

## Technical data

Voltage:	230 V AC $\pm 10\%$ 50 / 60 Hz
Dimensions:	Ø 83 x 81 mm
Power consumption:	1 W
Detection area:	horizontal 360° (Ceiling mounting) max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Range:	78 m <sup>2</sup> / 2.5 m mounting height
Monitored area (tangential movement):	2 m / 5 m / 2.5 m
Mounting height min./max./recommended:	IP20 / Class II
Degree / class of protection:	IK05
Impact strength:	-5 °C to +45 °C
Temperature measurement range:	-25 °C to +55 °C
Ambient temperature:	polycarbonate, UV-resistant
Housing:	2
Number of light sensors:	white mat, similar to RAL9010
Material color:	1
Number of PIR sensors:	Yes
KNX RF 256:	Yes
KNX RF:	2300 W, $\cos \varphi = 1$ 1150 VA, $\cos \varphi = 0.5$ 300 W LED
Switching power:	µ-contact, dry NO contact
Type of contact (k):	5 - 100 % / OFF / 1 min - 255 min
Orientation light:	5 - 100 %
Night light:	5 - 2000 Lux
Brightness set value:	868.3 MHz (EU), 10 dBm
Frequency:	max. 150 m
Transmit range:	

## Product information

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

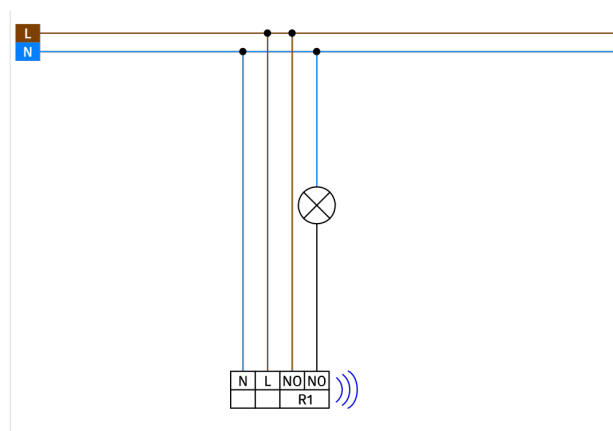
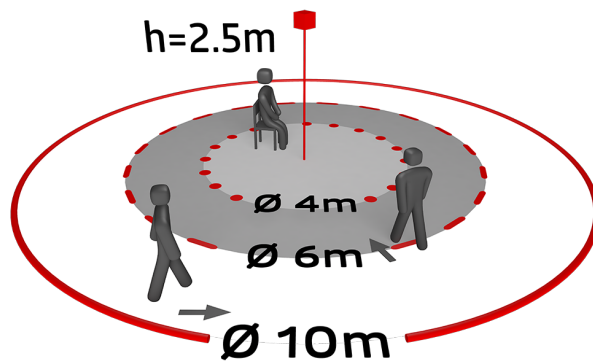
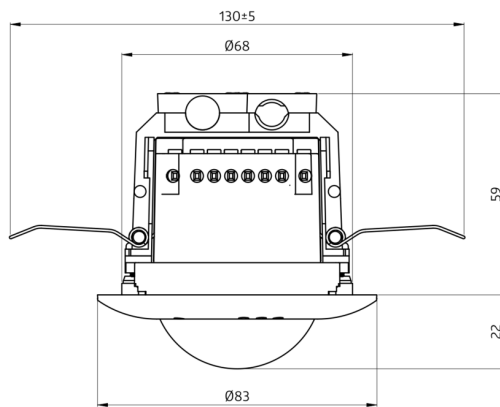
Repeater function can be activated

Perfectly suited for renovations and modernisations

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

**Typical applications:**

Offices, conference rooms, schools, nursery schools, hospitals



## 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: -



### SM socle mounting set IP54 PD2N H

Art.No: 93454

Dimensions: Ø 110 x 65 mm  
Degree / class of protection: IP54  
Material color: white, similar to RAL9010



### SM socle mounting set IP54 PD2N H

Art.No: 93783

Dimensions: Ø 110 x 65 mm  
Degree / class of protection: IP54  
Material color: black, similar to RAL9005



### SM socle mounting set IP54 PD2N H

Art.No: 93782

Dimensions: Ø 110 x 65 mm  
Degree / class of protection: IP54  
Material color: traffic white, similar to RAL9016



### SM socle mounting set IP54 PD2N H

Art.No: 93781

Dimensions: Ø 110 x 65 mm  
Degree / class of protection: IP54  
Material color: anthracite, similar to RAL7012



### 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



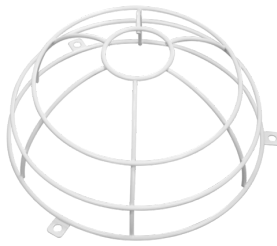
**Cover ring PD2N FC**

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