

# B.E.G. LUXOMAT<sup>®</sup> net



## PD2N-RF-KNXs-DX-FC Set 93580-93760-92199

KNX RF PIR Motion Sensor (Deluxe) with 360° detection and a range of up to Ø10m (78 m<sup>2</sup>), communication via KNX RF wireless

### Order data

Designation	Colour	Art.No
PD2N-RF-KNXs-DX-FC	white	93580
Cover ring PD2N FM	white	93760
Wire basket BSK (Ø 200 x 90 mm)	white	92199

## Technical data

Voltage:	230 V AC $\pm$ 10% 50 / 60 Hz
Dimensions:	<b>Ø 200 x 90 mm (92199)</b>
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:	
Monitored area (tangential movement):	78 m <sup>2</sup> / 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:	<b>IK09 (92199)</b>
Temperature measurement range:	-5 °C to +45 °C
Ambient temperature:	-25 °C to +55 °C
Housing:	<b>polycarbonate, UV-resistant + coated steel basket (92199) white mat, similar to RAL9010 (93760)</b>
Material color:	
Number of light sensors:	2
Number of PIR sensors:	1
KNX RF 256:	Yes
KNX Secure:	Yes
Switching power:	2300 W, $\cos \varphi =$ 1 1150 VA, $\cos \varphi =$ 0.5 300 W LED
Type of contact (k):	$\mu$ -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 FM  
white mat, similar to RAL9010 + 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 its radio frequency of 868 MHz, the device is only approved for use in Europe (+United Arab Emirates)



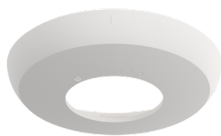
## Set items

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 FM**  
Art.No: 93760

Dimensions:  $\varnothing 106 \times 20$  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