

# B.E.G. LUXOMAT<sup>®</sup> 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 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 FC	black	93773

## 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:	<b>black mat, similar to RAL9005 (93773)</b>
Material color:	2
Number of light sensors:	1
Number of PIR sensors:	Yes
KNX RF 256:	Yes
KNX Secure:	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), RF1.R, 10 dBm
Frequency:	max. 150 m
Transmit range:	

## 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 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 FC**  
Art.No: 93773

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