B.E.G. LUXOMAT® net



PD2N-KNXs-OCCULOG-DX-FM

Prod.No. 93531 EAN: 4007529935314

KNX PIR Motion Sensor (Deluxe) with 360° detection and a range of up to Ø10m (78 m²), multi-sensor with temperature, air quality, and humidity control

Order data

Designation	Colour	Art.No
PD2N-KNXs-OCCULOG-DX-FM	white	93531

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- / PD4N-FM	white	93307
SM socle mounting set IP54 PD2N- / PD4N-FM	black	93753
SM socle mounting set IP54 PD2N- / PD4N-FM	traffic white	93752
SM socle mounting set IP54 PD2N- / PD4N-FM	anthracite	93751
Wire basket BSK (Ø 200 x 90 mm)	white	92199
Blinds PD2N/PD3N		37367

Technical data

Voltage:	via KNX BUS
Dimensions:	Ø 106 x 42 mm
Typ. power input:	25 mA
Detection area:	horizontal 360° (Ceiling mounting)
Range:	max. Ø 10 m across max. Ø 6 m towards 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 III
Impact strength:	IK05
Ambient temperature:	-25 °C to +55 °C
Temperature measurement range:	-5 °C to +45 °C
Housing:	polycarbonate, UV-resistant
Material color:	white mat, similar to RAL9010
Number of light sensors:	2
Number of PIR sensors:	1
KNX TP 256:	Yes
KNX Secure:	Yes
Orientation light:	5 – 100 % / OFF / 1 min – 255 min
Night light:	5 – 100 %
Brightness set value:	5 – 2000 Lux

Product information

KNX occupancy detector with integrated KNX bus connector

Low installation depth

1 x Light (for regulating or switching), 1 x slave output, 3 separate HVAC-blocs

Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode

Two logic modules

Individual adaption of the PIR sensor sensitivity

Mixed light measurement with internal and external light sensor

Various locking functions

Status LEDs can be activated / deactivated

Programming button (phys. address) can be operated via remote control

Regulation of up to three lighting groups using offset (external influence possible)

Short presence, self-adjusting follow-up time, corridor function

Recall of light scenes

Temperature- and noise sensor

Measurement of air quality based on volatile organic compounds (VOC)

Up to 4 limit values possible

Measurement of relative air humidity

All values can be sent to the bus and used for HVAC applications

Controller for temperature, air quality and humidity

HVAC mode (0=automatic, 1=comfort, 2=stand-by, 3=economy, 4=antifreeze/heat protection)

5 button remote control, programmable at choice (accessory)

Occupancy simulation

Detection area can be extended thanks to master-slave-mode

Extensive optimization options for light measurement

Measured light value is communicated to the bus

IR remote control-capable via IR remote control (optionally)

PIN code

Manual influence via external KNX push buttons possible

Function control (heartbeat, cyclical sending)

Forced switch-off

Intelligent central-off function

Premonition of switch-off

Behaviour upon bus voltage return definable at choice

Variable safety pause after switching off the lights

Parameterisation from ETS 5 for integration into KNX systems

The product database for import into the ETS database can be downloaded from the B.E.G. homepage.

Adaption of dimming curve

Determination of the reflection factor, e.g. on a desk, with the optional BLE-IR-Adapter

Burn-in function for fluorescent lamps selectable from 1h till 100h

Soft-start

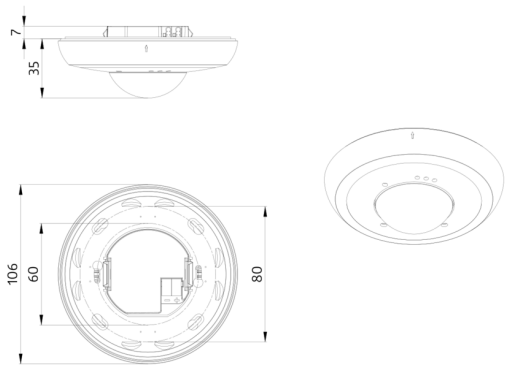
Integrated Tunable White controller for human-centric lighting

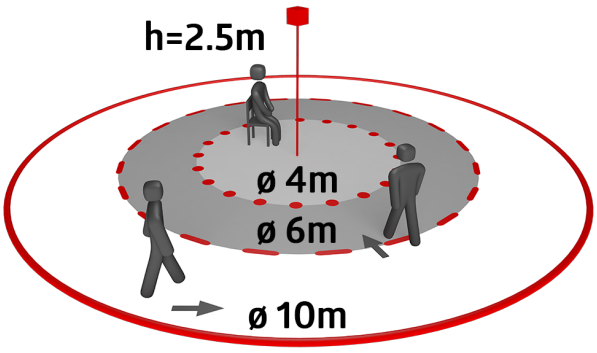
RGB control

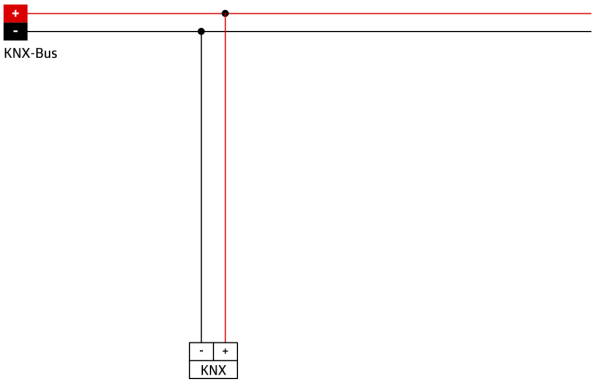
Spring-clamps

Blinds

Typical applications:
Offices, conference rooms, schools, nursery schools, hospitals


7
35
106
60
80


h=2.5m
ø 4m
ø 6m
ø 10m


+
-
KNX-Bus
-
+
KNX

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- / PD4N-FM
Art.No: 93307

Dimensions: Ø 109 x 19 mm
Degree / class of protection: IP54
Material color: white, similar to RAL9010



SM socle mounting set IP54 PD2N- / PD4N-FM
Art.No: 93753

Dimensions: Ø 109 x 19 mm
Degree / class of protection: IP54
Housing: polycarbonate, UV-resistant



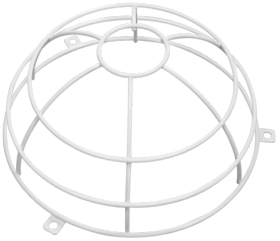
SM socle mounting set IP54 PD2N- / PD4N-FM
Art.No: 93752

Dimensions: Ø 109 x 19 mm
Degree / class of protection: IP54
Housing: polycarbonate, UV-resistant



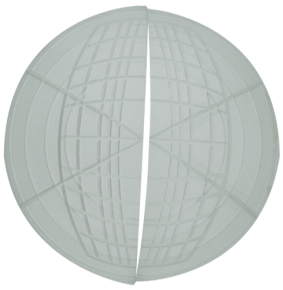
SM socle mounting set IP54 PD2N- / PD4N-FM
Art.No: 93751

Dimensions: Ø 109 x 19 mm
Degree / class of protection: IP54
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



Blinds PD2N/PD3N
Art.No: 37367

Housing: ABS