Presence detector - Professional Line

True Presence

V3.0 KNX - in-ceiling installation, white
EAN 4007841 079451
Article number 079451

Hochfrequenz Sensor 360°

Bewegung Ø 15 m

Präsenz Ø 15 m

True Presence Ø 9 m

Helligkeit

Luftfeuchte

Temperatur

KNX

2 - 12 m

2 - 2000 Lux

Function description

The world's first true presence detector! No unnecessary stay-ON times any more – no unnecessary electricity costs. Precision high-frequency measurement of the surrounding area provides 100 per-cent reliable detection. The True Presence detector reliably identifies whether persons are present or absent over an area of 64 m^2 – on the basis of the body's micro movements as well as human vital functions, such as breathing in and out, or shoulder movement. The new standard in building automation.

Technical specifications

Dimensions (L x W x H)	89 x 103 x 103 mm
With motion detector	Yes
Manufacturer's Warranty	5 years
Settings via	ETS software, Bluetooth, Bus
With remote control	No
Version	KNX - in-ceiling installation, white
PU1, EAN	4007841079451
Type	Presence detector
Application, place	Indoors
Application, room	classroom, lecture hall, one-person office, open-plan office, high-bay warehouse, production facilities, conference room / meeting room, hotel room, care room, duty room, recreation room, dining hall / staff restaurant, changing room, kitchenette, sports hall, reception / lobby, WC / washroom, warehouse, Indoors

HF-system	7,2 GHz
Detection	also through glass, wood and stud walls
Detection angle	360 °
Angle of aperture	160 °
Sneak-by guard	Yes
Capability of masking out individual segments	No
Electronic scalability	Yes
Mechanical scalability	No
Reach, radial	Ø 15 m (177 m^2)
Reach, tangential	Ø 15 m (177 m^2)
Reach, presence	Ø 15 m (177 m^2)
True Presence reach	Ø 9 m (64 m^2)
Transmitter power	< 1 mW
Twilight setting	2 – 1000 lx
Time setting	30 s – 1092 Min.

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Technical specifications

Colour	white
Colour, RAL	9003
Includes corner wall mount	No
Installation site	ceiling
Installation	In-ceiling installation, Ceiling
IP-rating	IP20
Ambient temperature	0 – 40 °C
Material	Plastic
Power supply, detail	KNX bus
With bus coupling	Yes
Technology, sensors	High frequency, Light sensor, Temperature, Air humidity
Mounting height	2,00 – 12,00 m
Mounting height max.	12,00 m
Optimum mounting height	2,8 m
Montagehöhe max. True Presence Erfassung	4,00 m

Basic light level function	Yes
Main light adjustable	0 - 100 %
Twilight setting TEACH	Yes
Constant-lighting control	Yes
KNX functions	Photo-cell controller, Basic light level function, Light level, HVAC output, Constant-lighting control, Light output 4x, Humidity output, Presence output, Day / night function, Dewpoint, Temperature output, Logic gate
Interconnection	Yes
Type of interconnection	Master/master, Master/slave
Interconnection via	KNX bus
Rated current	30 mA

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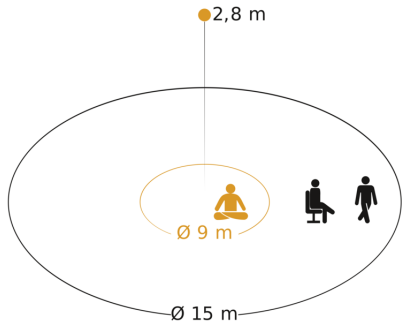
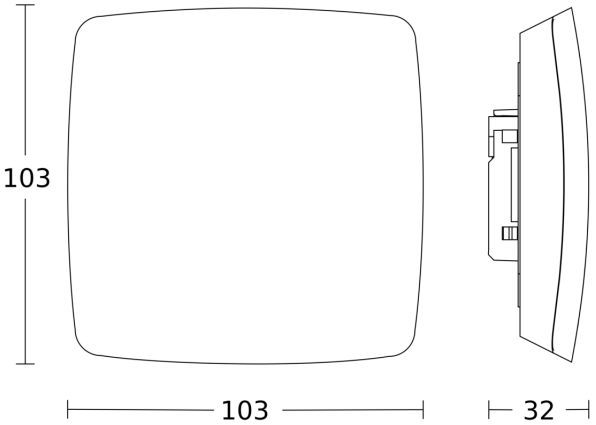
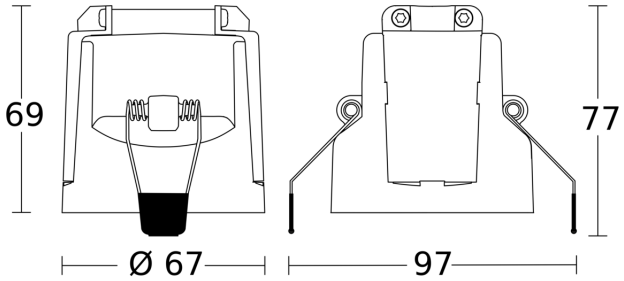
Detection Zone



Possible mounting height: 2,00 m – 12,00 m
Orange: True Presence
Black: movement and presence

Dimension Drawing 1



Dimension Drawing 2