

# True Presence

IP - concealed  
 EAN 4007841 085612  
 Article number 085612



high frequency sensor 360°



True Presence 0.9 m



Presence 0.15 m



Movement 0.15 m



2 - 12 m



brightness



temperature



air humidity



IP20



CE

## 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<sup>2</sup> – 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. Easy to control via app and Bluetooth.

## Technical specifications

Dimensions (L x W x H)	52 x 103 x 103 mm	Optimum mounting height	2,8 m
With motion detector	Yes	Montagehöhe max. True Presence Erfassung	4,00 m
Manufacturer's Warranty	5 years	HF-system	7,2 GHz
Settings via	Bluetooth Mesh	Detection	also through glass, wood and stud walls
With remote control	No	Detection angle	360 °
Version	IP - concealed	Angle of aperture	160 °
PU1, EAN	4007841085612	Sneak-by guard	Yes
Type	Presence detector	Capability of masking out individual segments	No
Application, place	Indoors	Electronic scalability	Yes
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	Mechanical scalability	No
		Reach, radial	Ø 15 m (177 m <sup>2</sup> )
		Reach, tangential	Ø 15 m (177 m <sup>2</sup> )
		Reach, presence	Ø 15 m (177 m <sup>2</sup> )
		True Presence reach	Ø 9 m (64 m <sup>2</sup> )

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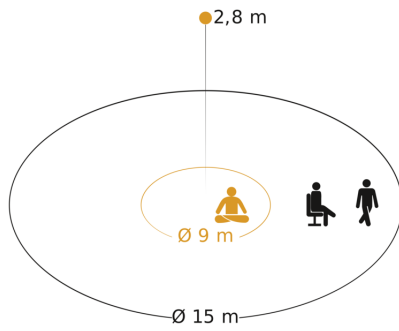
Colour	white
Colour, RAL	9003
Includes corner wall mount	No
Installation site	ceiling
Installation	Concealed wiring, Ceiling
IP-rating	IP20
Ambient temperature	from -20 up to 50 °C
Material	Plastic
Mains power supply	44 – 57 V
Power supply, detail	Passive PoE SELV, standard PoE (IEEE 802.3 af)
With bus coupling	Yes
Technology, sensors	High frequency, Light sensor
Mounting height	2,00 – 12,00 m
Mounting height max.	12,00 m

Transmitter power	< 1 mW
Twilight setting	2 – 1000 lx
Basic light level function	No
Main light adjustable	No
Twilight setting TEACH	No
Constant-lighting control	No
Interconnection	Yes
Interconnection via	Bluetooth Mesh
Product category	Presence detector

# True Presence

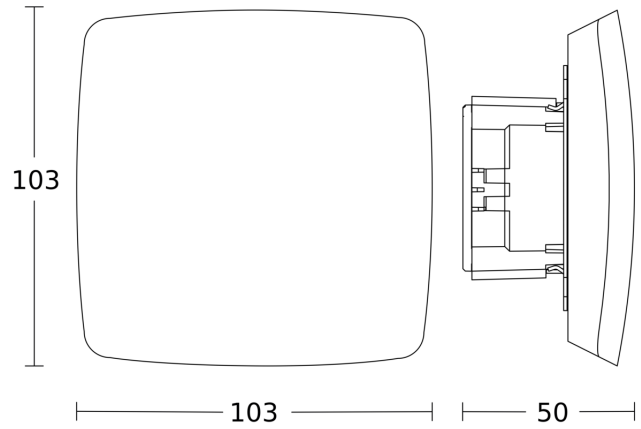
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## Detection Zone



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

## Dimension Drawing



## Circuit diagram

