Presence detector - Professional Line

# True Presence

COM2 - concealed white
EAN 4007841 057947
Article number 057947

high frequency sensor 360°

Movement Ø 15 m

Presence Ø 15 m

True Presence Ø 9 m

brightness

2000 W
max. 2000 W

2 - 12 m

2 - 2000 lux

5 sec - 60 min

IP20

## 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. Easy to control via app and Bluetooth.

## Technical specifications

| | |
|---|---|
| Dimensions (L x W x H) | 50 x 103 x 103 mm |
| With motion detector | Yes |
| Manufacturer's Warranty | 5 years |
| Settings via | Bluetooth |
| With remote control | No |
| Version | COM2 - concealed white |
| PU1, EAN | 4007841057947 |
| 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 |

| | |
|---|---|
| Capacitive load in µF | 176 µF |
| Power consumption | 1 W |
| Technology, sensors | High frequency, Light sensor |
| 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 |
| 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 |

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## Technical specifications

| | |
|---|---|
| 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 | 220 – 240 V / 50 – 60 Hz |
| Switching output 1, resistive | 2000 W |
| Switching output 1, number of LEDs / fluorescent lamps | 8 pcs. |
| Switching output 1, floating | No |
| Switching output 2, resistive | 230 W |
| Switching output 2, floating | Yes |
| Fluorescent lamps, electronic ballast | 1500 W |
| Fluorescent lamps, uncorrected | 1000 VA |
| Fluorescent lamps, series-corrected | 400 VA |
| Fluorescent lamps, parallel-corrected | 1000 VA |
| Switching output 1, low-voltage halogen lamps | 2000 VA |
| LED lamps < 2 W | 100 W |
| LED lamps > 2 W < 8 W | 300 W |
| LED lamps > 8 W | 600 W |

| | |
|---|---|
| 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 |
| Functions | Group parameterisation, Semi-/fully automatic, Lighting scenario, Manual ON / ON-OFF, Neighbouring group function, Normal / test mode |
| Twilight setting | 2 – 2000 lx |
| Time setting | 20 s – 60 Min. |
| Basic light level function | No |
| Main light adjustable | No |
| Twilight setting TEACH | Yes |
| Constant-lighting control | No |
| Interconnection | Yes |
| Type of interconnection | Master/master, Master/slave |
| Interconnection via | Bluetooth |
| Product category | Presence detector |

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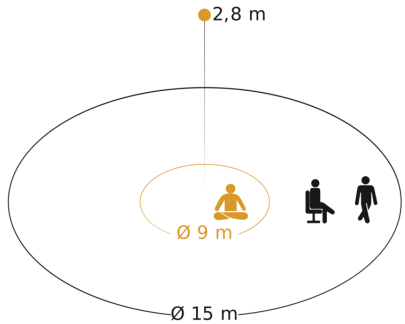
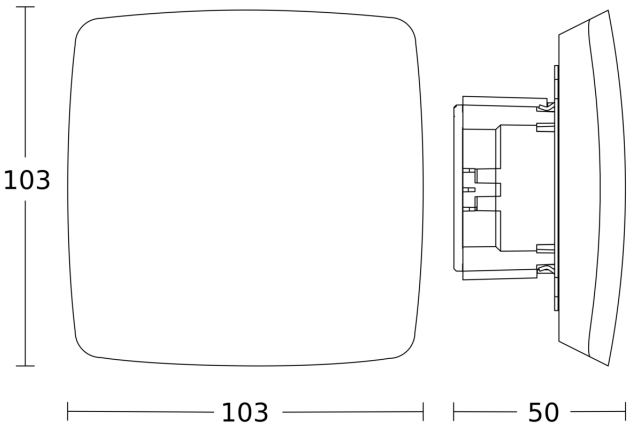
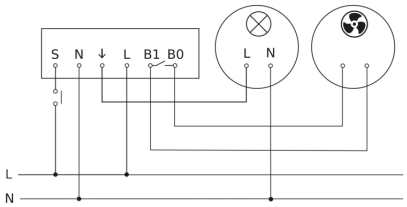
## Detection Zone




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

## Dimension Drawing




## Master circuit diagram