

# True Presence

COM1 - surface black  
EAN 4007841 068493  
Article number 068493



high frequency  
sensor 360°



Movement Ø 15 m



Presence Ø 15 m



True Presence Ø 9  
m

2000 W

max. 2000 W



2 - 12 m



5 sec - 60 min



IP54

5 years

manufacturer's  
warranty steinel.de/  
garantie



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. Light measurement is not possible with the black sensors. An external light meter must be integrated via Bluetooth or KNX for this purpose.

## Technical specifications

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions (L x W x H)  | 45 x 123 x 123 mm                                                                                                                                                                                                                                                                                                         |
| With motion detector    | Yes                                                                                                                                                                                                                                                                                                                       |
| Manufacturer's Warranty | 5 years                                                                                                                                                                                                                                                                                                                   |
| Settings via            | Bluetooth                                                                                                                                                                                                                                                                                                                 |
| With remote control     | No                                                                                                                                                                                                                                                                                                                        |
| Version                 | COM1 - surface black                                                                                                                                                                                                                                                                                                      |
| PU1, EAN                | 4007841068493                                                                                                                                                                                                                                                                                                             |
| 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 |

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| 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                                     |
| 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> )            |

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|                                                        |                              |
|--------------------------------------------------------|------------------------------|
| Colour                                                 | black                        |
| Colour, RAL                                            | 9005                         |
| Includes corner wall mount                             | No                           |
| Installation site                                      | ceiling                      |
| Installation                                           | Surface wiring, Ceiling      |
| IP-rating                                              | IP54                         |
| 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 1, low-voltage halogen lamps          | 2000 VA                      |
| Power consumption                                      | 1 W                          |
| Technology, sensors                                    | High frequency, Light sensor |
| Mounting height                                        | 2,00 – 12,00 m               |

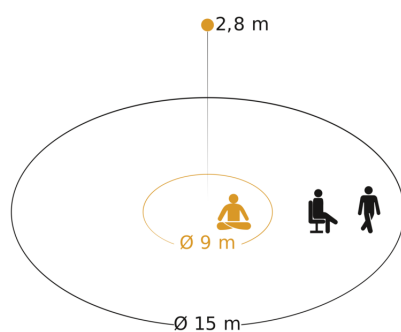
|                            |                             |
|----------------------------|-----------------------------|
| True Presence reach        | Ø 9 m (64 m²)               |
| Transmitter power          | < 1 mW                      |
| Time setting               | 20 s – 60 Min.              |
| Basic light level function | No                          |
| Main light adjustable      | No                          |
| Twilight setting TEACH     | No                          |
| Constant-lighting control  | No                          |
| Interconnection            | Yes                         |
| Type of interconnection    | Master/master, Master/slave |
| Interconnection via        | Bluetooth                   |
| Product category           | Presence detector           |

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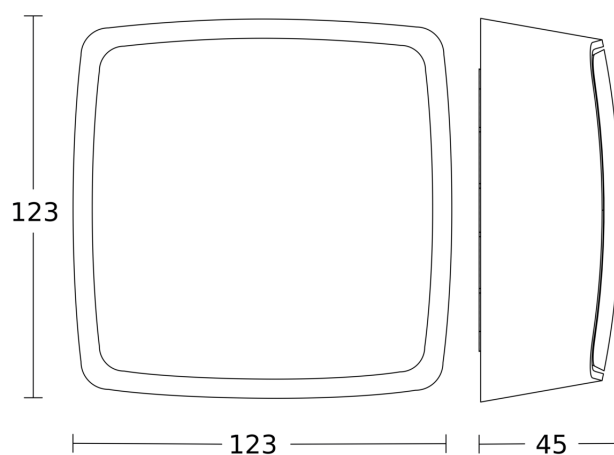


## Detection Zone



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

## Dimension Drawing



## Master circuit diagram

