

Presence Switch

# IR 180

Dali - silver

EAN 4007841 033019

**STEINEL**<sup>®</sup>  
PROFESSIONAL



infrared sensor  
180°



max. 20 m

2000w

max. 2000 W



IP20



2 - 1000 lux



30 sec - 30 min



indoor sensor



energy saving

5 JAHRE  
HERSTELLER  
GARANTIE

manufacturer's  
warranty  
[steinel-professional.de/garantie](https://www.steinel-professional.de/garantie)



VDE

## Function description

The new benchmark. High-precision IR 180 infrared presence sensor with a reach of 20 m. Ideal for new builds. 180° angle of coverage. Fast and easy 3-wire installation. Attractive design. Integrated button for manual override. The KNX version also provides temperature and air humidity readings.

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## Technical specifications

|                          |                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------|
| Type                     | Presence detector                                                                                                   |
| Dimensions (L x W x H)   | 80 x 80 x 21 mm                                                                                                     |
| Mains power supply       | 230 V / 50 – 60 Hz                                                                                                  |
| Power supply, detail     | DALI bus                                                                                                            |
| Sensor Technology        | passive infrared                                                                                                    |
| Application, place       | Indoors                                                                                                             |
| Application, place, room | one-person office, corridor / aisle, function room / ancillary room, kitchenette, stairwell, WC / washroom, indoors |
| Installation site        | wall                                                                                                                |
| Type of installation     | Concealed wiring                                                                                                    |
| Switching zones          | 96 switching zones                                                                                                  |
| Electronic scalability   | Yes                                                                                                                 |
| Mechanical scalability   | No                                                                                                                  |
| Mounting height          | 1,10 – 1,20 m                                                                                                       |
| Optimum mounting height  | 1,2 m                                                                                                               |
| Detection angle          | 180 °                                                                                                               |
| Angle of aperture        | 90 °                                                                                                                |
| Sneak-by guard           | Yes                                                                                                                 |
| Reach, radial            | r = 4 m (25 m²)                                                                                                     |
| Reach, presence          | r = 4 m (25 m²)                                                                                                     |
| Twilight setting TEACH   | Yes                                                                                                                 |

|                                              |                                    |
|----------------------------------------------|------------------------------------|
| Twilight setting                             | 2 – 1000 lx                        |
| Time setting                                 | 30 s – 30 Min.                     |
| Control output, Dali                         | Broadcast 2x12 electronic ballasts |
| Constant-lighting control                    | Yes                                |
| Basic light level function                   | Yes                                |
| Basic light level function in per cent       | 10 – 50 %                          |
| Basic light level function time              | 1-30 min, all night                |
| Basic light level function percentage, from  | 10 %                               |
| Basic light level function percentage, up to | 50 %                               |
| With remote control                          | No                                 |
| Interconnection                              | Yes                                |
| IP rating                                    | IP20                               |
| Material                                     | Plastic                            |
| Ambient temperature                          | 0 – 40 °C                          |
| Colour                                       | Silver                             |
| Colour, RAL                                  | 9006                               |
| Manufacturer's Warranty                      | 5 years                            |
| Version                                      | Dali - silver                      |
| PU1, EAN                                     | 4007841033019                      |

## Accessories

|                    |                                |
|--------------------|--------------------------------|
| EAN 4007841 034146 | Adapter surround for IR/HF 180 |
| EAN 4007841 034177 | Adapter surround for IR/HF 180 |
| EAN 4007841 034153 | Adapter surround for IR/HF 180 |
| EAN 4007841 592806 | User remote control RC5        |
| EAN 4007841 559410 | Service remote control RC8     |
| EAN 4007841 009151 | Remote control Smart Remote    |

Presence Switch

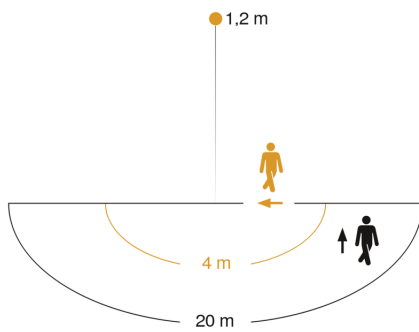
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## Detection Zone

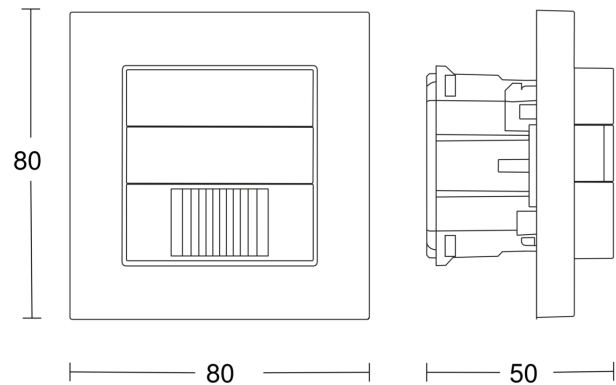


Mögliche Montagehöhe: 1,10 m – 1,20 m

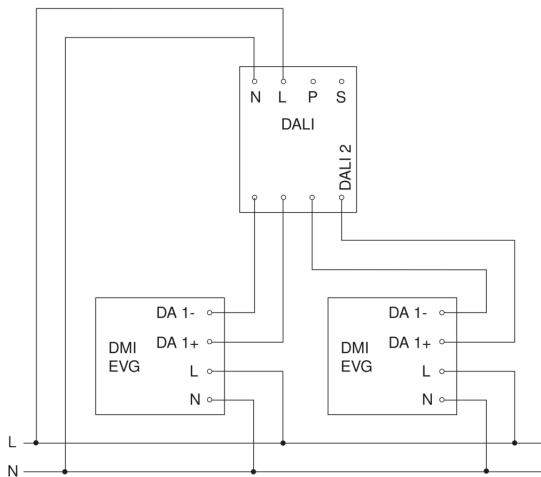
Orange: radial

Schwarz: tangential

## Dimension Drawing



## Master circuit diagram



## Master/slave interconnection circuit diagram

