

# thePrema S360-101 E UP WH

Item no.: 2070605

**theben**

## Presence and motion detectors

### Ceiling installation indoor

#### Description

- Passive infra-red presence detector for flush-mounted ceiling installation
- Square detection area 360°, 7 x 7 m, (49 m²) at mounting height 3 m
- 1 channel light (Relay, 230 V) and 1 channel presence (Relay, floating for HVAC control)
- Automatic presence- and brightness-dependent control for lighting and HVAC
- Mixed light measurement suitable for fluorescent lamps (FL/PL/ESL), halogen/incandescent lamps and LEDs
- Choice of fully or semi-automatic operation
- Adjustable brightness switching value, teach-in function
- Self-learning time delay
- Reduction of switch-off delay time in the event of short presence (brief-presence)
- Connection option for sensors or switches for manual switching with automatic recognition of sensor/switch
- Pulse function for staircase light time switch
- Channel H, presence: relay, floating e.g. for HVAC control
- Switch-on delay and switch-off delay configurable
- Room monitoring with selective movement detection
- Ready for immediate use due to factory preset
- Exceptionally easy configuration of the energy-saving behaviour with the new «eco plus» function
- Test mode for checking function and detection area
- Extension of detection area via Master/Slave or Master/Master switching, a maximum of 10 detectors can be switched in parallel with each other
- Flexible relay operating modes
- Ceiling installation in flush-mounted socket
- Ceiling installation also possible with surface-mounted frame
- User remote control theSenda S, management remote control SendoPro (optional)
- \* According to warranty terms and conditions, see [www.theben.de/en/guarantee](http://www.theben.de/en/guarantee)



5 years  
guarantee\*



Subject to technical changes and misprints

additional information at: [www.theben.de/product/2070605](http://www.theben.de/product/2070605)

The load data are determined with exemplary selected illuminants and are therefore typical data due to the large number of available products.

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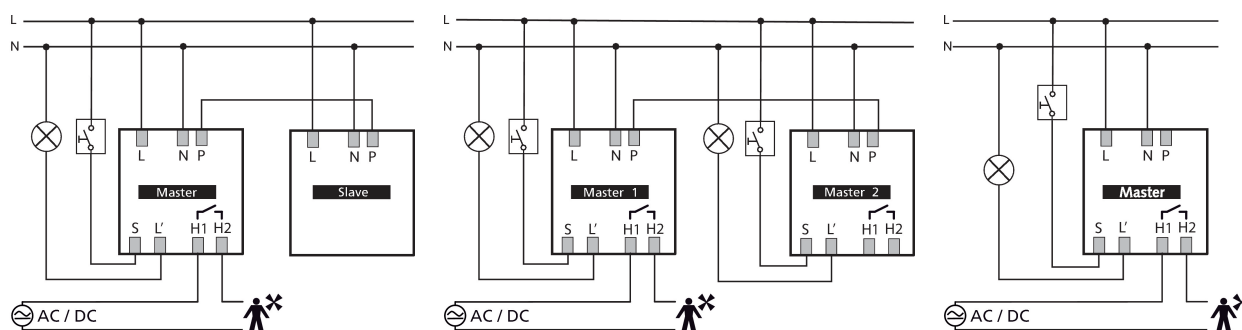
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## Technical data

| thePrema S360-101 E UP WH      |                                                                          |
|--------------------------------|--------------------------------------------------------------------------|
| Operating voltage              | 110 - 230 ± 10 % V AC                                                    |
| Frequency                      | 50 - 60 Hz                                                               |
| Installation height            | 2 - 3 m                                                                  |
| Minimum height                 | 1.7 m                                                                    |
| Installation type              | Ceiling installation, Flush-mounted                                      |
| Colour                         | White (similar RAL 9010)                                                 |
| Switching output               | Light   Presence                                                         |
| Power consumption              | ~0.1 W                                                                   |
| Light measurement              | Mixed light measurement                                                  |
| Setting range brightness       | 5 - 3000 lx                                                              |
| Light switch-off delay         | 10 s - 60 min                                                            |
| Type of contact light          | Relay 230 V / 10 A µ-contact                                             |
| Lamp types                     | Incandescent/halogen lamps, fluorescent lamps, Energy saving lamps, LEDs |
| Incandescent/halogen lamp load | 2300 W                                                                   |
| Compact and fluorescent lamps  | 1150 VA (cos φ = 0,5)                                                    |
| Inrush current                 | max. 800 A / 200 µs                                                      |
| Energy saving lamps            | 16 x 54/58 W, 24 x 35/36 W, 8 x 2 x 54/58 W, 12 x 2 x 35/36 W            |

| thePrema S360-101 E UP WH   |                                             |
|-----------------------------|---------------------------------------------|
| LED lamp < 2 W              | 60 W                                        |
| LED lamp 2-8 W              | 600 W                                       |
| LED lamp > 8 W              | 600 W                                       |
| Switch-on delay presence    | 0 s - 10 min / Room surveillance            |
| Presence switch-off delay   | 10 s - 120 min                              |
| Type of contact presence    | Relay potential-free                        |
| Switching capacity presence | 50 W / 50 VA (max. 2 A), min. 0,5 mV / 10mA |
| Type of connection          | Screw terminals                             |
| Max. cable cross section    | max. 2 x 2,5 mm <sup>2</sup>                |
| Size of concealed housing   | 55 mm                                       |
| Detection range             | 49 m <sup>2</sup> (7 x 7 m)                 |
| Detection angle             | 360°                                        |
| Ambient temperature         | 0°C ... 50°C                                |
| Impact resistance           | IK04                                        |
| Type of protection          | IP 40 (when fitted)                         |
| GWP Cradle-to-Gate (A1-A3)  | 5.36 kg CO <sub>2</sub> eq                  |
| GWP Cradle-to-Grave (A1-C4) | 9.02 kg CO <sub>2</sub> eq                  |

## Connection example



## Detection range for planning applications at a temperature of 21 °C

| Mounting height (A) | Sitting (S)                   | Walking (T)                               |
|---------------------|-------------------------------|-------------------------------------------|
| 2 m                 | 9 m <sup>2</sup>   3 m x 3 m  | 20 m <sup>2</sup>   4.5 m x 4.5 m ± 0.5 m |
| 2.5 m               | 16 m <sup>2</sup>   4 m x 4 m | 36 m <sup>2</sup>   6 m x 6 m ± 0.5 m     |
| 3 m                 | 25 m <sup>2</sup>   5 m x 5 m | 49 m <sup>2</sup>   7 m x 7 m ± 1 m       |
| 3.5 m               |                               | 64 m <sup>2</sup>   8 m x 8 m ± 1 m       |

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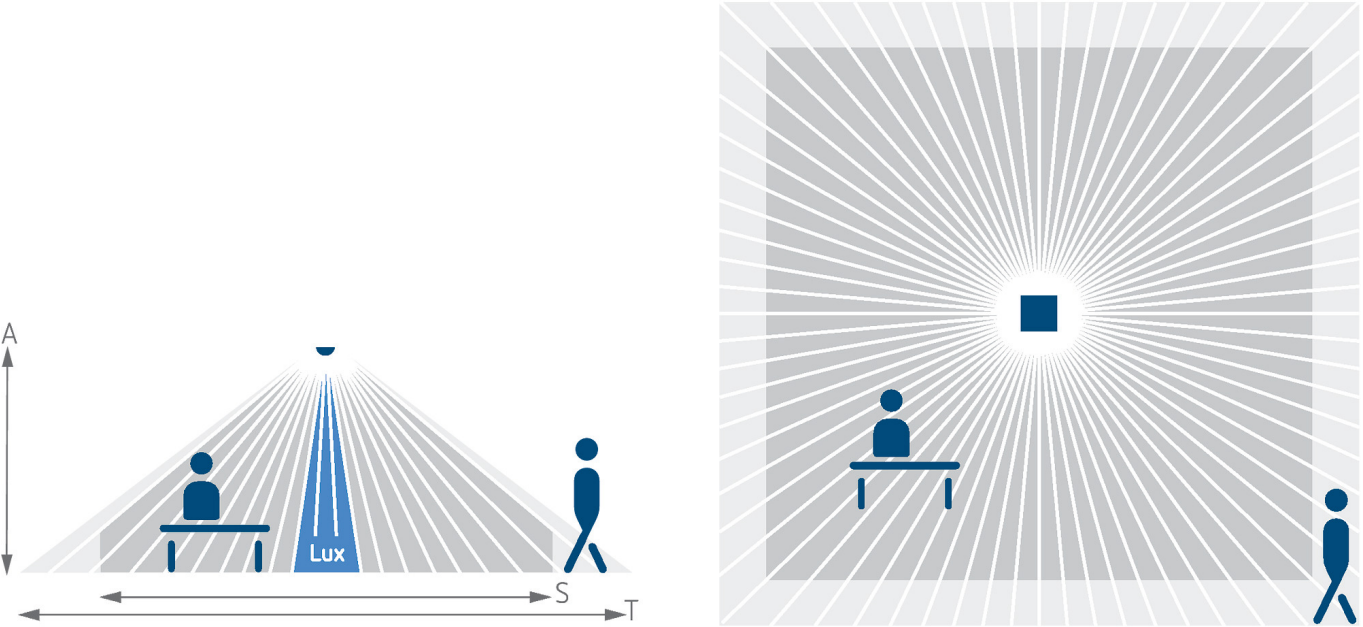
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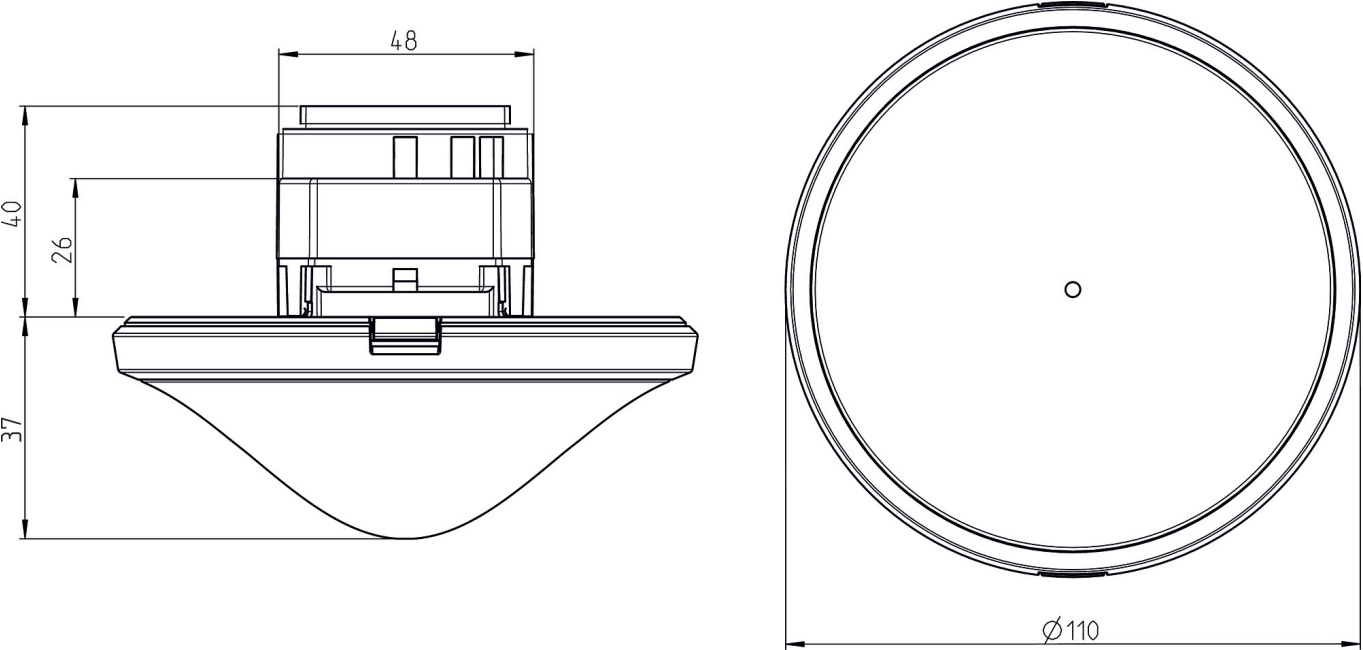
Detection range for planning applications at a temperature of 21 °C



Detection range according to Sensnorm IEC 63180

| Mounting height (A) | Diagonally (T)        | Head on to (R)        | Sitting (S)           |
|---------------------|-----------------------|-----------------------|-----------------------|
| 2.5 m               | 40 m²   6.3 m x 6.3 m | 22 m²   4.7 m x 4.7 m | 20 m²   4.5 m x 4.5 m |

Scale drawings



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## Accessories

### theSenda P

Item no.: 9070910



### theSenda S

Item no.: 9070911

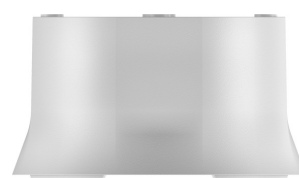


### Ceiling installation box 73A

Item no.: 9070917

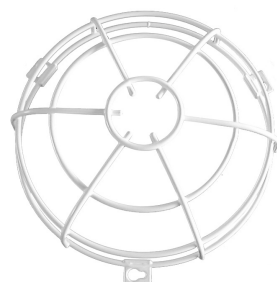
### Surface frame 110A WH

Item no.: 9070912



### QuickSafe

Item no.: 9070531



### theSenda B

Item no.: 9070985



### Ceiling installation box 68A

Item no.: 9070992



### Surface frame 110A BK

Item no.: 9070600



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