

thePrema S360-101 E UP BK

Item no.: 2070607

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



Subject to technical changes and misprints

additional information at: www.theben.de/product/2070607

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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Item no.: 2070607

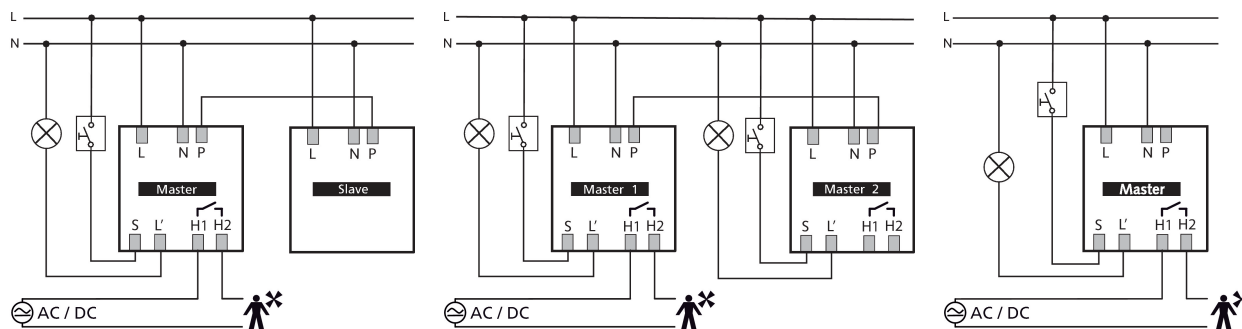
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Technical data

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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	Black (similar RAL 9005)
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

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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 ²
Size of concealed housing	55 mm
Detection range	49 m ² (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)	5.32 kg CO ₂ eq
GWP Cradle-to-Grave (A1-C4)	8.97 kg CO ₂ 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 ² 3 m x 3 m	20 m ² 4.5 m x 4.5 m ± 0.5 m
2.5 m	16 m ² 4 m x 4 m	36 m ² 6 m x 6 m ± 0.5 m
3 m	25 m ² 5 m x 5 m	49 m ² 7 m x 7 m ± 1 m
3.5 m		64 m ² 8 m x 8 m ± 1 m

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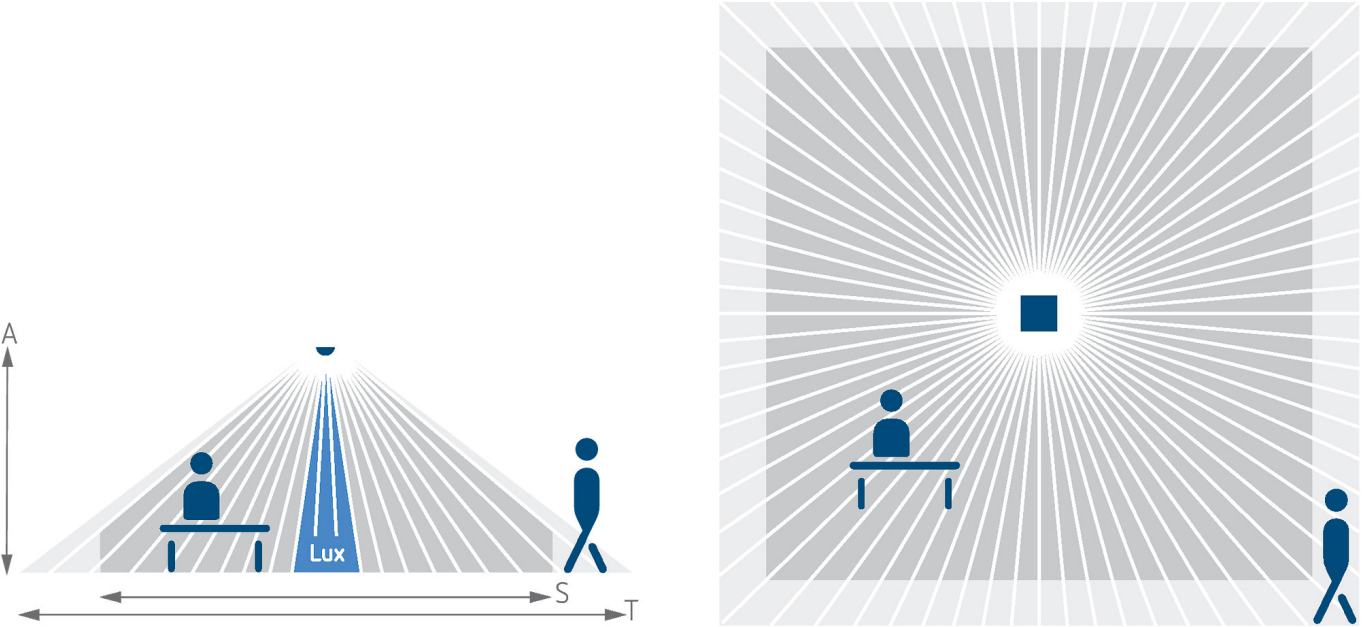
Page 2 of 4

thePrema S360-101 E UP BK

Item no.: 2070607



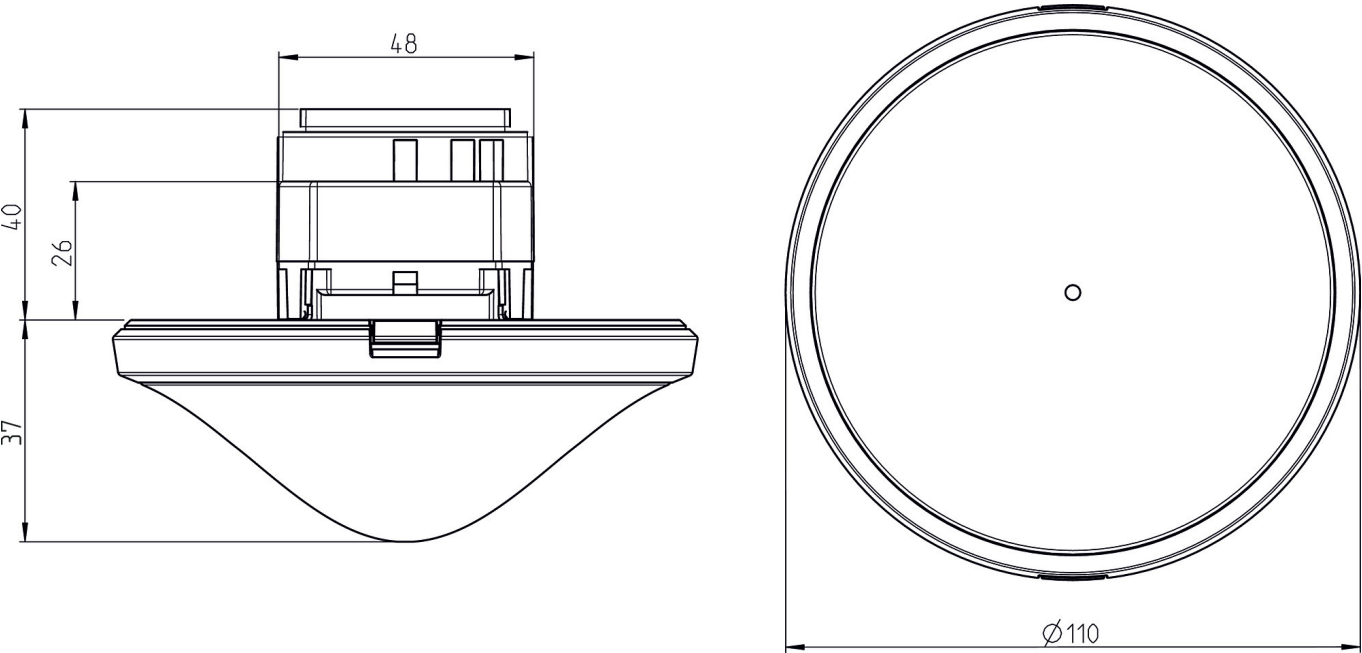
Detection range for planning applications at a temperature of 21 °C



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

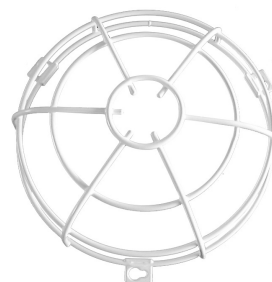


Ceiling installation box 73A

Item no.: 9070917

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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06/08/2026

Page 4 of 4