Data sheet
compact passimo KNX WH
Home and Building control
KNX

Article number: 2019280

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Description

- Presence detector (PIR)
- Mixed light measurement
- Rectangular detection area for storage areas with clear demarcation vertically below the presence detector
- Two outputs light for controlling two lighting groups
- Switching or constant light control
- Choice of fully or semi automatic operation
- Presence output for HVAC control with switch-on delay and switch-off delay
- Room monitoring with selective movement detection
- Integrated bus coupling
- QuickSet plus service remote control (optional)
- Clic user remote control (optional)
  - The switching behaviour of the presence detector is controlled by presence and light, or as required in switching or constant light control operation modes
- In the "switching" operation mode, lighting switches on with darkness and presence and off with sufficient light or when nobody is present. In the "constant light control" operation mode the sensor controls the artificial light daylight-dependent on a constant lighting level
- The self-learning switch-off delay time adjusts to occupants' behaviour
- Fully or semi-automatic: In "Fully automatic" mode, the lighting switches on and off automatically according to presence and light In "Semi-automatic" mode, it must be switched on manually and it switches off automatically
  - Manual override: Lighting or dimming can be manually controlled at any time
  - The presence detector has a mixed light measurement and is suitable for controlling the following types of lamp: Fluorescent lamps (FL/PL), halogen and incandescent lamps
  - Presence output for HVAC control : Switching behaviour is only controlled by presence
  - The switch-on delay prevents instantaneous switch on. The presence output only switches after the delay is completed
- The monitoring output works with reduced sensitivity and indicates the presence of persons with a high level of accuracy
- The brightness output makes the light information available for visualisation purposes
  - Master/slave parallel switching: Several detectors can be connected with each other to increase the detection area. The master controls lighting and HVAC. All other detectors merely provide presence information as slaves
  - Master/master parallel switching: Several detectors can be connected with each other to control several lighting groups. Every master controls its lighting group according to its own brightness measurements. Presence is detected by all the detectors
- Master or slave operating mode is selected via configuration
- Test operation mode checks the detection area and configuration
- A maximum of 10 detectors can be switched at the same time

Technical data

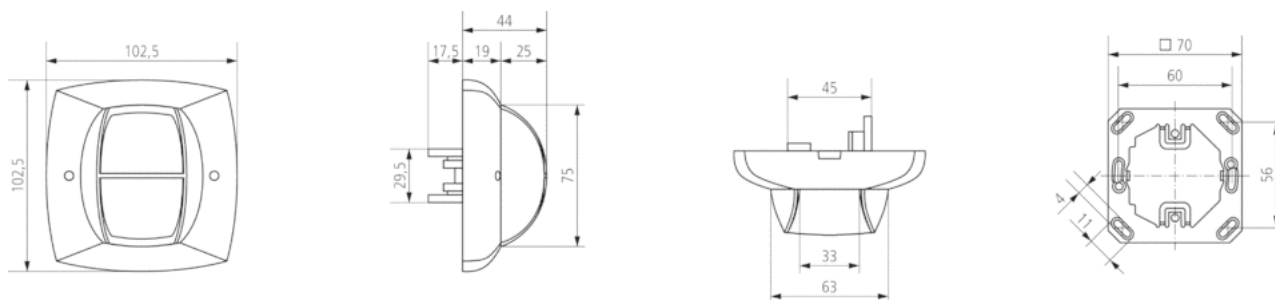|	
Operating voltage KNX	Bus voltage, ca. 8 mA
Recommended installation height	2 – 3 m
Setting range brightness	10 – 1500 lx
Detection angle	180°
Type of connection	KNX bus terminal
Installation type	Ceiling installation
Light switch-off delay	30 s-20 min
Lamps	Incandescent/halogen lamps, fluorescent lamps, energy saving lamps, LEDs

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Subject to technical changes and misprints

additional information at:
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Light measurement	Mixed light measurement
Stand-by time light	0 s – 60 min
Presence switch-off delay	30 s-120 min
Switch-on delay presence	0 s – 30 min
Ambient temperature	+0 °C … +50 °C
Type of protection	IP 40

Detection range

Mounting height (A)	Head on to (r)	Diagonally (t)
2 m	28 m² | 8 m x 3,5 m ± 1,5 m	28 m² | 8 m x 3,5 m ± 1,5 m
2,5 m	36 m² | 9 m x 4 m ± 1,5 m	44 m² | 11 m x 4 m ± 1,5 m
3 m	45 m² | 10 m x 4,5 m ± 1,5 m	68 m² | 15 m x 4,5 m ± 1,5 m
3,5 m	50 m² | 10 m x 5 m ± 1,5 m	75 m² | 15 m x 5 m ± 1,5 m
4 m	50 m² | 10 m x 5 m ± 2 m	75 m² | 15 m x 5 m ± 2 m
4,5 m	50 m² | 10 m x 5 m ± 2 m	75 m² | 15 m x 5 m ± 2 m
5 m	50 m² | 10 m x 5 m ± 2,5 m	75 m² | 15 m x 5 m ± 2,5 m
6 m	50 m² | 10 m x 5 m ± 2,5 m	75 m² | 15 m x 5 m ± 2,5 m

Scale drawings

Accessories

Surface frame compact
- Article number: 9070514
  Details ▶ www.theben.de

Ceiling installation box 73A
- Article number: 9070917
  Details ▶ www.theben.de

QuickSet plus
- Article number: 9070532
  Details ▶ www.theben.de

clic
- Article number: 9070515
  Details ▶ www.theben.de

QuickSafe
- Article number: 9070531
  Details ▶ www.theben.de

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