

SCN-KP360K301.03

KNX Combi-Presence Detector 360° with room climate sensors, Pure White matt finish



Product description:

The MDT Combi-Presence Detector 360° is designed for ceiling installation in an installation box. Movements are detected in a diameter of up to 11 m, presence in a diameter of up to 5 m. The indoor environment is monitored with additional sensors for temperature, humidity, CO₂ and VOC mixed gas concentration. The quality of the air can be displayed directly on the presence detector using an air quality status indication light and RGB LEDs or output via objects.

Product functions:

- Intelligent constant light control for up to 3 rows of luminaires
- **Sensors for CO₂ and VOC mixed gas concentration, relative humidity and temperature**
- Upper and lower threshold value selectable per measured value
- **Air quality visualisation via internal RGB LED**
- **Air quality status indication light for CO₂ or VOC concentration with 4 colour channels and adjustable output objects (1-bit / scenes / RGB / HSV)**
- 360° angle of detection, Range Ø 11 m, Presence Ø 5 m
- 1 HVAC- and 1 Alarm-/ message object
- **Selectable trigger- and presence sensitivity for day, night and Alarm**
- **Short-term presence to reduce the follow up time**
- Blocking- and forced operation with release time
- **Air quality control function selectable as step-/ PI-controller for CO₂-/ or VOC-sensor**
- **Integrated room temperature controller with settable control parameters and externally adjustable setpoint value**
- 3 year warranty

Technical data:

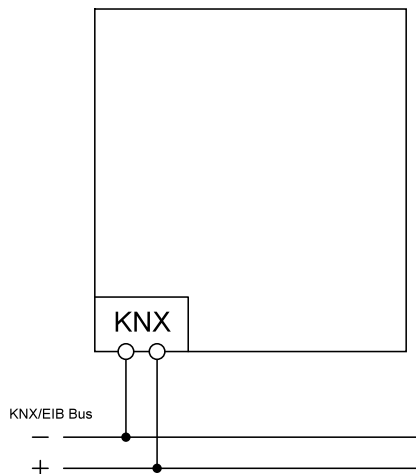
Device	Device type	SCN Presence Detector	
	Article Number	SCN-KP360K301.03	
	EAN / GTIN	4251916113889	
	Colour	Pure White, matt finish	
	Diameter	100 mm	
	Depth	44 mm	
	Weight, gross (incl. packaging)	0.094 kg	
	Protection classification	IP20	
	Installation type	Flush mounted *1	
	Included carrying ring	Carrying ring A	
	Recommended installation height	2 ... 4 m	
	Weight, net	0.054 kg	
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	Operation	Number of LEDs	1 x RGB (status) 1 x white (night light)
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Inputs	Number of sensors	3	
	Dynamic range	5 ... 1000 Lux	
	Range Ø	11 m ^{*2}	
	Presence Ø	5 m	
	Horizontal angle of coverage	360°	
	Adjustable sensitivity	10 steps	
	Measuring range for CO2 concentration	400 ... 5000 ppm ^{*3}	
	Measuring range for VOC concentration	0 ... 500 IAQ (Index for air Quality)	
	Measuring range for temperature	0 ... 40 °C	
	Measuring range for relative humidity	0 ... 95 % ^{*4}	
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Outputs	Constant light control	Yes, up to 3 light bands	
	Number of integrated temperature controllers	1	
	Room temperature control range	7 ... 35 °C	
	Temperature range for messages	3 ... 45 °C	
	Orientation light function	Yes	
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KNX	Nominal voltage KNX	30 V DC SELV	
	Voltage range KNX	21 ... 31 V DC SELV	
	Typical power consumption KNX bus	< 0,5 W	
	KNX Medium	TP-256 with long frame support	
	KNX Application	as of ETS 5 (latest)	

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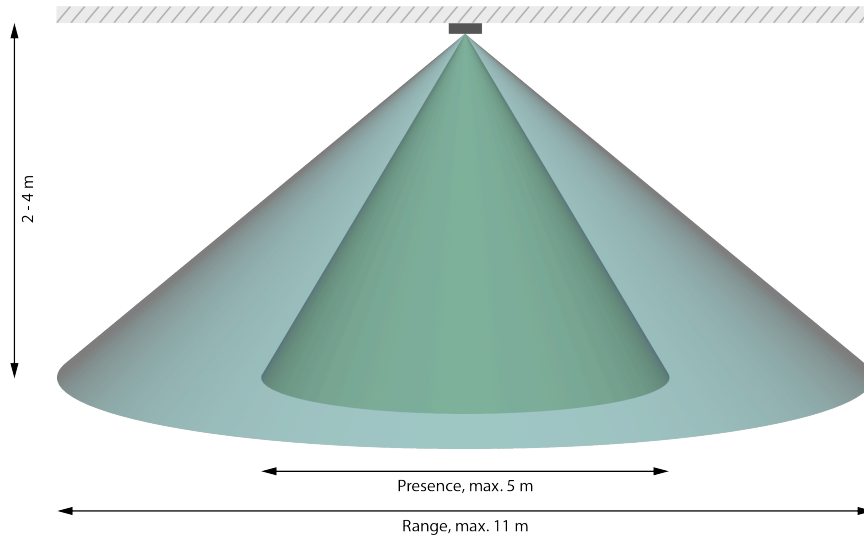
Environmental conditions	Ambient operating temperature	0 ... 40 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Air humidity (permanent)	20 ... 80 %
	Air humidity (short-term)	0 ... 95 %
	Condensation permissible	No
Connections	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

- *1 Ceiling installation in an installation box with the provided carrying ring.
- *2 At the maximum mounting height of 4 m.
- *3 Not suitable for safety-relevant gas measurements.
- *4 Avoid condensation.

Wiring diagram:



Detection range and presence:



Dimensional drawing:

