

SENSOR & DETECTOR - COMING SOON

KNX Ceiling Type Presence Detector



MAIN FEATURES

1. 3 different products in same casing.
 - Presence detector with air quality function. (Have air flow window for better sensing)
 - Presence detector without air quality measurement function.
 - Presence detector without temperature, humidity and air quality measurement function.
2. PIR sensor on product has moving lens and shade ring for better field of view adjustment.
3. There is a light carrier rods from circuit board to outside of case for ambient light sensor.
4. Mixed light measurement suitable for fluorescent (FL/PL/ESL), halogen/incandescent lamps and LEDs.
5. KNX button of product is under the front cover for easy access.
6. Product has a flush mounted installation in ceilings with wall box or clamps.

FUNCTIONAL SPECIFICATIONS

Device has 3 main and 1 additional function groups:

1. Presence Detection
 - Lightning & HVAC control based on presence.
2. On-Off Light Control
 - Lightning control based on brightness.
3. Constant light control
 - Lightning control based on brightness set value.
4. Brightness, Temperature, Humidity and Air Quality Measurements.
 - Brightness measurement from 1 to 3000 lux
 - Temperature measurement from 0°C to 45°C
 - Relative humidity from %0 to %100
 - Equivalent carbondioksit from 400ppm to 8192ppm. Measures volatile organic compounds and calculating the equivalent CO2 level.

Functional specifications are detailed below in ETS parameters and communication objects.

TECHNICAL DATA

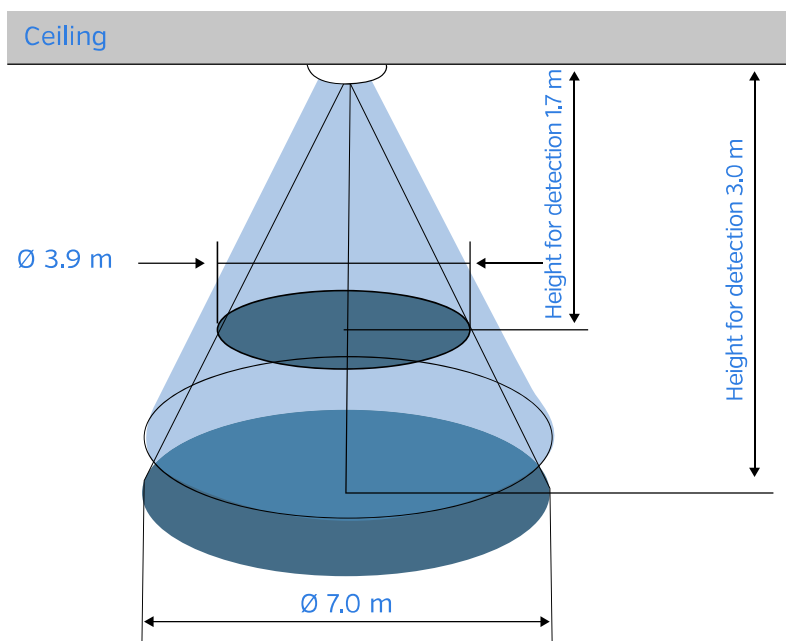
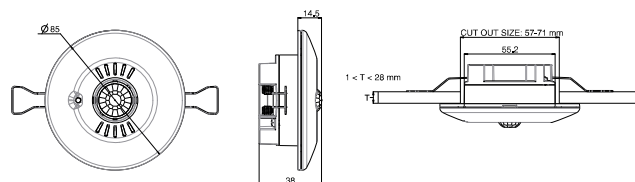
	KNX Ceiling Type Presence Detector
Supply voltage	21 ... 32 V DC via KNX Bus
Operating temperature	-5 °C... + 45°C
Type of protection	IP 20 to EN 60529
Safety class	III to IEC 60664-1
Presence, detection range	Up to Ø8m
Detectable movement speed	0,3 m/s ~ 1,0 m/s
Detectable temperature difference	More than 4 °C

Product Version	Features
KNX Ceiling Type Presence Detector A100	PIR Sensor
KNX Ceiling Type Presence Detector A100-T	PIR, Temperature and Humidity Sensor
KNX Ceiling Type Presence Detector A100-TA	PIR, Temperature, Humidity and Air Quality Sensor

■ PRODUCT CODES

	PRODUCT CODES
KNX Ceiling Type Presence Detector A100	WRKT32005NC
KNX Ceiling Type Presence Detector A100-T	WRKT32015NC
KNX Ceiling Type Presence Detector A100-TA	WRKT32025NC

■ DIMENSIONS



- The scope of detection is different depending on the height of the ceiling (Unit:m)

Ceiling height	2.4	3.7
Guideline height for detection scope setting	1.7	3.0
Diameter of detection scope	Ø 3.9	Ø 7.0

Remark: The standard of appropriate height is 70 cm from floor or height from floor to hand of human for detection.