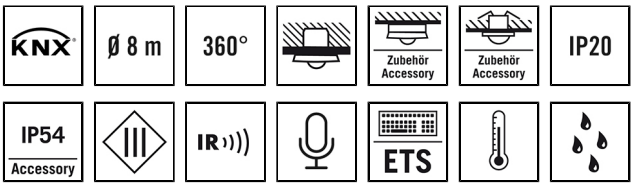
DATA SHEET

PD-ATMO 360i/8 A KNX

Item number	GTIN
EP10427206	4015120427206

5 YEARS MANUFACTURER WARRANTY



Product description

- **KNX** recessed ceiling-mounted presence detector with **360° field of detection**
- **Range of up to 8 m** in the diameter at a recommended installation height of 3 m
- **In-built acoustic sensor** perfect for use in areas with a complex layout
- Additional measurement of the ambient temperature and relative humidity
- For use in KNX (EIB), TP (twisted pair) bus system in conjunction with other KNX components
- Parameter and function settings via ETS (Engineering Tool Software)

Offers special product features like:

- Sensor devices: Humidity, temperature, acoustics, light, presence
- Presence and daylight dependent constant light control
- KNX functions: Alarm via object, twilight switch (one object), brightness detection via object, light-dependent motion detection, scene telegram via object, night-light feature (seven colours available)

Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
Included in delivery	Includes lens mask
User interface	IR remote control, ETS-Software
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years

ATTACHMENT	
Installation type	Recessed mounting / device box Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 24 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	0.60 – 0.80 mm²
Number of contacts	4

HOUSING	
Dimensions	Height/Depth 38 mm, Ø 108 mm
Weight	162 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Permissible ambient temperature	5 °C...+35 °C
Relative humidity	5 - 93 %, non-condensing
Colour	white, similar to RAL 9010

ELECTRICAL VERSION	
Control system	KNX
Protection class	III
Nominal voltage	29 - 31 V DC
Power consumption	0.2 W
Power consumption	6 mA
Stand-by consumption	< 0.3 W

SENSORS	
Detection angle	360°
Detection range diagonally	Ø 8 m
Detection range head-on	Ø 6 m
Detection range presence	Ø 4 m
Field of detection	up to 50 m²
Recommended installation height	3 m
Max. mounting height	5 m
Light measurement	mixed light
Level of brightness	5–2000 lx

CHANNELS (LIGHTING / HVAC)	
Number of light channels	2
Number of HVAC-channels	1
Push button input lighting	2
Push button input HVAC	✓
Slave input	✓
Mode	Semi-automatic, Fully automatic
Switching delay from "dark to light"	300 s
Switching delay from "light to dark"	30 s
Constant light control	✓
Sensitivity configurable	✓
KNX input	manual light control, block objects, reset, slave
KNX output	presence, status, light value, HVAC

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KNX functions	Presence simulation, Constant lighting control, Manual override, Master- / slave-toiminto, Night-light feature, Sensitivity configurable, Sends a telegram at regular intervals
Channel	**C1** Lighting
Function	Switching, Regulate
Switch contact	Bus system
Push button input	–
Impulse mode	–
Switch-off delay time	30 s...720 min (adjustable in steps)
Orientation light	disabled/10 - 50 %, 2 values can be selected
Switch-off delay time, orientation light	60 s...250 min
Channel	**C2** Lighting
Function	Switching, Regulate

Offset setting	c2 offset from c1 (-100 % to +100 %)
Switch contact	Bus system
Push button input	–
Impulse mode	–
Switch-off delay time	10 s...60 min (adjustable in steps)
Orientation light	disabled/10 - 50 %, 2 values can be selected
Switch-off delay time, orientation light	60 s...250 min
Channel	**C3** HVAC
Function	Switching
Switch contact	Bus system
Push button input	–
Switch-on delay	120 s...30 min
Impulse mode	–
Switch-off delay time	60 s...720 min (adjustable in steps)

Factory settings

GENERAL	
Sensitivity	90 %
Orientation light ON	–
Orientation light, depending on brightness	✓
Switching threshold for orientation light	500 lx
Deviation (%)	0 %
Luminous efficiency switch-on value	60 %

CHANNELS (LIGHTING / HVAC)	
Channel	**C1** Lighting
Operating mode	fully automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	5 min
Luminous efficiency of orientation light	10 %
Channel	**C2** HVAC
Operating mode	fully automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	60 min
Luminous efficiency of orientation light	25 %

Accessories

Product designation	Item number	Product description	GTIN
Mounting			
COMPACT MOUNTING BOX IP20 SM WH	EP10425370	Surface-mounted box for COMPACT series, IP20, white	4015120425370
COMPACT MOUNTING BOX IP54 SM WH	EP10425905	Surface-mounted box for COMPACT series, IP54, white	4015120425905
MOUNTING SET IP20 FM 62 WH	EP10425929	Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm	4015120425929
Protection			
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm,	4015120425608
BASKET GUARD ROUND SMALL	EM10425615	Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm,	4015120425615
Remote control			
REMOTE CONTROL PDi/USER	EM10425547	IR remote control for end users of presence detectors	4015120425547
TELESCOPE MAGNET	EC10430022	Telescope magnet	4015120430022

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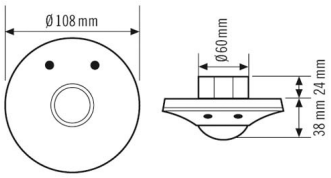
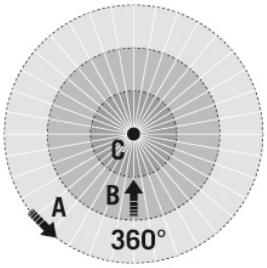
Dimension drawing



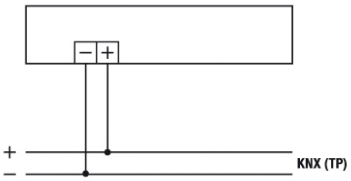
Field of detections



Detection range

Diagonally (A)	Ø 8 m
Frontal (B)	Ø 6 m
Presence area (C)	Ø 4 m

Circuit diagram



Standard operation