

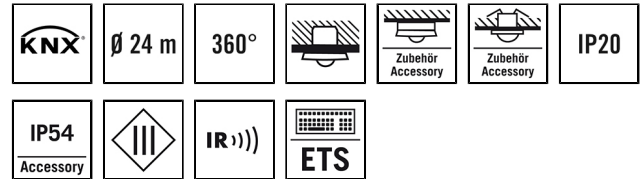
## PD-C 360i/24 KNX UP

**Item number** EP10427428  
**GTIN** 4015120427428



### Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
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 mm <sup>2</sup>
HOUSING	
Dimensions	Height/Depth 70 mm, Ø 108 mm
Weight	42 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Permissible ambient temperature	5 °C...+50 °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



### Product description

- **KNX** recessed ceiling-mounted presence detector with **360° field of detection**
- **range of up to 24 m** in the diameter at a recommended installation height of 3 m for **high-comfort applications**
- 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)
- Switching function makes it ideal for use in **areas with ceilings of up to 10 m** such as sports halls and warehouses

### Offers special product features like:

- Presence and daylight dependent constant light control
- KNX functions: Alarm, twilight switch, brightness detection, light-dependent motion detection, snooze function, scene telegram via object

Power consumption	6 mA
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SENSORS	
Detection angle	360°
Detection range diagonally	Ø 24 m
Detection range head-on	Ø 11 m
Detection range presence	Ø 8 m
Field of detection	up to 453 m <sup>2</sup>
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
KNX functions	Presence simulation, Manual override, Master- / slave-toiminto, Night-light feature,

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	Sensitivity configurable, Sends a telegram at regular intervals
Channel	<b>C1</b> 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	<b>C2</b> Lighting
Function	Switching, Regulate

Offset setting	c2 offset from c1 (-50 % to +50 %)
Switch contact	Bus system
Push button input	–
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	<b>C3</b> HVAC
Function	Switching
Push button input	–
Switch-on delay	120 s...30 min
Switch-off delay time	30 s...720 min (adjustable in steps)

### Factory settings

GENERAL	
Sensitivity	100 %
Orientation light ON	–
Orientation light, depending on brightness	✓
Switching threshold for orientation light	500 lx
Deviation (%)	0 %
Luminous efficiency switch-on value	60 %

Operating mode	fully automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	5 min
Luminous efficiency of orientation light	10 %
Channel	<b>C2</b> Lighting
Operating mode	fully automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	5 min
Luminous efficiency of orientation light	25 %

### CHANNELS (LIGHTING / HVAC)

Channel	<b>C1</b> Lighting
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### Accessories

Product designation	Item number	Product description	GTIN
<b>Cover</b>			
COMPACT COVER SET 24/32 SR	EP10425431	Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, silver	4015120425431
COMPACT COVER SET 24/32 BK	EP00007491	Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, black	4015120007491
<b>Mounting</b>			
COMPACT MOUNTING BOX IP20 SM WH	EP10425370	Surface-mounted box for COMPACT series, IP20, white	4015120425370
COMPACT MOUNTING BOX IP20 SM SR	EP10425387	Surface-mounted box for COMPACT series, IP20, silver	4015120425387
COMPACT MOUNTING BOX IP54 SM WH	EP10425905	Surface-mounted box for COMPACT series, IP54, white	4015120425905
COMPACT MOUNTING BOX IP54 SM SR	EP10425912	Surface-mounted box for COMPACT series, IP54, silver	4015120425912
MOUNTING SET IP20 FM 62 WH	EP10425929	Recessed ceiling mounting set includes installation bracket and dust-protected box, 62 mm	4015120425929
COMPACT MOUNTING BOX IP54 SM BK	EP10426940	Surface-mounted box for COMPACT series, IP54, black	4015120426940
COMPACT MOUNTING BOX IP20 SM BK	EP10426933	Surface-mounted box for COMPACT series, IP20, black	4015120426933
<b>Protection</b>			
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

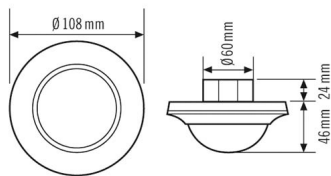
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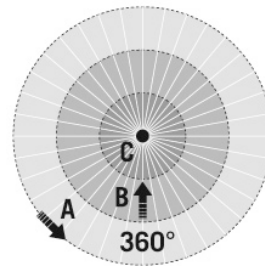
### Accessories

Product designation	Item number	Product description	GTIN
<b>Remote control</b>			
ESY-Pen	EP10425356	ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management	4015120425356
REMOTE CONTROL PDi/USER	EM10425547	IR remote control for end users of presence detectors	4015120425547

### Dimension drawing



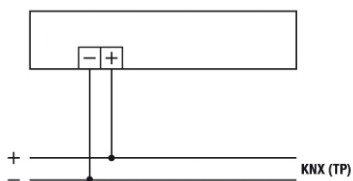
### Field of detections



### Detection range

Diagonally (A)	Ø 24 m
Frontal (B)	Ø 11 m
Presence area (C)	Ø 8 m

### Circuit diagram



Standard operation