

PD-C 180i/16 Touch KNX

Item number EP10460104
GTIN 4015120460104



Product description

- KNX Presence detector with 180° field of detection for wall mounting
- Simple touch operation by contact on the smoke alarm
- range of up to 16 m in the diameter at a recommended installation height of 1.1 - 2.2 m
- In-built acoustic sensor perfect for use in areas with a complex layout
- 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)

Technical data

GENERAL	
Device category	Wall-mounted presence detector
Special product features	Lens lighting, choice of 7 colours
User interface	IR remote control, ETS-Software
Remote controllable	✓
Conformity	CE, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting
Installation position	Wall
Installation dimension	Installation depth: 25 mm, ∅ 60 mm
Type of connection	Push terminal
Connectable wire cross section	0,60 - 0,80 mm ²
HOUSING	
Dimensions	Length 70 mm x Width 70 mm x Height/Depth 55 mm
Weight	51 g
Material	UV-stabilised polycarbonate
Protection type	IP40, IP44 depending on cover (order separately)
Permissible ambient temperature	5 °C...+50 °C
Relative humidity	5 - 93 %, non-condensing
Colour	white, similar to RAL 9010
ELECTRICAL VERSION	
Protection class	III
Nominal voltage	29 - 31 V
Power consumption	0,2 W

Power consumption	6 mA
SENSORS	
Detection angle	180° horizontal, 60° vertical
Detection range diagonally	∅ 16 m
Detection range head-on	∅ 12 m
Detection range presence	∅ 8 m
Field of detection	up to 101 m ²
Recommended installation height	1,1 m
Max. mounting height	2,2 m
Light measurement	mixed light
CONTROL	
Number of light channels	2
Number of HLK-channels	1
Push button input lighting	1
Push button input HVAC	✓
Slave input	✓
Mode	Semi-automatic, Fully automatic
Konstantlichtregelung	✓
KNX input	manual light control, block objects, slave
KNX output	presence, status, light value, HVAC
KNX functions	Presence simulation, Manual override, Master/slave-function, Night-light feature, Sensitivity configurable, Sends a telegram at regular intervals
Channel 1	Lighting
Interface	Switching/Dimming
Contact	Bus system
Push button input channel 1	–

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Switch-off delay channel 1	30 s...30 min
Orientation light	disabled/0 - 50 %, 2 values can be selected
Switch-off delay time, orientation light	only in controlling modus: continuous lighting/1 min - 250 min
Turn-on delay	disabled/2 min - 30 min
Orientation light	disabled/0 - 50 %, 2 values can be selected
Switch-off delay time, orientation light	only in controlling modus: continuous lighting/1 min - 250 min
Function	Switching
Switch-on delay channel 3	disabled/2 min - 30 min
Time setting channel 3	disabled/10 sec./1 min.-60 min.

Bus voltage	29-31 V = (KNX)
KNX input	manual light control, block objects, slave
KNX output	presence, status, light value, HVAC
Sensitivity configurable via ETS	yes
Sends a telegram at regular intervals	yes
Master/slave function	✓
Presence simulation	✓
Manual override	yes
Night-light feature	yes
Light channel	c1 + c2 switching/dimming, c2 offset from c1 (-50 % to +50 %)

Accessories

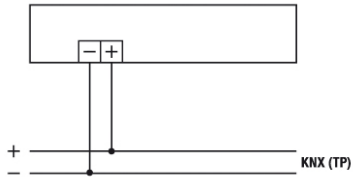
Product designation	Item number	GTIN
ESY-Pen	EP10425356	4015120425356
COVER IP20 WH	EM10055102	4015120055102
COVER IP20 SWH	EM10055119	4015120055119
COVER IP20 CWH	EM10055126	4015120055126
COVER IP20 AN	EM10055133	4015120055133
COVER IP20 SR	EM10055140	4015120055140
COVER ELK RS/PLUS IP20 WH	EM10055270	4015120055270
COVER SEL Trend IP20 WH	EM10055287	4015120055287
COVER SEL EXX IP20 WH	EM10055294	4015120055294
COVER IP44 WH	EM10055157	4015120055157
COVER BER S1 IP20 PWH	EP10427107	4015120427107
COVER BER S1 IP20 WH	EP10427114	4015120427114
COVER BER MOD2 IP20 PWH	EP10427121	4015120427121
COVER BUJ REF IP20 WH	EP10427145	4015120427145
COVER GIR S55 IP20 WH	EP10427169	4015120427169
COVER GIR S55 IP20 CWH	EP10427176	4015120427176
MOUNTING BOX IP44 SM WH	EM10055164	4015120055164
REMOTE CONTROL PDi/USER	EM10425547	4015120425547

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Scale drawing	Field of detections	Detection range	
		<p>■ Diagonally (A)</p>	<p>Ø 16 m</p>
		<p>■ Frontal (B)</p>	<p>Ø 12 m</p>
		<p>■ Presence area (C)</p>	<p>Ø 8 m</p>

Circuit diagram



Standard operation