DATA SHEET

ESYLUX

PD-C 360i/8 mini KNX

Item number	GTIN
EP10426155	4015120426155



5 YEARS MANUFACTURER WARRANTY

Ø 8 m | 360° | KNX | IP55 | 2 CH | 1 CH | IR

Product description

- **KNX** Mini presence detector with **360° field of detection** for recessed ceiling mounting
- **range of up to 8 m** in the diameter at a recommended installation height of 3 m
- 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:

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

Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
Product information	Mounting position: Keep a safe distance of 5 m from radio antennas (e.g. WiFi access points).
Included in delivery	includes lens mask, spring installation clips, clamping installation ring
User interface	IR remote control, ETS-Software
Remote controllable	✓
Conformity	CE, EAC, RoHS, SundaHus, WEEE
Warranty	5 years

ATTACHMENT	
Installation type	Recessed mounting
Installation position	Ceiling
Installation dimension	Installation depth: 45 mm, Ø 25 mm
Type of connection	Push terminal
Connectable wire cross section	0.6 – 0.8 mm²

HOUSING	
Dimensions	Height/Depth 60 mm, Ø 33 mm
Weight	61 g
Material	UV-stabilised polycarbonate
Protection type	IP55
Permissible ambient temperature	5 °C...+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	opal matt

ELECTRICAL VERSION	
Control system	KNX
Protection class	III
Nominal voltage	29 – 31 V DC
Power consumption	0.2 W
Power consumption	6 mA

SENSORS	
Detection angle	360°
Detection range diagonally	Ø 8 m
Detection range head-on	Ø 5 m
Detection range presence	Ø 3 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	1
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, 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
Channel	**C2** Lighting

Function	Switching, Regulate
Offset setting	c2 offset from c1 (-80 % to +80 %)
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	**C3** HVAC
Function	Switching
Push button input	–
Switch-on delay	120 s...30 min
Switch-off delay time	10 s...720 min (adjustable in steps)

Factory settings

GENERAL	
Sensitivity	100 %
Orientation light ON	–
Orientation light, depending on brightness	✓
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

Accessories

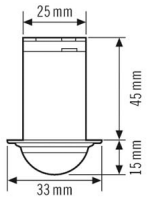
Product designation	Item number	Product description	GTIN
Adapter			
COMPACT MINI SPOTLIGHT ADAPTER 51/25	EP10426391	Adapter for COMPACT MINI (8 m and 12 m) series for installing motion and presence detectors in spotlights (illuminant size QR-CBC51-Ø 51 mm) with retaining ring	4015120426391
Remote control			
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
TELESCOPE MAGNET	EC10430022	Telescope magnet	4015120430022

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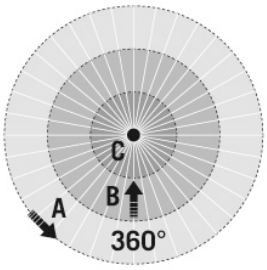
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Dimension drawing



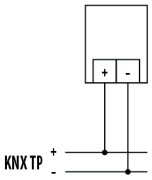
Field of detections



Detection range

Diagonally (A)	Ø 8 m
Frontal (B)	Ø 5 m
Presence area (C)	Ø 3 m

Circuit diagram



Standard operation.

Detailed product description

- **KNX** Mini presence detector with **360° field of detection** for recessed ceiling mounting
- **range of up to 8 m** in the diameter at a recommended installation height of 3 m
- 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)
- Manual, temporary switching/dimming via user remote control
- Communication objects (full listing of communication objects at www.esylux.com)
  - Constant light control or switching
  - Heating, ventilation and air conditioning (HVAC)
  - Block object for heating, ventilation and air conditioning (HVAC)
  - Light value output (2 byte)
  - Status report
  - Presence output (Heating, ventilation and air conditioning) HVAC
  - Can be used as "master" or "slave"
  - KNX button control for light channels
  - Fully automatic or semi-automatic
  - 2 light values selectable for orientation light 10 % - 50 %
  - Test mode
  - Correction factor for interior lighting
  - Night-light feature
- Targeted masking out of areas by means of an enclosed lens mask