DATA SHEET

ESYLUX

PD-C 360i/8 DUO DALI

Item number	GTIN
EP10427442	4015120427442

Ø 8 m	360°	DALI	IP20	2 CH	2 CH

Product description

- Presence detector with **360° field of detection** for ceiling mounting
- **Range of up to 8 m** in the diameter at a recommended installation height of 3 m
- Automatic light control by DALI or DALI-2 control gear to a **constant brightness level** depending on presence and daylight

Offers special product features like:

- Presence and daylight dependent constant light control
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App
- Broadcast control of DALI and DALI-2 control gear

5 YEARS MANUFACTURER WARRANTY

Technical data

GENERAL

Device category	Ceiling-mounted presence detector
Product information	Broadcast control of DALI and DALI-2 control gearMounting position: Keep a safe distance of 5 m from radio antennas (e.g. WiFi access points).
Included in delivery	Includes lens mask
User interface	IR remote control with "blue mode" technology
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years

ATTACHMENT

Installation type	Flush-mounted/Device socket Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 24 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	1.5 – 2.5 mm²

HOUSING

Dimensions	Height/Depth 62 mm, Ø 108 mm
Weight	134 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Protection type with accessory	IP54 with surface-mounted box (order separately)
Permissible ambient temperature	-25 °C...+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	white, similar to RAL 9010

ELECTRICAL VERSION

Control system	DALI

Protection class	II
Nominal voltage	230 V ~ / 50 Hz
Output current	100 mA
Power consumption	0.6 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	100 – 2000 lx

CHANNELS (LIGHTING / HVAC)

Number of light channels	2
Number of HVAC-channels	2
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	✓
Channel	**C1** Lighting
Function	Switching, Regulate, Dimming, Broadcast

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Switch contact	Bus system, 50 mA, max. 25 driver		Channel	**C3** with accessory (ACTUATOR FULL AUTO C3 DALI)
Push button input	✓		Function	Switching
Impulse mode	–		Switching capacity	10 A (12 V DC / 230 V AC)
Switch-off delay time	60 s…240 min (adjustable in steps)		Switch contact	make contact / floating
Orientation light	10 – 50 % luminous efficiency		Push button input	✓
Switch-off delay time, orientation light	60 s…240 min		Switch-off delay time	60 s…120 min (adjustable in steps)
Channel	**C2** Lighting		Channel	**C4** with accessory (ACTUATOR SEMI AUTO C4 DALI)
Function	Switching, Regulate, Dimming, Broadcast		Function	Switching
Switch contact	Bus system, 50 mA, max. 25 driver		Switching capacity	10 A (12 V DC / 230 V AC)
Push button input	✓		Switch contact	make contact / floating
Switch-off delay time	60 s…240 min (adjustable in steps)		Push button input	✓
Orientation light	10 – 50 % luminous efficiency		Switch-off delay time	60 s…120 min (adjustable in steps)
Switch-off delay time, orientation light	60 s…240 min			

Factory settings

GENERAL

Sensitivity	100 %
Afterglow luminous efficiency	10 %
Afterglow duration	1 min
Orientation light ON	–
Orientation light, depending on brightness	✓
Switching threshold for orientation light	500 lx
Deviation (%)	0 %
Luminous efficiency switch-on value	10 %

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 %
Duration of switch-off warning	300 s
Channel	**C2** Lighting
Operating mode	Semi-automatic
Level of brightness/switching threshold	500 lx
Switch-off delay time	5 min
Luminous efficiency of orientation light	10 %
Duration of switch-off warning	300 s

Accessories

| Product designation	Item number	Product description	GTIN
Ceiling-mounted presence detector			
PD-C 360/8 Slave	EP10055379	Slave presence detector for extending the field of detection of a Master presence detector	4015120055379
PD-C 360/24 Slave	EP10055386	Slave presence detector for extending the field of detection of a Master presence detector	4015120055386
PD-C 360/32 Slave	EP10427770	Slave presence detector for extending the field of detection of a Master presence detector	4015120427770
Cover			
COMPACT COVER SET 8 SR	EP10425936	Cover set for COMPACT series, 8 m, consists of cover and design ring, stainless steel appearance, similar to RAL 9006	4015120425936
COMPACT COVER SET 8 BK	EP00007521	Cover set for COMPACT series, 8 m, consists of cover and design ring, black	4015120007521
Electrical accessories			
ACTUATOR FULL AUTO C3 DALI	EP10427473	Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic)	4015120427473
ACTUATOR SEMI AUTO C4 DALI	EP10427480	Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic)	4015120427480

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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 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
COMPACT APC MOUNTING BOX IP20 SM WH	EP10426278	Surface-mounted box IP20 for COMPACT APC DALI-2	4015120426278
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			
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 DALI	EP10425899	IR remote control for DALI presence detectors and motion detectors	4015120425899
REMOTE CONTROL PDi/USER	EM10425547	IR remote control for end users of presence detectors	4015120425547

Dimension drawing

Ø 108 mm, Ø 60 mm, 38 mm, 24 mm
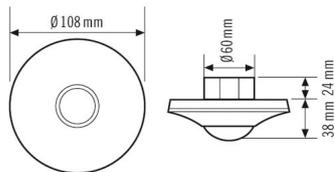
Field of detections

360°
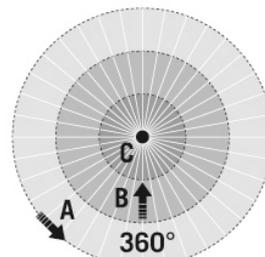
Detection range

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

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Circuit diagram
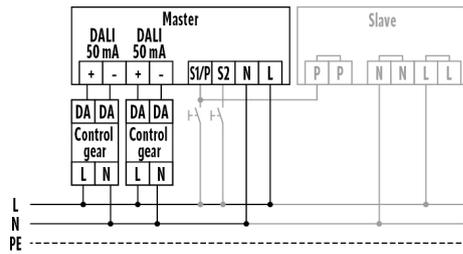
Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

Detailed product description

- Presence detector with **360° field of detection** for ceiling mounting
- **Range of up to 8 m** in the diameter at a recommended installation height of 3 m
- Automatic light control by DALI or DALI-2 control gear to a **constant brightness level** depending on presence and daylight
- Default settings ensure immediate operability
- Simple programming using remote control with "blue mode" technology
- Remote control can be deactivated (sabotage protection)
- Additional push button input per channel
- Detector can be used as a fully automatic or semi-automatic device
- Lowering of the luminous efficiency after expiration of the time setting for use as an orientation light for hallways and passageways, adjustable between 10 - 50%
- Integrated switch-off warning
- Flush-mounted device as standard
- Surface mounting or recessed ceiling mounting with accessories
- Easily replaceable/paintable cover and design ring (available in "silver" as an accessory)
- Field of detection can be extended by connecting slave devices
- Targeted masking out of areas by means of an enclosed lens mask