DATA SHEET

ESYLUX

PD-C 360/24 BMS DALI-2

Item number	GTIN
EP10428210	4015120428210

Ø 24 m	360°	DALI-2	IP20

Product description

- DALI-2-certified ceiling-mounted presence detector for use as an input device for DALI-2 lighting systems
- Multi-room light management in combination with APC presence detectors
- Can alternatively be integrated into third-party building management systems with a DALI-2 interface
- Integrated PIR sensor for DALI-2-commands in line with IEC 62386-303 and light sensor for other commands in line with IEC 62386-304
- Push button input for connecting standard push buttons (push button and switch commands issued as DALI-2 commands in line with IEC 62386-301 or 302)
- Surface mounting or recessed ceiling mounting with accessories

5 YEARS MANUFACTURER WARRANTY

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
User interface	DALI-Bus
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 70 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	0 °C...+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	white, similar to RAL 9010

ELECTRICAL VERSION

Control system	DALI-2

Protection class	II
Nominal voltage	9.5 – 22.5 V DC
No load current DALI	6 mA
Peak current DALI	10 mA
Stand-by consumption	< 0.1 W

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 m²
Recommended installation height	3 m
Max. mounting height	10 m
Light measurement	mixed light
Level of brightness	5 – 2000 lx

CHANNELS (LIGHTING / HVAC)

Push button input lighting	2
Constant light control	–
DALI-2 device type	Input device in accordance with -301 (button), Input device in accordance with -302 (switch, absolute values), Input device in accordance with -303 (presence and motion detectors), Input device in accordance with -304 (light sensor)
Switch-on time	600 ms
Channel	**C1** Lighting
Function	Send values
Push button input	✓

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Factory settings

GENERAL		CHANNELS (LIGHTING / HVAC)	
Sensitivity	100 %	Channel	**C1** Lighting

Accessories

Product designation	Item number	Product description	GTIN
Cover			
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
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
Push button			
PUSH BUTTON x8 DALI-2 WH	EP10431630	8-way button for DALI-2	4015120431630
PUSH BUTTON x6 DALI-2 WH	EP10431623	6-way button for DALI-2	4015120431623
PUSH BUTTON x4 DALI-2 WH	EP10431616	4-way button for DALI-2	4015120431616
PUSH BUTTON x2 DALI-2 WH	EP10431609	2-way button for DALI-2	4015120431609

Dimension drawing

Ø 108 mm

Ø 60 mm

46 mm   24 mm

Field of detections

C

A   B

360°

Detection range

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

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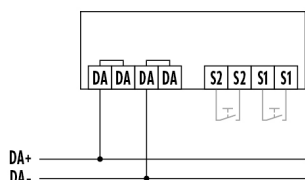## PD-C 360/24 BMS DALI-2

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Circuit diagram

Standard operation with optional control via a closing button. Maximum line length from button to presence detector: 30 m.

Detailed product description

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