DATA SHEET

ESYLUX

PD-C 360/24 BMS DALI-2 BK

Item number	GTIN
EP10428432	4015120428432

Ø 24 m | 360° | DALI-2 | IP20



5 YEARS MANUFACTURER WARRANTY

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

Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
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 70 mm, Ø 108 mm
Weight	133 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	black, similar to RAL 9005

ELECTRICAL VERSION	
Control system	DALI-2
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)
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	< 0.2 W

SENSORS	
Detection angle	360°
Detection range tangential Manual measurement	Ø 24 m
Detection range tangential Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 24 m
Detection range radial Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 10 m
Detection range presence Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Ø 6 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	-
Switch-on time	600 ms

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Channel	**C1** Lighting	Push button input	✓
Function	Send values		

Factory settings

GENERAL	
Sensitivity	100 %

CHANNELS (LIGHTING / HVAC)	
Channel	**C1** Lighting

Accessories

Product designation	Item number	Product description	GTIN
Cover			
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			
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 MOUNTING BOX-2 IP54 SM BK	EP10427091	Surface-mounted box for COMPACT series, IP54, black	4015120427091
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 x2 DALI-2 WH	EP10431609	2-way button for DALI-2	4015120431609
PUSH BUTTON x4 DALI-2 WH	EP10431616	4-way button for DALI-2	4015120431616
PUSH BUTTON x6 DALI-2 WH	EP10431623	6-way button for DALI-2	4015120431623
PUSH BUTTON x8 DALI-2 WH	EP10431630	8-way button for DALI-2	4015120431630
Repeater			
REPEATER PS IEC 62386	EP10431371	Universal signal amplifier (repeater) with integrated bus voltage supply (150 mA) for extending the DALI cable length.	4015120431371

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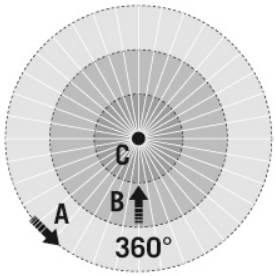
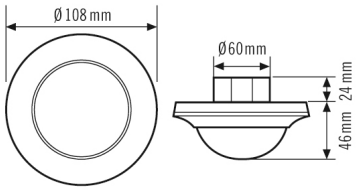
Field of detections



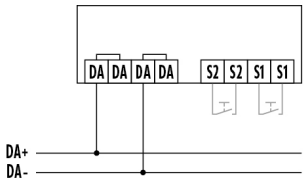
Detection range

Installation height	Tangential A Manual measurement	Tangential A Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Radial B Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0	Presence C Automated measurement in accordance with IEC 63180/AMD1 / sensNORM 3.0
2.5 m		Ø 24 m	Ø 8 m	Ø 7 m
3 m	Ø 24 m	Ø 24 m	Ø 10 m	Ø 6 m
5 m		Ø 28 m	Ø 13 m	
10 m		Ø 32 m	Ø 16 m	

Dimension drawing



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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