DATA SHEET

PD-FLAT 360i/8 ROUND WHITE DALI SET

Item number	GTIN
EP10428708	4015120428708



5 YEARS MANUFACTURER WARRANTY

Ø 8 m | 360° | DALI | IP20 | 1 CH | 2 CH | IR

Product description

- DALI design presence detector with excellent detection capabilities, at least 8 m in diameter
- Automatic light control by DALI or DALI-2 control gear to a**constant brightness level** depending on presence and daylight
- Low profile design with plastic design covers: round, white - variably interchangeable
- Set: DALI bus power supply 200mA included in delivery

Special Product Features:

- Presence and daylight dependent constant light control
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
User interface	IR remote control, DALI-Bus
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Product-specific information	Configuration via ESY-app (ESY-Pen required!) or IR remote control possible.
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 30 mm, Ø 94 mm
Weight	113 g
Material	UV-stabilised polycarbonate
Protection type	IP20
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	III
Nominal voltage	230 V ~ / 50 - 60 Hz
Power consumption	0.3 W
Power consumption	12 mA

SENSORS	
Detection angle	360°
Detection range tangential Manual measurement	Ø 8 m
Detection range radial Manual measurement	Ø 6 m
Erfassungsreichweite Präsenz Manuelle Messung	Ø 4 m
Field of detection	up to 50 m²
Recommended installation height	2.5 m
Max. mounting height	5 m
Light measurement	mixed light
Level of brightness	3 - 1000 lx

CHANNELS (LIGHTING / HVAC)	
Number of light channels	1
Number of HVAC-channels	2
Push button input lighting	1
Push button input HVAC	-
Slave input	✓
Mode	Semi-automatic, Fully automatic
Constant light control	✓
Channel	**C1** Lighting
Function	Switching, Regulate, Dimming, Broadcast
Switch contact	Bus system
Push button input	✓
Impulse mode	-
Switch-off delay time	60 s...240 min (adjustable in steps)

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Orientation light	10 – 50 % luminous efficiency
Switch-off delay time, orientation light	60 s...240 min
Channel	**C3** with accessory (ACTUATOR FULL AUTO C3 DALI)
Function	Switching
Switching capacity	10 A (12 V DC / 230 V AC)
Switch contact	make contact / floating
Push button input	✓

Switch-off delay time	60 s...120 min (adjustable in steps)
Channel	**C4** with accessory (ACTUATOR SEMI AUTO C4 DALI)
Function	Switching
Switching capacity	10 A (12 V DC / 230 V AC)
Switch contact	make contact / floating
Push button input	✓
Switch-off delay time	60 s...120 min (adjustable in steps)

Factory settings

GENERAL	
Sensitivity	100 %
Afterglow luminous efficiency	10 %
Orientation light ON	–
Orientation light, depending on brightness	✓
Switching threshold for orientation light	500 lx
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	60 s

Accessories

Product designation	Item number	Product description	GTIN
Cover			
FLAT COVER ROUND WH	EP00007231	Cover for FLAT series, round, white	4015120007231
FLAT COVER ROUND BK	EP00007279	Cover for FLAT series, round, black	4015120007279
FLAT COVER SQUARE WH	EP00007248	Cover for FLAT series, square, white	4015120007248
FLAT COVER SQUARE BK	EP00007286	Cover for FLAT series, square, black	4015120007286
FLAT COVER LARGE ROUND WH	EP10428579	Cover for FLAT series, Ø 104 mm, round, white	4015120428579
FLAT COVER LARGE ROUND BK	EP10428098	Cover for FLAT series, Ø 104 mm, round, black	4015120428098
FLAT COVER GLASS ROUND WH	EP00007255	Cover for FLAT series, glass, round, white	4015120007255
FLAT COVER GLASS ROUND BK	EP00007293	Cover for FLAT series, glass, round, black	4015120007293
FLAT COVER GLASS ROUND GY	EP00007323	Cover for FLAT series, glass, round, grey	4015120007323
FLAT COVER GLASS SQUARE WH	EP00007262	Cover for FLAT series, glass, square, white	4015120007262
FLAT COVER GLASS SQUARE BK	EP00007309	Cover for FLAT series, glass, square, grey	4015120007309
FLAT LENS MASK	EP00007392	Spare part lens mask for PD-FLAT WH products	4015120007392
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
Mounting			
FLAT MOUNTING SET IP20 FM	EP10426889	Recessed ceiling mounting set for FLAT series includes installation bracket and dust-protected box	4015120426889
Protection			
BASKET GUARD ROUND SMALL	EM10425615	Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm	4015120425615

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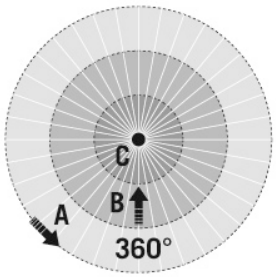
Accessories

Product designation	Item number	Product description	GTIN
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm	4015120425608
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

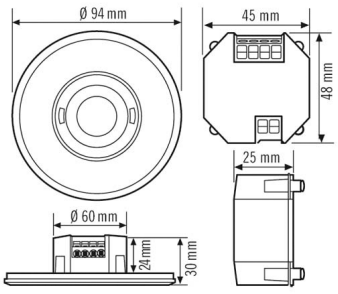
Field of detections



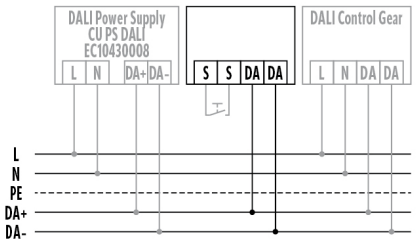
Detection range

Installation height	Tangential A Manual measurement	Radial B Manual measurement	Presence C Manual measurement
2.5 m	Ø 8 m	Ø 6 m	Ø 4 m

Dimension drawing



Circuit diagram



Standard operation with optional control via a closing button.

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Detailed product description

- DALI design presence detector with excellent detection capabilities, at least 8 m in diameter
- Low profile design with plastic design covers: round, white - variably interchangeable
- Automatic light control by DALI or DALI-2 control gear to a**constant brightness level** depending on presence and daylight
- Set: DALI bus power supply 200mA supplied in package
- Recessed and ceiling-mounted
- Push button input