

## PD-FLAT 360i/8 ROUND BLACK DALI

**Item number**      **GTIN**  
 EP10427916      4015120427916



### 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, black - variably interchangeable (alternatively: square, glass, white)

### Offers special product features like:

- 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
Included in delivery	Includes lens mask
User interface	IR remote control with "blue mode" technology, DALI-Bus
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Product-specific information	Separate DALI power supply required Configuration only possible via ESY-Pen, ESY-App and remote control
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 mm <sup>2</sup>
HOUSING	
Dimensions	Height/Depth 30 mm, Ø 94 mm
Weight	30 g
Material	UV-stabilised polycarbonate
Protection type	IP20
Permissible ambient temperature	0 °C...+50 °C
Relative humidity	5 – 93 %, non-condensing
Colour	black, similar to RAL 9004
ELECTRICAL VERSION	
Control system	DALI

Protection class	III
Nominal voltage	9.5 – 22.5 V DC
Power consumption	0.3 W
Power consumption	12 mA

### 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 m <sup>2</sup>
Range adjustment	mechanically with internal lens cover
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	✓

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Impulse mode	–
Switch-off delay time	60 s...240 min (adjustable in steps)
Orientation light	10 – 50 % luminous efficiency
Switch-off delay time, orientation light	60 s...240 min
Channel	<b>C3</b> with accessory (ACTUATOR FULL AUTO C3 DALI)
Function	Switching
Switching capacity	10 A / 12 V DC
Switch contact	make contact / floating

Push button input	✓
Switch-off delay time	60 s...120 min (adjustable in steps)
Channel	<b>C4</b> with accessory (ACTUATOR SEMI AUTO C4 DALI)
Function	Switching
Switching capacity	10 A / 12 V DC
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	<b>C1</b> 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

### Accessories

Product designation	Item number	Product description	GTIN
<b>Cover</b>			
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 ROUND GY	EP00007316	Cover for FLAT series, round, grey	4015120007316
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, 105 mm, round, white	4015120428579
FLAT COVER LARGE ROUND BK	EP10428098	Cover for FLAT series, 105 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
<b>Electrical accessories</b>			
POWER SUPPLY 200mA DALI	EC10430008	200mA power pack for supplying power to DALI operating units or DALI control modules that do not have their own power supply	4015120430008
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

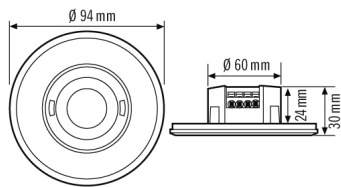
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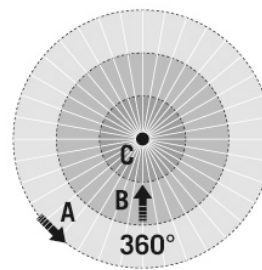
### Accessories

Product designation	Item number	Product description	GTIN
<b>Mounting</b>			
FLAT MOUNTING SET IP20 FM	EP10426889	Recessed ceiling mounting set for FLAT series includes installation bracket and dust-protected box	4015120426889
COMPACT MOUNTING BOX IP20 SM BK	EP10426933	Surface-mounted box for COMPACT series, IP20, black	4015120426933
<b>Protection</b>			
BASKET GUARD ROUND SMALL	EM10425615	Basket guard for presence and motion detectors and smoke detectors, Ø 165 mm, height 70 mm	4015120425615
BASKET GUARD ROUND LARGE	EM10425608	Basket guard for presence and motion detectors and smoke detectors, Ø 180 mm, height 90 mm	4015120425608
<b>Remote control</b>			
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



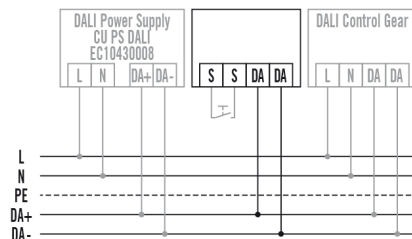
### Field of detections



### Detection range

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

### Circuit diagram



Standard operation with optional control via a closing button.

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### Detailed product description

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- Low profile design with plastic design covers: round, black - variably interchangeable (alternatively: square, glass, white)
- Automatic light control by DALI or DALI-2 control gear to **constant brightness level** depending on presence and daylight
- Recessed and ceiling-mounted
- Push button input