

## PD-FLAT 360i/6 mini DALI

**Item number**      **GTIN**  
 EP10427503      4015120427503



### Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
User interface	IR remote control with "blue mode" technology, DALI-Bus
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Product-specific information	Configuration only possible via ESY-Pen, ESY-App and remote control
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting
Installation position	Ceiling
Installation dimension	Installation depth: 45 mm, Ø 25 mm
Type of connection	Push terminal
Connectable wire cross section	0.60 – 0.80 mm <sup>2</sup>
HOUSING	
Dimensions	Height/Depth 48 mm, Ø 33 mm
Weight	21 g
Material	UV-stabilised PE
Protection type	IP55
Permissible ambient temperature	0 °C...+50 °C
Relative humidity	5 – 95 %, non-condensing
Colour	opal matt
ELECTRICAL VERSION	
Control system	DALI
Protection class	III
Nominal voltage	9.5 – 22.5 V DC

### Product description

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 6m in diameter at a recommended installation height of 3 m
- flat lens with an installation height of only 3 mm
- Automatic light control of DALI electronic ballasts to achieve a constant brightness level, depending on presence and natural light (with DALI-output)
- Can be combined with DALI push buttons
- HVAC and potential-free contact possible in conjunction with DALI switch from ESYLUX

### Offers special product features like:

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

Power consumption	0.3 W
Power consumption	12 mA

SENSORS	
Detection angle	360°
Detection range diagonally	Ø 6 m
Detection range presence	Ø 2.5 m
Field of detection	up to 28 m <sup>2</sup>
Recommended installation height	3 m
Max. mounting height	3 m
Light measurement	mixed light
Level of brightness	10 – 2000 lx

CHANNELS (LIGHTING / HVAC)	
Number of light channels	1
Number of HVAC-channels	2
Push button input HVAC	–
Slave input	✓
Mode	Semi-automatic, Fully automatic
Constant light control	✓
Channel	<b>C1</b> Lighting
Function	Switching, Regulate, Broadcast
Switch contact	Bus system
Push button input	–
Impulse mode	–
Switch-off delay time	60 s...240 min (adjustable in steps)
Orientation light	10 – 40 % luminous efficiency
Switch-off delay time, orientation light	60 s...30 min

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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 %
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

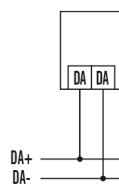
Product designation	Item number	Product description	GTIN
<b>Electrical accessories</b>			
ACTUATOR FULL AUTO C3 DALI	EP10427473	Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (fully automatic)	4015120427473
ACTUATOR SEMI AUTO C4 DALI	EP10427480	Modul for the conversion of bus commands from the DALI presence detector and other light controls into switching signals (semi-automatic)	4015120427480
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
<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
Mobil-PDi/MDi-universal	EP10433993	Remote control for quick and precise setting of various parameters	4015120433993
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

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Dimension drawing	Field of detections	Detection range	
		<p>■ Diagonally (A)</p>	<p>∅ 6 m</p>
		<p>■ Presence area (C)</p>	<p>∅ 2.5 m</p>

### Circuit diagram



*Standard operation.*

### Detailed product description

- Presence detector with 360° field of detection for ceiling mounting
- Range of up to 6m in diameter at a recommended installation height of 3 m
- Flat lens with an installation height of only 3 mm
- Automatic light control of DALI electronic ballasts to achieve a constant brightness level, depending on presence and natural light (with DALI-output)
- Default settings ensure immediate operability
- Simple programming using remote control
- 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
- In-built switch-off warning
- Standard version as ceiling flush-mounted device
- Can be combined with DALI push buttons
- HVAC and potential-free contact possible in conjunction with DALI switch from ESYLUX