

## PD-C 360i/24 DUOplus-SM

**Item number**      **GTIN**  
 EP10426810      4015120426810

Ø 24 m	360°	ON/OFF	IP20	2 CH	1 CH
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### Technical data

GENERAL	
Device category	Ceiling-mounted presence detector
Product information	Please note the Explanation of circuit breaker in the download area of the product! Mounting position: Keep a safe distance of 5 m from radio antennas (e.g. WiFi access points).
User interface	Adjusting controller, IR remote control with "blue mode" technology
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Surface mounted (plaster)
Installation position	Ceiling
Type of connection	Push terminal
Connectable wire cross section	1,5 - 1,5 mm <sup>2</sup>
HOUSING	
Dimensions	Height/Depth 74 mm, Ø108 mm
Weight	220 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	ON/OFF
Protection class	II

### Product description

- Presence detector with **360° field of detection** for ceiling mounting **Surface mounted (plaster)**
- **range of up to 24 m** in diameter at a recommended installation height of 3 m and for the **independent control of 2 lighting areas** (window and internal areas) depending on presence and natural light
- Additional HVAC switch contact (channel 3) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both light channels and the HVAC contact with 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

### Offers special product features such as:

- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

Nominal voltage	230 V AC / 50 Hz
In-rush current	800 A / 200 µs
Power consumption	0,3 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 m <sup>2</sup>
Recommended installation height	3 m
Max. mounting height	10 m
Light measurement	mixed light
Level of brightness	5 - 2000 lx

### CHANNELS (LIGHTING / HVAC)

Number of light channels	2
Number of HVAC-channels	1
Push button input lighting	2
Push button input HVAC	✓
Slave input	✓
Max. number of slave detectors	10
Mode	Semi-automatic, Fully automatic
Switching delay from "dark to light"	300 s
Switching delay from "light to dark"	30 s
Constant light control	-
Channel	<b>C1</b> Lighting
Function	Switching
Switching capacity	230 V/50 Hz

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	2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED
Switch contact	make contact / non-floating
Push button input	✓
Impulse mode	✓
Switch-off delay time	60 s...30 min (adjustable in steps)
Channel	<b>C2</b> Lighting
Function	Switching
Switching capacity	230 V/50 Hz 2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5) 600 W LED
Switch contact	make contact / non-floating

Push button input	✓
Impulse mode	✓
Switch-off delay time	60 s...30 min (adjustable in steps)
Channel	<b>C3</b> HVAC
Function	Switching
Switching capacity	230 V/50 Hz, 16 AX 1000 W/4,5 A (cos phi = 1) 500 VA/2,25 A (cos phi = 0,5) 250 W LED
Switch contact	make contact / floating
Push button input	-
Impulse mode	-
Switch-off delay time	60 s...15 min (adjustable in steps)

### Factory settings

<b>GENERAL</b>	
Sensitivity	100 %
<b>CHANNELS (LIGHTING / HVAC)</b>	
Channel	<b>C1</b> Lighting
Operating mode	fully automatic
Level of brightness/switching threshold	400 lx

Switch-off delay time	5 min
Duration of switch-off warning	300 s
Channel	<b>C2</b> HVAC
Operating mode	fully automatic
Level of brightness/switching threshold	400 lx
Switch-off delay time	30 min
Duration of switch-off warning	300 s

### Accessories

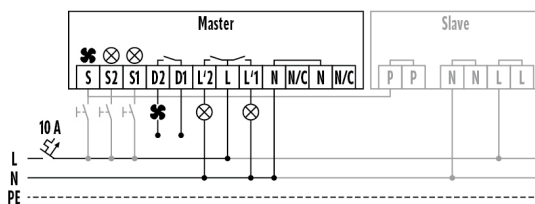
Product designation	Item number	Product description	GTIN
<b>Ceiling-mounted presence detector</b>			
PD-C 360/8 Slave	EP10055379	Slave presence detector for extending the field of detection of a Master presence detector	4015120055379
PD-C 360/24 Slave	EP10055386	Slave presence detector for extending the field of detection of a Master presence detector	4015120055386
PD-C 360/32 Slave	EP10427770	Slave presence detector for extending the field of detection of a Master presence detector	4015120427770
<b>Electrical accessories</b>			
FILTER 230 V	EP10426988	Filter for suppression of inductive loads, such as relays, contactors, fluorescent lamps and transformers	4015120426988
<b>Protection</b>			
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/plus	EM10425530	IR remote control for multi-channel presence detectors of the COMPACT series (DIM, DUOplus, DUO DIM, DUO DIMplus)	4015120425530
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						
		<table border="1"> <tr> <td>Diagonally (A)</td> <td>Ø 24 m</td> </tr> <tr> <td>Frontal (B)</td> <td>Ø 11 m</td> </tr> <tr> <td>Presence area (C)</td> <td>Ø 8 m</td> </tr> </table>	Diagonally (A)	Ø 24 m	Frontal (B)	Ø 11 m	Presence area (C)	Ø 8 m
Diagonally (A)	Ø 24 m							
Frontal (B)	Ø 11 m							
Presence area (C)	Ø 8 m							

### Circuit diagram



Standard operation with optional control via a closing button and use of max. ten slave devices to one master device.

### Detailed product description

- Presence detector with **360° field of detection** for ceiling mounting **Surface mounted (plaster)**
- **range of up to 24 m** in diameter at a recommended installation height of 3 m and for the **independent control of 2 lighting areas** (window and internal areas) depending on presence and natural light
- Additional HVAC switch contact (channel 3) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- Both a light channel and an HVAC contact with 16 A high-performance relay (tungsten pre-contact), ideal for switching capacitive loads such as electronic ballasts, parallel-compensated fluorescent lamps, compact fluorescent lamps, energy saving lamps
- Ideal for use in **installations in large heights of up to 10 m**, such as sports halls, warehouses etc.
- Default settings ensure immediate operability
- Simple programming using remote control with "blue mode" technology or setting elements
- Integrated toggle for setting with remote control or by adjusting controller - prevents operating errors and provides tamper protection
- Masking of interference sources by reducing sensitivity using DIP switches
- Additional switch input per channel with toggle function "room = ON + OFF/hallway = ON"
- Detector can be used as a fully automatic or semi-automatic device
- Surface-mounted device as standard
- Field of detection can be extended by connecting slave devices
- Targeted masking out of areas by means of an enclosed lens mask