

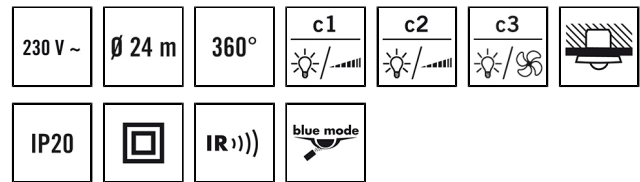
PD-C 360i/24 DUODIMplus-FM

Item number **GTIN**
 EP10426742 4015120426742



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!
User interface	IR remote control with "blue mode" technology
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting / device box Ø 68 mm
Installation position	Ceiling
Installation dimension	Installation depth: 41 mm, Ø 60 mm
Type of connection	Push terminal
Connectable wire cross section	1.50 – 1.50 mm ²
HOUSING	
Dimensions	Height/Depth 87 mm, Ø 108 mm
Weight	173 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	1–10 V
Protection class	II
Nominal voltage	230 V ~ / 50 Hz



Product description

- Presence detector with **360° field of detection** for ceiling mounting **Flush-mounted**
- **range of up to 24 m** in diameter at a recommended installation height of 3 m (maximum mounting height 5 m) and for a **independent control of 2 lighting areas** (window and internal areas) depending on presence and natural light
- Automatic light control (channel 1 + 2) to a **constant brightness level** depending on presence and natural light (1 - 10 V DC interface)
- 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 like:

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

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 ²
Recommended installation height	3 m
Max. mounting height	5 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	C1 Lighting
Function	Switching, Regulate, Dimming
Switching capacity	230 V/50 Hz 2300 W/10 A (cos phi = 1) 1150 VA/5 A (cos phi = 0,5)

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	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)
Orientation light	10 - 40 % luminous efficiency
Switch-off delay time, orientation light	60 s...60 min
Channel	C2 Lighting
Function	Switching, Regulate, Dimming
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)
Orientation light	10 - 40 % luminous efficiency
Switch-off delay time, orientation light	60 s...60 min
Channel	C3 HVAC
Function	Switching
Push button input	✓
Impulse mode	—
Switch-off delay time	60 s...30 min (adjustable in steps)

Factory settings

GENERAL

Accessories

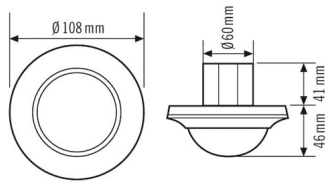
Product designation	Item number	Product description	GTIN
Ceiling-mounted presence detector			
PD-C 360/8 Slave	EP10055379	Slave presence detector for extending the field of detection of a Master presence detector	4015120055379
PD-C 360/24 Slave	EP10055386	Slave presence detector for extending the field 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
Cover			
COMPACT COVER SET 24/32 SR	EP10425431	Cover set for COMPACT series, 24 m/32 m, consists of cover and design ring, silver	4015120425431
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			
COMPACT MOUNTING SET IP20 FM 72 WH	EP10426896	Recessed ceiling mounting set includes installation bracket and dust-protected box, 72 mm	4015120426896
Protection			
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/plus	EM10425530	IR remote control for presence detector with HVAC contact (plus)	4015120425530
REMOTE CONTROL PDi/USER	EM10425547	IR remote control for end users of presence detectors	4015120425547

DATA SHEET

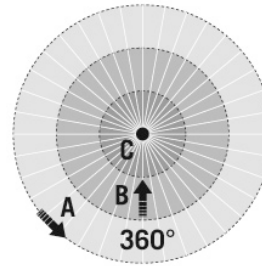
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Dimension drawing



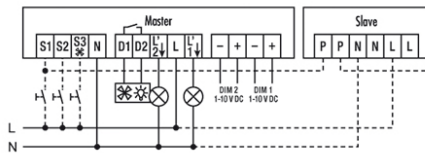
Field of detections



Detection range

■ Diagonally (A)	Ø 24 m
■ Frontal (B)	Ø 11 m
■ Presence area (C)	Ø 8 m

Circuit diagram



Standard operation