

PD-C 360i/24 DIMplus WH

Order description

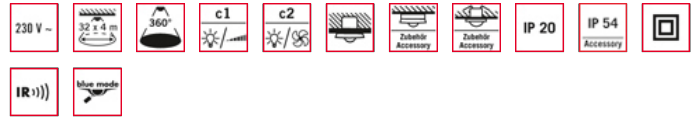
PD-C360i/24 DIMplus WH

Item number

EP10425783

GTIN

4015120425783



Product description

- Presence detector with 360° field of detection for ceiling mounting.
- range of up to 32 m, elliptic detection range of 32 m in length and 4 m in width, at an installation height of 10 m (maximum installation height approximately 15 m)
- Automatic light control (channel 1) to a constant brightness level (at a height of up to 5 m) depending on presence and daylight (1 - 10 V = interface)
- Additional HVAC switch contact (channel 2) for switching an additional light source or controlling heating, ventilation and air conditioning depending on presence
- 16 A high-performance relay (tungsten pre-contact)
- Default settings ensure immediate operability

Technical data

GENERAL	
Conformity	CE, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting
Installation position	Ceiling
Installation dimension	Installation depth: 24 mm, Ø 60 mm
HOUSING	
Dimensions	Height/Depth 70 mm, Ø 108 mm
Weight	265 g
Material	UV-stabilised polycarbonate
Protection type	recessed-mounted IP20, IP54 with surface-mounted box (order separately), IP 20 as recessed ceiling-mounted version (order installation set separately)
Permissible ambient temperature	-25 °C...+50 °C
Relative humidity	5 - 93 %, non-condensing
Colour	white, similar to RAL 9010
Connection	2,5 mm ² / 1,5 mm ²
ELECTRICAL VERSION	
Protection class	II
Nominal voltage	230 V / 50 Hz
Power consumption	0,3 W
In-rush current	800 A / 200 µs

SENSORS

Detection angle	360°
Detection range diagonally	Ø 32 m
Detection range head-on	Ø 11 m
Field of detection	up to 805 m ²
Recommended installation height	10 m
Max. mounting height	10 m
Light measurement	mixed light
Level of brightness	5 - 2000 lx
Number of light channels	1
Push button input lighting	1
Push button input HVAC	true
Slave input	yes
Max. number of slave detectors	10
Fully automatic	yes
Semi-automatic	yes
Impulse feature	yes
constant lighting control	true
Switching delay from "dark to light" [s]	300 s
Switching delay from "light to dark" [s]	30 s

CONTROL

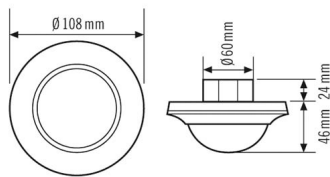
Channel 1	Lighting
Interface	Switching/Dimming
Contact	make contact/non-floating
Switching capacity channel 1	230 V AC 50 Hz, 16 A relay, 2300 W/10 A (cos phi = 1), 1150 VA/5 A (cos phi = 0.5)
Control output	1 - 10 V DC / 50 mA

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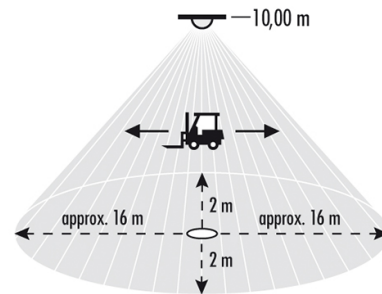
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Switch-off delay time	approx. 1 minute – 15 minutes	
Orientation light	10 % luminous efficiency	
Switch-off delay time, orientation light	approx. 1 min.-60 min.	
Channel 2	HVAC	
Output	Switching	
Contact	make contact/non-floating	
Switching capacity channel 2	230 V AC/2 A, 24 V DC/2 A, Capacitive load/ electronic ballasts max. in-rush current 30 A/20 ms	

Control output	1 - 10 V DC / 50 mA
Switch-off delay channel 2	impulse approx. 1 min. - 120 min.
Orientation light	10 % luminous efficiency
Switch-off delay time, orientation light	approx. 1 min.-60 min.
Master/slave function	true
constant lighting control	true
Manual override	yes

Scale drawing

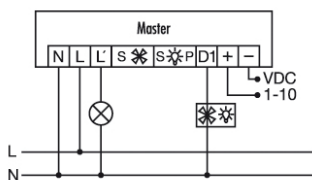


Field of detections



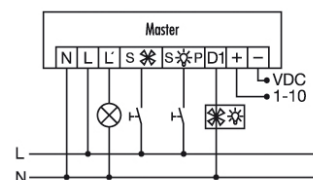
■ Passage area / diagonally to detector

Circuit diagram



Standard operation

Circuit diagram

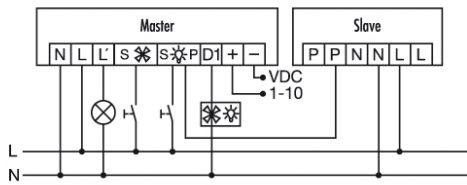


Standard operation with additional control by means of a closing button. If required, the light can be manually switched on or off with the button.

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Circuit diagram



*Master/slave connection:
The master device controls connected systems according to the programmed settings.
The sole purpose of the slave devices is to register presence and transmit an impulse to the master device when movement is detected.
Caution: a maximum of 10 slave devices may be connected to one master device.*