

PD-C 360i/24 DUODIMplus-FM

Order description

PD-C360i/24 DUODIMplus FM

Item number

EP10426742

GTIN

4015120426742



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

Technical data

GENERAL	
Conformity	CE, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Recessed mounting
Installation position	Ceiling
Installation dimension	Installation depth: 41 mm, Ø 60 mm
HOUSING	
Dimensions	Height/Depth 87 mm, Ø 108 mm
Weight	329 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
Connection	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 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
Number of light channels	2
Number of switching contacts	1
Push button input lighting	2
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, 2300 W/10 A (cos # = 1), 1150 VA/5 A (cos # =0.5)
Control output	1 - 10 V DC / 50 mA
Switch-off delay time	approx. 1 minute – 30 minutes
Orientation light	10 % to 40 % luminous efficiency

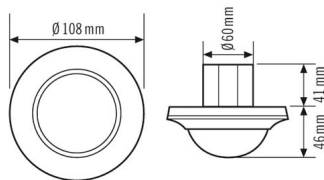
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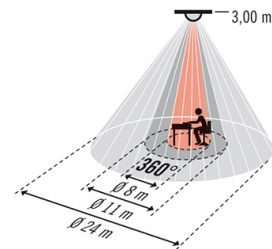
Switch-off delay time, orientation light	approx. 1 min.-60 min.
Channel 2	Lighting
Output	Switching/Dimming
Contact	make contact/non-floating
Switching capacity channel 2	230 V AC 50 Hz, 2300 W/10 A (cos # = 1), 1150 VA/5 A (cos # =0.5)
Control output	1 - 10 V DC / 50 mA
Switch-off delay channel 2	approx. 1 minute – 30 minutes
Orientation light	10 % to 40 % luminous efficiency
Switch-off delay time, orientation light	approx. 1 min.-60 min.

Channel 3	HVAC
output	Switching
Contact	make contact/floating
Switching capacity channel 3	230 V AC 50 Hz, 2300 W/10 A (cos # = 1), 1150 VA/5 A (cos # =0.5)
Time setting channel 3	approx. 1 minute – 30 minutes
Master/slave function	true
constant lighting control	true
Manual override	yes

Scale drawing

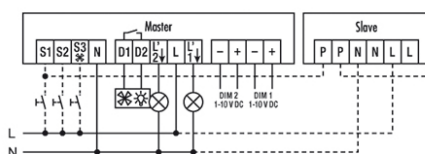


Field of detections



- Operating area approx. \varnothing 8 m
- Head-on to detector approx. \varnothing 11 m
- Passage area / diagonally to detector approx. \varnothing 24 m

Circuit diagram



Standard operation