

Ceiling mounted occupancy detectors - DIM

PD2-M-DIM



white mat, similar to
RAL9010 , Part No. 92153

white mat, similar to
RAL9010 , Part No. 92157

white mat, similar to
RAL9010 , Part No. 92167

Product Information

- Occupancy detector for daylight-dependent lighting control
- 1 - 10 V interface for controlling analog, dimmable ballasts
- Additional switching channel for the following function:
Cut-Off (complete ECG switch-off to avoid standby losses).
- Orientation light function
- Manual switching and dimming via push button possible
- Version as master device
- Detection area can be extended with slave devices
- Additional functions can be set up using the optional remote control.
- Relay with tungsten pre-make contact, optimised for LED loads
- Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4
- **Application examples:**
entrance halls, corridors/hallways, small offices, open-plan offices, conference rooms, classrooms/seminar rooms

Technical Data

Voltage: 110 - 240 V AC 50 / 60 Hz

Dimensions:
FM= Ø 98 x 65 mm
FC= Ø 80 x 85 mm
SM= Ø 98 x 47 mm

Power consumption: approx. 0.5 W

Detection area: horizontal 360° (Ceiling mounting)

Range: max. Ø 10 m across
max. Ø 6 m towards
max. Ø 4 m seated

**Monitored area
(tangential movement):** 78 m² / 2.5 m mounting height

**Mounting height
min./max./recommended:** 2 m / 5 m / 2.5 m

**Degree / class of
protection:** FM= IP20 / Class II
FC= IP20 / Class II
SM= IP20 / Class II

Ambient temperature: -25 °C to +50 °C

Housing: polycarbonate, UV-resistant

Channel 1 (lighting control)

Switching power: 2300 W, $\cos \varphi = 1$
1150 VA, $\cos \varphi = 0.5$
300 W LED, minimum runtime > 5 min
max. inrush current I_p (20 ms) = 165 A
max. inrush current I_p (200 µs) = 800 A

Type of contact: 1x µ-contact, NO contact with tungsten pre-make contact

DIM output: 1-10 V DC, up to 50 ballasts

Follow-up time: 1 min - 30 min

Brightness set value: 10 - 2000 Lux
Mixed light measuring

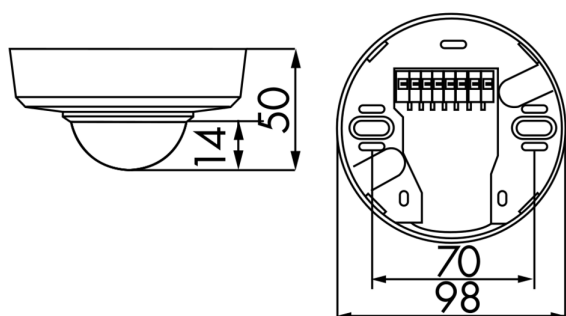
Description

Description	Colour	Part number	EAN number
PD2-M-DIM-SM	white mat, similar to RAL9010	92153	4007529921539
PD2-M-DIM-FM	white mat, similar to RAL9010	92157	4007529921577
PD2-M-DIM-FC	white mat, similar to RAL9010	92167	4007529921676

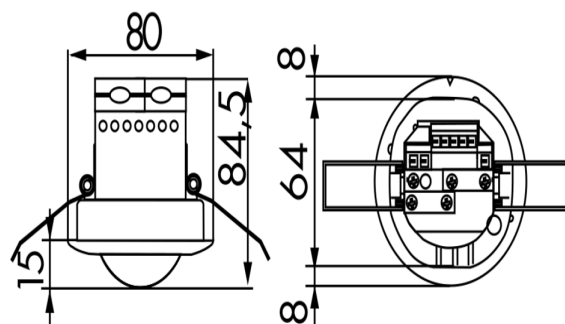
Accessory

Description	Colour	Part number	EAN number
BLE-IR-Adapter	black	93067	4007529930678
IR-PDim	-	92200	4007529922000
IR-PD-DIM-Mini	-	92098	4007529920983

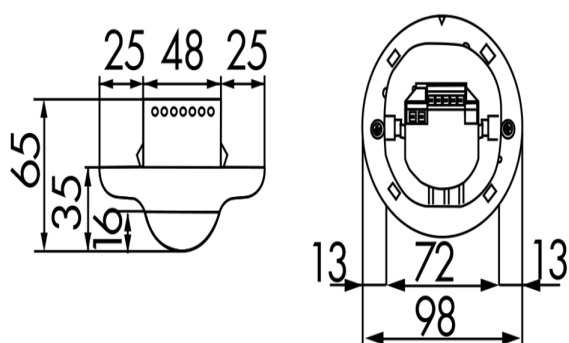
Description	Colour	Part number	EAN number
Wire basket BSK (Ø 200 x 90 mm)	white	92199	4007529921997
RC-Arc extinction kit	white	10880	4007529108800
Mini-RC-Arc extinction kit	black	10882	4007529108824
SM socket IP54 for PD2- / PD4-SM	white	92161	4007529921614



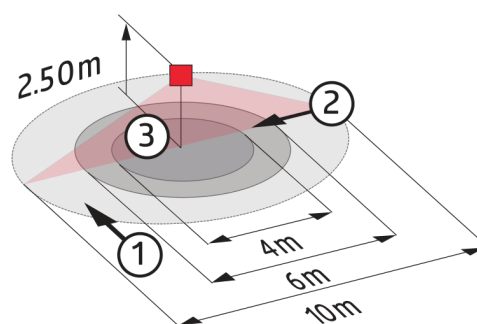
Dimensions 92153



Dimensions 92167

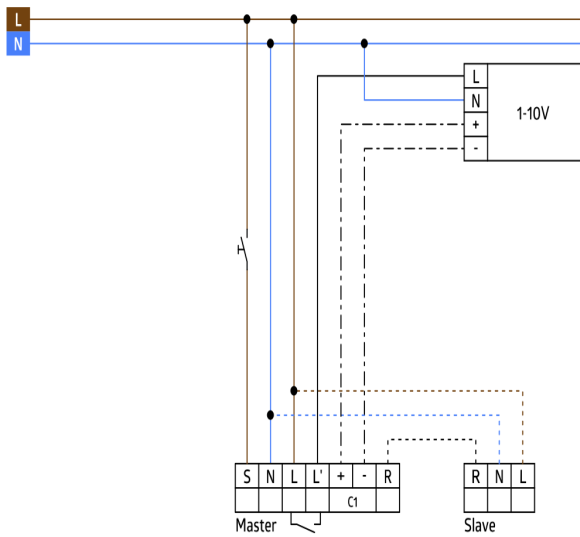


Dimensions 92157



Range diagram

- 1: Walking across
- 2: Walking towards
- 3: Seated activity



Wiring diagramms