

B.E.G.**LUXOMAT®**

PD2-M-DALI/DSI-HVAC-FC

Prod.No. 92698 EAN: 4007529926985

Occupancy detector for daylight-dependent lighting control

DALI / DSI interface for control of digital dimmable electronic ballasts as a group

Alarm pulse: the detector triggers only when three movements are detected within 9 seconds

Order data

Designation	Colour	Art.No
PD2-M-DALI/DSI-HVAC-FC		92698

Accessories

Designation	Colour	Art.No
IR-PD-DALI-1C	-	92116
IR-PD-DALI-Mini	-	92112
Wire basket BSK (Ø 200 x 90 mm)	white	92199
RC-Arc extinction kit	white	10880
Mini-RC-Arc extinction kit		10882
BLE-IR-Adapter	black	93067

Technical data

Voltage:	110 – 240 V AC 50 / 60 Hz
Dimensions:	Ø 80 x 85 mm
Power consumption:	approx. 1 W
Detection area:	horizontal 360° (Ceiling mounting) max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Range:	
Monitored area (tangential movement):	78 m ² / 2.5 m mounting height
Mounting height min./max./recommended:	2 m / 5 m / 2.5 m
Degree / class of protection:	IP20 / Class II
Ambient temperature:	-25 °C to +50 °C
Housing:	polycarbonate, UV-resistant white mat, similar to RAL9010
Material color:	

Channel 1 (lighting control)

DALI output:	up to 50 DALI / DSI-EB
Follow-up time:	1 min – 30 min
Orientation light:	20 % / OFF / 5 min – 60 min / ∞
Brightness set value:	10 – 2000 Lux

Channel 2 (HVAC or lighting control, potential-free (dry))

Switching power:	2300 W, cos φ = 1 1150 VA, cos φ = 0.5 300 W LED max. inrush current I _p (20 ms) = 165 A, I _p (200 μs) = 800 A
Type of contact:	1x μ-contact, dry NO contact with tungsten pre-make contact
Follow-up time:	5 min – 120 min, Alarm pulse, Pulse
Light measuring:	Mixed light measuring

Product information

Occupancy detector for daylight-dependent lighting control

DALI / DSI interface for control of digital dimmable electronic ballasts as a group

Additional potential-free switching channel for one of the following two functions:
Cut-Off (complete ECG switch-off to avoid standby losses) or HVAC (for the energy-efficient control of heating, air-conditioning or ventilation systems or for displaying occupancy).

Alarm pulse: the detector triggers only when three movements are detected within 9 seconds

Switching between DALI and DSI programming possible with DIP switch and remote control

Orientation light function

Relay with tungsten pre-make contact, optimised for LED loads

Version as master device

Detection area can be extended by using slave devices

Manual switching and dimming via push button possible

Additional functions can be set up using the optional remote control.

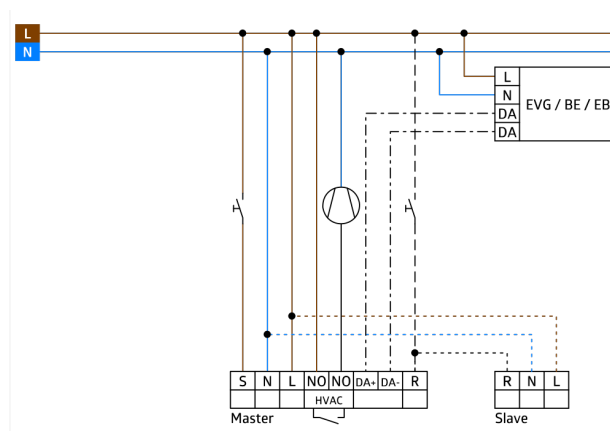
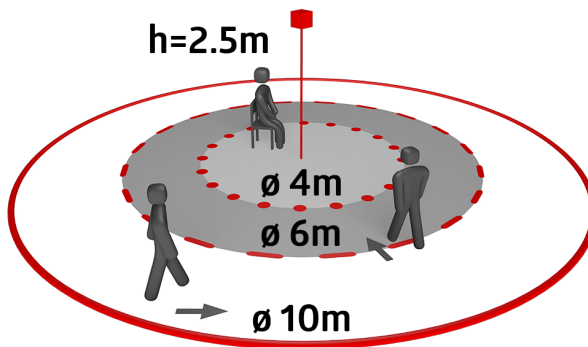
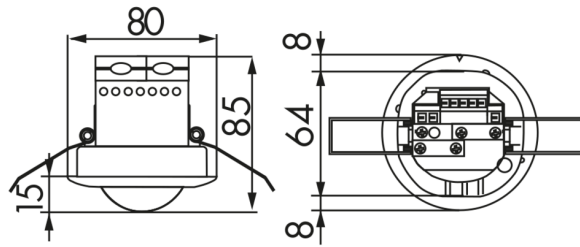
Avoidance of standby losses of the lighting system in accordance with EnEV DIN V 18599-4

Semi-automatic, full-automatic or twilight switch mode

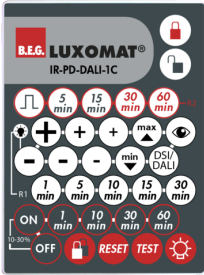
Factory settings 10 min and 500 lux

Application examples:

entrance halls, small offices, corridors/hallways, open-plan offices, conference rooms, classrooms/seminar rooms



Accessories



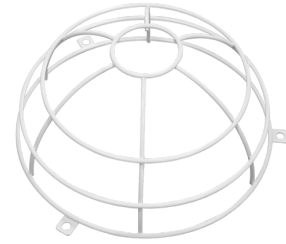
IR-PD-DALI-1C
Art.No: 92116

Battery: 3.0 V Lithium CR2032 (inclusive)
Dimensions: 80 x 60 x 8 mm
Material color: -



IR-PD-DALI-Mini
Art.No: 92112

Battery: 3.0 V Lithium CR2032 (inclusive)
Dimensions: 57 x 35 x 7 mm
Material color: -



Wire basket BSK (Ø 200 x 90 mm)
Art.No: 92199

Dimensions: Ø 200 x 90 mm
Impact strength: IK09
Housing: coated steel basket



RC-Arc extinction kit
Art.No: 10880

Voltage: 230 V AC ±10%
Dimensions: 38 x 12 x 26 mm
Degree / class of protection: IP20 / Class II



Mini-RC-Arc extinction kit
Art.No: 10882

Voltage: 230 V AC ±10%
Dimensions: 50 x 23 x 8 mm
Degree / class of protection: IP20 / Class II



BLE-IR-Adapter
Art.No: 93067

Dimensions: 40 x 55 x 103 mm
Material color: black
Frequency: 2.4 GHz ISM band, GFSK
0.2 dBm + 5.3 dBi = 5.5 dBm