

LuxMaster True Presence

DALI-2 APC - surface
EAN 4007841 085582
Article number 085582



high frequency
sensor 360°



Movement Ø 15 m



Presence Ø 15 m



True Presence Ø 9
m



brightness



2 - 12 m



2 - 2000 lux



5 sec - 60 min



KNX



IP54

Function description

The world's first true presence detector! No unnecessary stay-ON times any more – no unnecessary electricity costs. Precision high-frequency measurement of the surrounding area provides 100 per-cent reliable detection. The True Presence detector reliably identifies whether persons are present or absent over an area of 64 m² – on the basis of the body's micro movements as well as human vital functions, such as breathing in and out, or shoulder movement. The new standard in building automation. Easy to control via app and Bluetooth.

Technical specifications

Dimensions (L x W x H)	45 x 123 x 123 mm
With motion detector	Yes
Manufacturer's Warranty	5 years
Settings via	Bluetooth Mesh
With remote control	No
Version	DALI-2 APC - surface
PU1, EAN	4007841085582
Type	Presence detector
Application, place	Indoors
Application, room	classroom, lecture hall, one-person office, open-plan office, high-bay warehouse, production facilities, conference room / meeting room, hotel room, care room, duty room, recreation room, dining hall / staff restaurant, changing room, kitchenette, sports hall, reception / lobby, WC / washroom, warehouse, Indoors

HF-system	7,2 GHz
Detection	also through glass, wood and stud walls
Detection angle	360 °
Angle of aperture	160 °
Sneak-by guard	Yes
Capability of masking out individual segments	No
Electronic scalability	Yes
Mechanical scalability	No
Reach, radial	Ø 15 m (177 m ²)
Reach, tangential	Ø 15 m (177 m ²)
Reach, presence	Ø 15 m (177 m ²)
True Presence reach	Ø 9 m (64 m ²)
Transmitter power	< 1 mW
Functions	Selecting programmed lighting scenarios, Semi-/fully automatic, Constant-lighting control ON-OFF,

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Technical specifications

Colour	white	Lighting scenario, Manual ON / ON-OFF, Neighbouring group function, Normal / test mode, TouchDIM function	
Colour, RAL	9003		
Includes corner wall mount	No		
Installation site	ceiling		
Installation	Surface wiring, Ceiling	Twilight setting	2 – 2000 lx
IP-rating	IP54	Time setting	20 s – 60 Min.
Ambient temperature	from -20 up to 50 °C	Basic light level function	Yes
Material	Plastic	Basic light level function time	1-60 min, all night
Mains power supply	220 – 240 V / 50 – 60 Hz	Main light adjustable	10 - 100 %
Number of Dali users	64	Twilight setting TEACH	Yes
Control output, Dali	Broadcast 64 electronic ballasts / Addressable	Constant-lighting control	Yes
Technology, sensors	High frequency, Mixed light metering	Interconnection	Yes
Mounting height	2,00 – 12,00 m	Type of interconnection	Master/master, Master/slave
Mounting height max.	12,00 m	Interconnection via	Bluetooth Mesh
Optimum mounting height	2,8 m	Product category	Presence detector
Montagehöhe max. True Presence Erfassung	4,00 m		

Optional system components

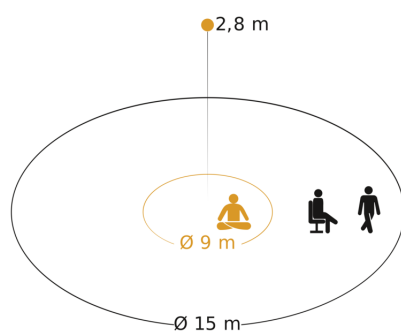
EAN 4007841 082123	Pushbutton coupler PC4-DALI-2 white
EAN 4007841 082109	Relais REL5A-DALI-2
EAN 4007841 084653	Wireless push button PB2-Bluetooth
EAN 4007841 084660	Wireless push button PB4-Bluetooth
EAN 4007841 067342	PC4 Bluetooth push-button coupler
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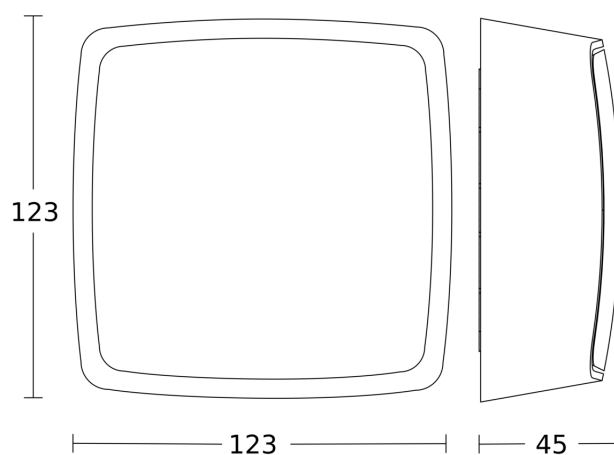


Detection Zone

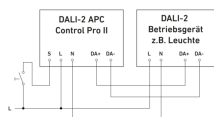


Possible mounting height: 2,00 m - 12,00 m
Orange: True Presence
Black: movement and presence

Dimension Drawing



Master circuit diagram



Master/slave interconnection circuit diagram

