

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

Montagehöhe max. True Presence Erfassung	4,00 m
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

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Technical specifications

Colour	white
Colour, RAL	9003
Includes corner wall mount	No
Installation site	ceiling
Installation	Surface wiring, Ceiling
IP-rating	IP54
Ambient temperature	from -20 up to 50 °C
Material	Plastic
Mains power supply	220 – 240 V / 50 – 60 Hz
Number of Dali users	64
Control output, Dali	Broadcast 64 electronic ballasts / Addressable
Technology, sensors	High frequency, Mixed light metering
Voltage range (min)	220 V
Voltage range (max)	240 V
Mounting height	2,00 – 12,00 m
Mounting height max.	12,00 m
Optimum mounting height	2,8 m

Functions	Selecting programmed lighting scenarios, Semi-/fully automatic, Constant-lighting control ON-OFF, Lighting scenario, Manual ON / ON-OFF, Neighbouring group function, Normal / test mode, TouchDIM function
Twilight setting	2 – 2000 lx
Time setting	20 s – 60 Min.
Basic light level function	Yes
Basic light level function time	1-60 min, all night
Main light adjustable	10 - 100 %
Twilight setting TEACH	Yes
Constant-lighting control	Yes
Interconnection	Yes
Type of interconnection	Master/master, Master/slave
Interconnection via	Bluetooth Mesh
Product category	Presence detector

Optional system components

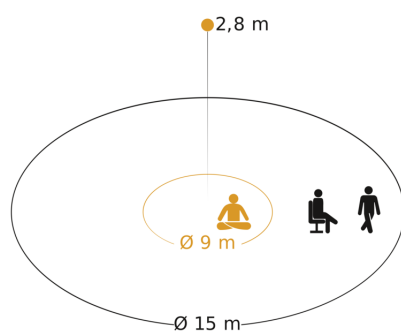
EAN 4007841 082123	Pushbutton coupler PC4-DALI-2 white
EAN 4007841 082109	Relais REL5A-DALI-2
EAN 4007841 084653	Wireless push button PB2-Bluetooth
EAN 4007841 084660	Wireless push button PB4-Bluetooth
EAN 4007841 067342	PC4 Bluetooth push-button coupler
EAN 4007841 067342	PC4 Bluetooth push-button coupler

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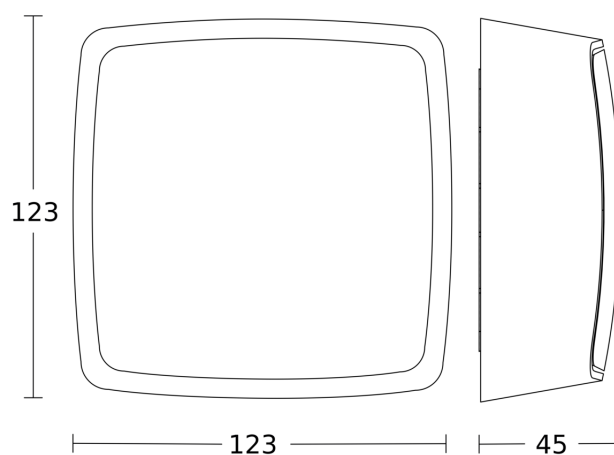


Detection Zone

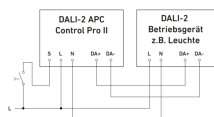


Possible mounting height: 2,00 m - 12,00 m
Orange: True Presence
Black: movement and presence

Dimension Drawing



Master circuit diagram



Master/slave interconnection circuit diagram

