

# LuxMaster True Presence

DALI-2 APC - concealed  
EAN 4007841 085599  
Article number 085599



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



IP20

## 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 m<sup>2</sup> – 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)  | 50 x 103 x 103 mm                                                                                                                                                                                                                                                                                                         |
| With motion detector    | Yes                                                                                                                                                                                                                                                                                                                       |
| Manufacturer's Warranty | 5 years                                                                                                                                                                                                                                                                                                                   |
| Settings via            | Bluetooth Mesh                                                                                                                                                                                                                                                                                                            |
| With remote control     | No                                                                                                                                                                                                                                                                                                                        |
| Version                 | DALI-2 APC - concealed                                                                                                                                                                                                                                                                                                    |
| PU1, EAN                | 4007841085599                                                                                                                                                                                                                                                                                                             |
| 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 <sup>2</sup> )            |
| Reach, tangential                             | Ø 15 m (177 m <sup>2</sup> )            |
| Reach, presence                               | Ø 15 m (177 m <sup>2</sup> )            |
| True Presence reach                           | Ø 9 m (64 m <sup>2</sup> )              |
| Transmitter power                             | < 1 mW                                  |

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|                            |                                                |
|----------------------------|------------------------------------------------|
| Colour                     | white                                          |
| Colour, RAL                | 9003                                           |
| Includes corner wall mount | No                                             |
| Installation site          | ceiling                                        |
| Installation               | Concealed wiring, Ceiling                      |
| IP-rating                  | IP20                                           |
| Ambient temperature        | from -20 up to 50 °C                           |
| Material                   | Plastic                                        |
| Mains power supply         | 220 – 240 V / 50 – 60 Hz                       |
| Power consumption          | 1 W                                            |
| 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, Multizone, Foldingdoor 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

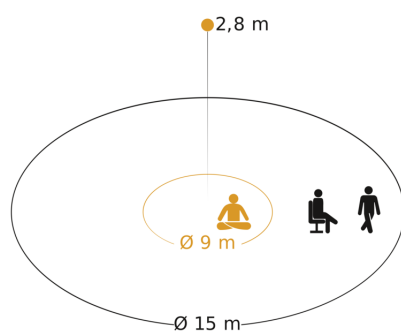
|                    |                                     |
|--------------------|-------------------------------------|
| EAN 4007841 082123 | Pushbutton coupler PC4-DALI-2 white |
| EAN 4007841 082109 | Relais REL5A-DALI-2                 |
| EAN 4007841 084653 | Wireless push button PB2-Bluetooth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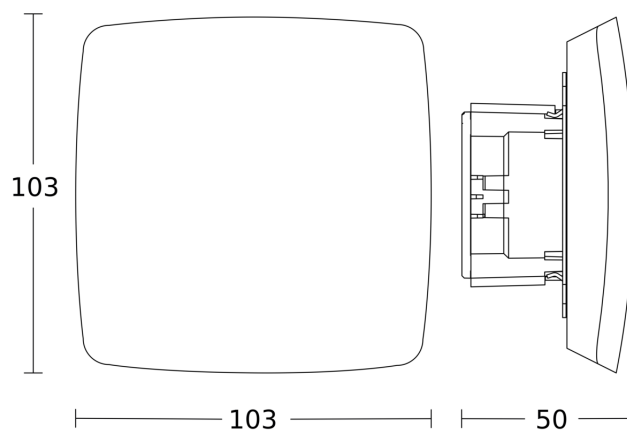


## Detection Zone

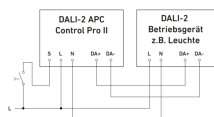


Possible mounting height: 2,00 m - 12,00 m  
Orange: True Presence  
Black: movement and presence

## Dimension Drawing



## Master circuit diagram



## Master/slave interconnection circuit diagram

