

**SPHINX 331 Motion detector**

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## 1. Designated use

**SPHINX 331** is a 1-channel motion detector for brightness-dependent and motion-dependent control of lighting.

**SPHINX 332** is a 2-channel motion detector for brightness-dependent and motion-dependent control, e.g. of lighting and ventilation systems. Both devices are used in the office and hallway areas. The devices are suitable for use in a normal environment.

## 2. Safety



**WARNING**

**Danger of death through electric shock or fire!**

- Installation should only be carried out by professional electrician!

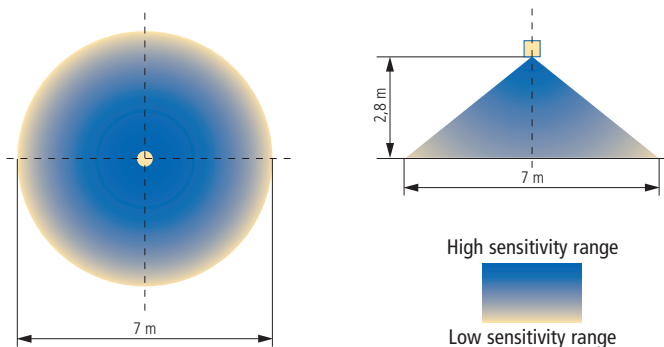
The regulations and instructions in the ZVEI/ ZVEH Handbook must be observed to ensure that the bus lines are installed and the units are commissioned in a professional manner.

Tampering with or making modifications to the device will invalidate the warranty.

## 3. Detection range

- max. 7 m diameter with 2.8 m installation height

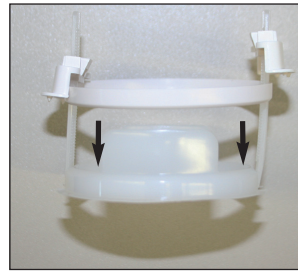
### Detection range



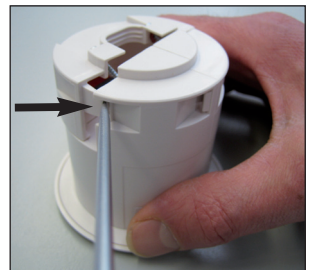
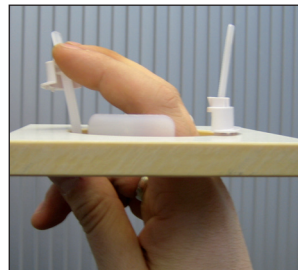
## 4. Installation

- for ceiling mounting
- Installation opening  $\varnothing$  64 mm (with compensating ring  $\varnothing$  68 mm)

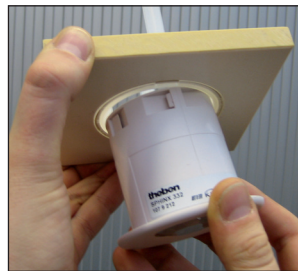
1. Fold fastening straps on ceiling hook upwards (with  $\varnothing$  68 mm use compensating ring).



2. Fix ceiling hook into the ceiling and adjust the fastening straps through the opening below so that the ceiling hook is firmly anchored.

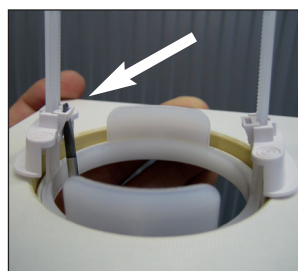


3. Push the device into the ceiling hook and fix in the ceiling.



## 5. Dismounting

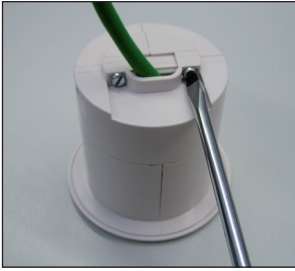
1. Turn the device slightly and pull from the ceiling hook.
2. Slacken the fastening straps on the ceiling hook using a screw driver.



3. Push the fastening straps upwards.

## 6. Bus connection

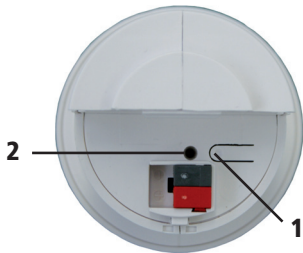
1. Connect bus cable to the bus line (red + / black –).
2. Attach bus terminal.
3. Close cover.
4. Tighten the enclosed screws.



## 7. Program physical address

Preparing to program the physical address.

1. Press programming key (1).
  - the programming LED (2) illuminates.
  - **SPHINX 331** and **SPHINX 332** are in programming mode.



### Additional option with SPHINX 332

1. Trace a magnet along the underside of the device.
  - LED (2) and LED (3) illuminate.
  - **SPHINX 332** is in programming mode.



Start-up, diagnostics and configuration are handled by ETS (EIB Tool Software).

## 8. Start-up

Please refer to the Product Handbook for detailed functional descriptions (also at [www.theben.de](http://www.theben.de)).

## 9. Technical data

### Motion detector

### SPHINX 331, SPHINX 332

Operating voltage (bus):	30 V
Current consumption (bus):	<10 mA
Bus interface module (BCU):	integrated
Detection range:	approx. 7 m diameter at a height of 2.8 m
Detection angle:	approx. 110°
Brightness measuring range:	0-700 Lux with correction factor 0-5600 Lux
Switch-off delay:	1 s – 120 min
Permissible ambient temperature:	–5 °C to +45 °C
Protection class:	III
Protection rating:	IP 20 in accordance with EN 60529
Equipment standard:	EN 60730-1
Installation opening:	Ø 64 mm or 68 mm with compensating ring
Front of housing:	Ø 76 mm
Installation height of housing:	approx. 5 mm
Installation depth of housing:	approx. 65 mm

Observe deviating technical data on the rating plate! Technical changes reserved. The devices comply with European Directives 73/23/EEC (low-voltage directives) and 89/336/EEC (EMC Directives).

If the devices are combined with others for use within a system, ensure that the system as a whole does not cause radio interference.

The ETS database can be found under [www.theben.de](http://www.theben.de)  
Please refer to the Handbook for detailed functional descriptions.

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