theben

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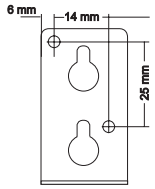
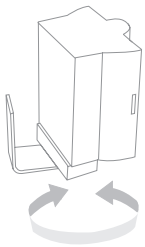
LUNA 131 9 200 EIB
Combined Sensor





1. Use

The combined sensor **LUNA 131 EIB** is suitable for the measurement of brightness and temperature in the EIB building control system.

2. Safety

Installation and connection of electrical appliances may be carried out by an expert in electrical engineering only.
The national regulations and safety rules must be observed. Please observe the rules and instructions in the ZVEI / ZVEH Manual for Building Control Systems to correctly lay the bus cables and to correctly perform the initial operation of the EIB devices.
Interventions in and modifications to the device will invalidate the expiry of the warranty.

3. Measuring ranges

Measuring range for the brightness measurement:

1 to 100 000 Lux (tolerance +/- 20% and/or +/- 5 Lux)

Measuring range for the temperature measurement:

- 25° Celsius to + 55° Celsius (tolerance 5% and/or +/- 1 degree)

(The larger tolerance each shall be applicable.)

4. Selection of the installation location

When selecting the installation location, please ensure

- that the combined sensor is not subject to any or only little soiling as a soiled sensor impairs the measurement of the brightness.
- that exposure to direct sunlight can affect temperature measurement.

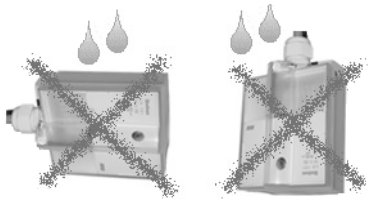
5. Installation of the sensor



Attach the combined sensor in vertical position only!

Consequence of non-observation!

Moisture and/or dirt can penetrate into the housing, resulting in a defect of the device and a short circuit of the bus line.



6. Bus connection

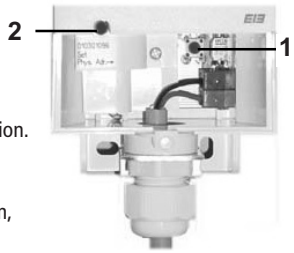
1. Push the bus cable through the twist joint into the terminal compartment.
2. Ensure the correct polarity when connecting the cable!
3. Connect the bus terminal to the cable inserted.
4. Press the bus terminal right down.
5. The LED flashes.



7. Input of the physical address

The physical address, the group addresses as well as the adjustment of the parameters are now assigned with the ETS2.

Load the application software:



1. Subsequently press key **1.**
   LED **2** flashes lighter.
2. ETS2 can be used to load the application.

Note:

When the device is ready for operation, the LED will stop flashing approx. 10 seconds after the bus voltage has been applied or the application has been loaded.
If this is not the case, no valid application program has been loaded.

8. Installation and care of the cover

Installation of the cover

1. Carefully place the cover on the device installed.
2. Screw down the cover.

Care of the cover

1. Now and then clean the cover so that the measuring values of the brightness measurement are not altered by deposits of dirt. Use a moist cloth for cleaning.

9. Technical data

Combined Sensor	**LUNA 131 0 200 EIB**
Operating voltage	Bus voltage
bus interface module	Integrated
Measuring range – temperature:	-25° C to +55° C
Tolerance	+/- 5% and/or +/- 1 degree
Measuring range – brightness:	1 to 100,000 Lux
Tolerance	+/- 20 % and/or +/- 5 Lux
Power consumption:	< 150 mW
Type of protection:	IP 54 in vertical position with cover attached

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