

theben

310 021 01

LUNA 130 9 200 EIB
Brightnessensor

1. Intended use

The brightness sensor is intended for illumination control of multilevel lightning equipment in offices, workshops, etc.
Operating of the brightness sensor **LUNA 130** only in closed housing.
Operating of the light sensor only in closed housing.

2. Function

The brightness sensor **LUNA 130** controls EIB actuators as function of ambient brightness. The ambient brightness is signalled to the brightness-sensor via a separately mounted light sensor. The maximum permitted line length is 100 m.

The unit features three switching channels which can be programmed mutually independently with the ETS2.

The following can be set for each channel:

- Switching threshold
- Switching behaviour in the case of "darker than threshold"
- Switching behaviour in the case of "brighter than threshold"

The ETS2 can be used to program the following jointly for the three channels:

- Delay time
- Hysteresis

3. Technical Data

Brightnes sensor
with integrated
Bus-Interface Modul

LUNA 130 0 200 EIB

Width: 2 modules
Brightnes range in accordance to the different application software:
Range 1: 1 ... 20 000 Lux
Range 2: 1 ... 100 Lux (ca. 1K ... 50 K)
100 ... 20 000 Lux (50 K ... 2,4 M)
Consumption: < 50 mW
Operating temperature: -5°C ... + 45°C (-5T45)
Enclosure after mounting: IP 21

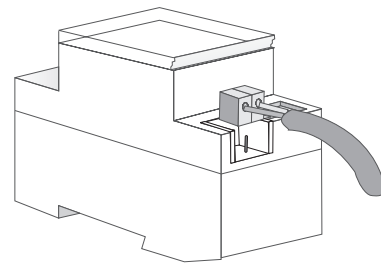
Sensor **907 0 008**
Operating temperature: - 40°C ... + 70°C (-40T70)
Enclosure after mounting: IP 54
Max. line length: ca. 100 m

4. Installation Instructions

Electrical devices should only be connected and installed by a skilled electrician. Take heed of the national regulations and the relevantly valid safety stipulations. Intervention and changes to the device shall cause the warranty rights to lapse.
The bus-line and the units must be installed and connected in accordance with the relevant guidelines, observing the EIB user manual Building Systems Engineering of the national EIBA.

5. Mounting/ initial startup

Observe polarity of bus-connection!
Insert bus-connection terminal!



6. Connection of the Sensor

Connection is made by an individually conducted two-core power-line.

Ensure when selecting the installation location:

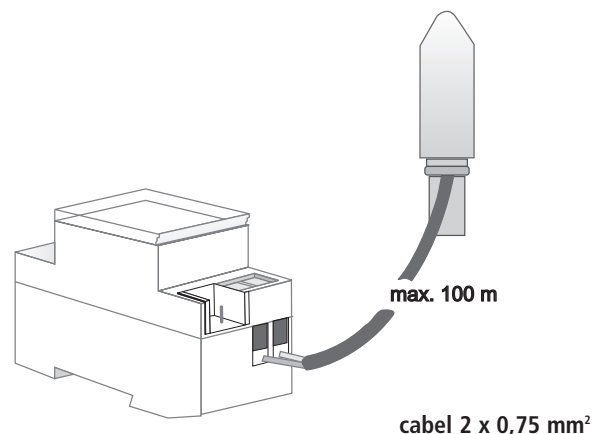
- No objects would cause shadows on the light sensor

If its intended to control an outdoor lightning:

- the light sensor should be pointed in an eastern direction

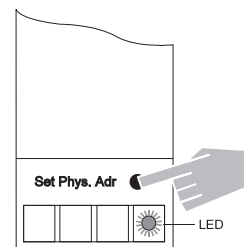
If its intended to control a room lightning system:

- the light sensor should be pointed in an northern direction



7. Setting Physical Address

The physical address and the group addresses are assigned and the parameters are set with the ETS2.



8. Service

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