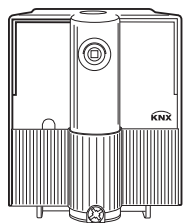


KNX brightness and temperature sensor

Operating instructions



Art. no. MTN663991

For your safety



DANGER

Risk of fatal injury due to electrical current.

All work on the device should only be carried out by skilled electrician. Observe the country-specific regulations as well as the valid KNX guidelines.

Getting to know the sensor

The KNX brightness and temperature sensor (referred to as **sensor** in the following) is suitable for brightness and temperature measurement in KNX building system technology. The measured values are sent to the bus.

Measurement range for brightness measurement:

1 to 100,000 lux ($\pm 20\%$ or $\pm 5\text{Lux}$)

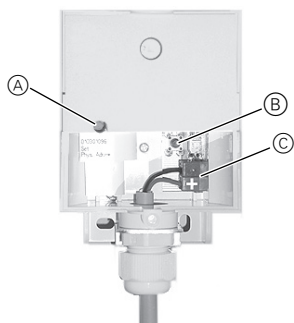
Measurement range for temperature measurement:

-25°C to $+55^{\circ}\text{C}$ ($\pm 5\%$ or ± 1 degree)



The larger tolerances are applicable for brightness and temperature measurement.

Connections, displays and operating elements



- (A) Programming LED
- (B) Programming button
- (C) Bus connecting terminal

How to install the sensor

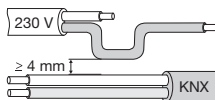


WARNING

Risk of fatal injury from electrical current.

The device could become damaged.

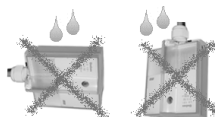
Safety clearance must be guaranteed in accordance with IEC 60664-1. There must be at least 4 mm between the individual cores of the 230 V supply cable and the KNX cable.



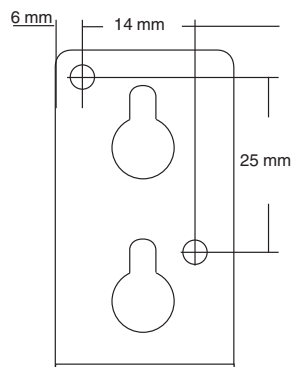
CAUTION

The device could become damaged.

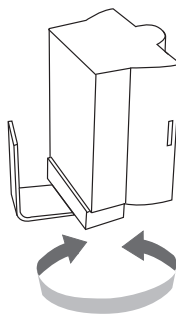
Moisture and dirt can penetrate the housing. This can result in device failure and a short circuit on the bus line. Always install the device vertically with the screw fitting facing downwards.



- ① Fix the sensor.



- ② Align the sensor.



How to connect the sensor

- ① Push the bus cable through the gasket into the terminal compartment.



Observe the correct polarity during connection.

- ② Connect KNX.
- ③ Connect the bus voltage.

The LED flashes.

How to operate the sensor

- ① Press the programming button.

The programming LED lights up.

- ② Load the physical address and application into the device from the ETS.

The programming LED goes out.

The application has been loaded successfully, the device is operative.



When the device is operative, the LED stops flashing approximately 10 seconds after connecting the bus voltage or after loading the application. Otherwise an invalid application program has been loaded.

How to installation and care the cover

Cover installation:

- ① Carefully fit the cover on the installed device.
- ② Screw on the cover.

Cover care:

Clean the cover at regular intervals so that dirt does not generate inaccurate brightness measurement values.



Use a damp cloth for cleaning.

Technical data

KNX:	DC 24 V
Measurement range	
Temperature:	-25°C to $+55^{\circ}\text{C}$ ($\pm 5\%$ or ± 1 degree)
Brightness:	1 to 100,000 lux ($\pm 20\%$ or ± 5 lux)
Power consumption:	< 150 mW
Type of protection when installed:	IP 54 when installed vertically with cover

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Center in your country.

www.schneider-electric.com

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.