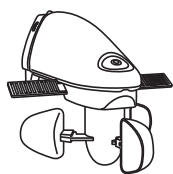


KNX Basic weather station

Operating instructions



Art. no. 663990

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.

WARNING
Danger of burns.
 Do not touch the rain sensor while it is in operation. It can become very hot.

CAUTION
The awning/blind could be damaged.
 Awnings/blinds require some time to retract when windy. Therefore set the wind thresholds below the value specified by the awning/blind manufacturer.

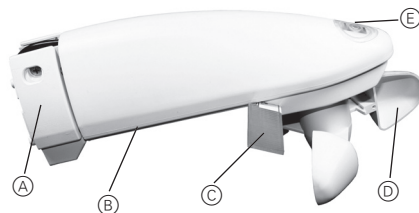
CAUTION
The sensor can be damaged.
 The wind sensor can freeze when it is windy and temperatures are considerably below the freezing point. Therefore, in addition to a wind threshold also use a temperature threshold (e.g. 0 °C).

i As the rain sensor only reacts to water droplets that are directly on the sensor, some time may pass between it starting to rain and the sensor detecting the rain, during which the awning may become wet. To avoid this use other values such as low brightness and wind.

Getting to know the weather station

The weather station is a combination unit which can be used as a sensor for detecting wind, rain, brightness and temperature in small commercial properties and residential properties. These values are then evaluated in the device.

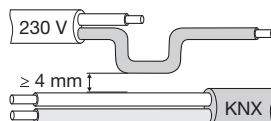
The weather station is suitable for use with the KNX bus together with the Merten product database. The measurement values for wind, temperature etc. are transmitted directly to the bus and are processed in the device.



- (A) Wall bracket
- (B) Temperature sensor
- (C) Rain sensor
- (D) Wind sensor
- (E) Light sensor

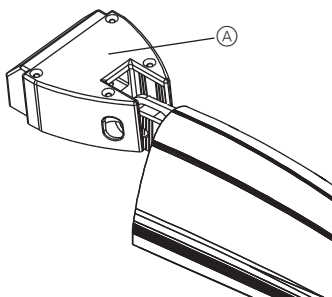
How to install the weather station

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 line.

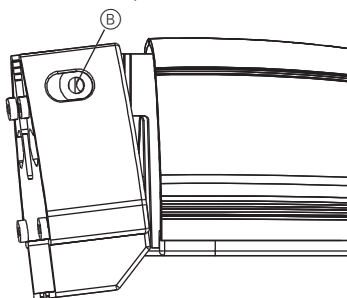


i The light sensor must be installed horizontally (light sensor on top and wind sensor underneath) near the sunshade in the sun and exposed to the wind. Shadows (from masts for example) and light reflexes must be avoided.

- ① Fastening the weather station using a wall bracket
 Wall bracket (A) rotated by 90°

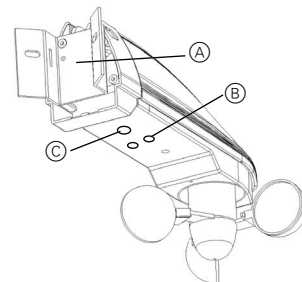


- The wall bracket can be rotated from -5° to 180°.
 Wall bracket rotated by 180°



- ② When set in position, fasten using screw (B).

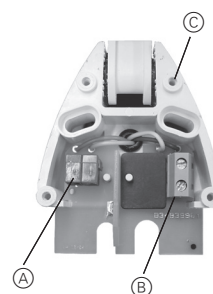
- ① Fastening the weather station on a mast or on a corner
 – For mast and corner installation, the wall bracket is installed using a mast and corner fastening (optional) (MTN 663992).



- (A) Mast fastening
- (B) Programming LED, programming button
- (C) Temperature sensor

How to connect the weather station

- ① Connecting the weather station

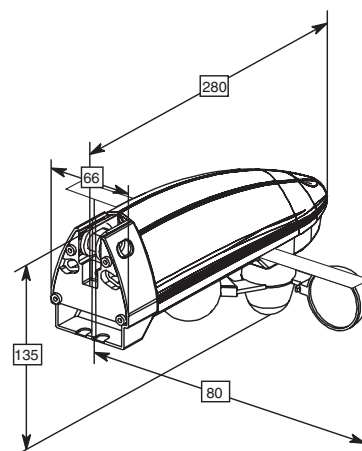


- (A) Bus connection
- (B) 230 volt connection
- (C) Wall bracket

How to operate the weather station

- 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.

Dimensions



Technical data

Measuring range: -20°C to +55°C
Brightness range: 1-100,000 Lux
Operating voltage: 230-240 V AC/50-60 Hz
Power consumption: < 10mA for bus voltage
Mains power consumption: 10 W with heating switched on
Type of protection: IP 44 in accordance with EN 60529
Mode of operation: RS type 1 in accordance with EN 60730-1
Protection class: II when installed correctly
Angle of detection: 150°
Mast fastening: Dm 60-80 mm (accessory)

Merten GmbH & Co. KG,
Lösungen für intelligente Gebäude
Service Center, Fritz-Kotz-Straße 8,
Industriegebiet Bomig-West
D-51674 Wiehl
Telefon: +49 2261 702-204
Telefax: +49 2261 702-136
E-Mail: servicecenter@merten.de
Internet: www.merten.de
InfoLine:
Telefon: +49 1805 212581* oder +49 800 63783640
Telefax: +49 1805 212582* oder +49 800 63783630
E-Mail: infoline@merten.de

* kostenpflichtig / fee required