

Wireless weather data transmitter module FWS61-24V DC CE

Wireless weather data transmitter module for the seven weather items sent by the multi-sensor MS. Only 0.3 watt standby loss.

For installation.

45mm long, 55mm wide, 18mm deep.

Power (24V DC) is supplied by the switch mode power supply unit SNT61-230V/24V DC-0,25A (33mm deep, 45mm long, 55mm wide). This switching power supply unit simultaneously supplies the multisensor MS including the heating of the rain sensor.

It is possible to use a deep UP box for the two devices.

This weather data transmitter module receives the seven momentary readings of the weather items: brightness (from three cardinal points), twilight, wind, rain and ambient temperature by cable J-Y (ST) Y 2x2x0,8 from the multi-sensor MS attached to the outside of the building. The readings are sent in the form of wireless telegrams over the Eltako network with the priorities listed below.

Evaluation is carried out by the FVS Wireless Visualisation and Control Software, the wireless multifunction sensor relay FMSR12 and the weather data display FWA55D (in preparation).

When the supply voltage is applied, a teach-in telegram is sent immediately and two status telegrams containing the momentary values are sent approx. 60 seconds later. At least every 10 minutes, but also:

Brightness values West, South and East each from 0 to 150 kLux if a change of minimum 10% occurs.

Twilight values from 0 to 999 Lux if a change of minimum 10% occurs.

Wind speeds from 0 to 70 m/s. From 4 m/s to 16 m/s, the momentary values are sent immediately 3 times at intervals of 1 second. After that, further value increases are sent within 20 seconds. Dropping wind speeds are sent progressively delayed by 20 seconds.

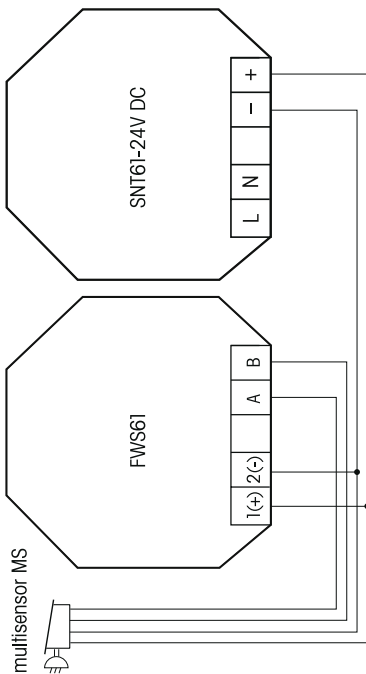
Rain values at the start are sent immediately 3 times. After the rain stops, a telegram is sent within 20 seconds.

Temperature values from -40.0°C to +80.0°C are sent every 10 minutes together with all the other values in a status telegram.

Monitoring multisensor function and line break. If the weather data message from multi-sensor MS is not sent for 5 seconds, the FWS61 immediately sends an alarm telegram which is repeated every 30 seconds. The alarm telegram can be taught-in as a switch telegram in an actuator to initiate further action as required. In addition, the two status telegrams containing the values brightness 0 Lux, twilight 0 Lux, temperature -40°C (frost), wind 70 m/s and rain are sent.

When a message is again detected from the multisensor MS, the alarm stops automatically.

Typical connection



Important note!

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock.