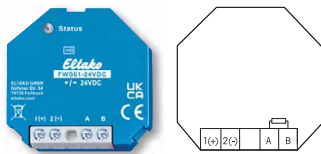


WIRELESS WEATHER DATA TRANSMITTER MODULE FWS61-24V DC



Manuals and documents in further languages:
https://eltako.com/redirect/FWS61-24V_DC

FWS61-24V DC



Wireless weather data transmitter module for the seven weather items sent by the weather data multi sensor WMS. With internal antenna. Only 0.3 watt standby loss.

For installation. 45 mm long, 45 mm wide, 18 mm deep. Power (24 V DC) is supplied by the wide-range power supply unit WNT61-24VDC/10W (33 mm deep, 45 mm long, 45 mm wide). This switching power supply unit simultaneously supplies the weather data multi sensor WMS (**hereinafter WMS**) 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 weather data multi sensor WMS attached to the outside of the building. The readings are sent in the form of wireless telegrams over the ELTAKO wireless network with the priorities listed below. Only one MS multisensor can be connected to a wireless weather data transmitter module FWS61. However, several FWS61 can be connected to a weather data multi sensor WMS. The external terminating resistor has to be present on only one FWS61. If there are other FWS61, it must be removed. The evaluation is made with a controller, the wireless multifunction sensor relay FMSR14, or the actuators FSB14 and FSB71.

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 99 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 weather data multisensor function and line break. If the weather data report from the WMS is not received for 5 seconds, the FWS61 immediately sends an alarm telegram and then every 30 seconds. This can be programmed into an actuator as a pushbutton telegram to initiate further actions if required. In addition, the two status telegrams are sent with the values brightness 0 lux, twilight 0 lux, temperature -40°C (frost), wind 70 m/s and rain. **The green LED does not light up for these status telegrams and alarm telegrams.**

If a signal from the WMS is detected again, the alarm stops automatically and the green LED lights up again with the next status telegram.

FWS61-24V DC	Wireless weather data transmitter module	Art. No. 30000305	79,60 €/pc.
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