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 (24V DC) is supplied by the switch mode power supply unit WNT61-24VDC/10W (33 mm deep, 45mm long, 45mm wide). This switching power supply unit simultaneously supplys the weather data multi sensor 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 weather data multi sensor WMS 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 and/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 multisensor function and line break. If the weather data message from weather data multi sensor WMS 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.

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