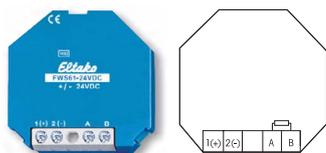


WIRELESS WEATHER DATA TRANSMITTER MODULE FWS61-24V DC, MULTI SENSOR MS AND POWER SUPPLY UNIT SNT61



FWS61-24V DC



Wireless weather data transmitter module for the seven weather items sent by the multisensor MS. 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 SNT61-230V/24V DC-0,25A (33 mm deep, 45mm long, 45mm 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 multisensor MS 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 multisensor MS. 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 the wireless building visualization and control software GFVS, 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 70m/s. From 4m/s to 16m/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 multisensor 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.

FWS61-24V DC	Wireless weather data transmitter module	EAN 4010312301937	67,10 €/pc.
--------------	--	-------------------	-------------

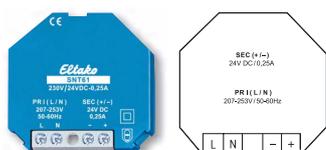


MS

Multi sensor MS

The MS multi sensor sends the current weather details, including brightness (from three points of the compass), wind, rain and frost, to the weather data transmitter module FWS61 connected in series once per second. A standard telephone wire is sufficient as connecting lead: J-Y(ST)Y 2x2x0,8 or equivalent. 100 m line length is permitted. Solid plastic housing, LxWxH = 118x96x77mm. Degree of protection IP44. Temperature at mounting location -30°C to +50°C. A power supply unit SNT61-230V/24V DC-0,25A is required for the power supply, including heating of the rain sensor. This simultaneously supplies the wireless weather data transmitter module FWS61-24V DC.

MS	Multi sensor	EAN 4010312901731	251,50 €/pc.
----	--------------	-------------------	--------------



SNT61-230V/24V DC-0,25A



Rated capacity 6W. Standby loss 0.1 watt only.

Built-in device for installation. 45 mm long, 45 mm wide, 33 mm deep. Input voltage 230 V (-20% up to +10%). Efficiency 82%. Stabilised output voltage ±1%, low residual ripple. Short-circuit proof. Overload protection and over-temperature switch-off by means of switching off with automatic switching-on after fault clearance (autorecovery function).

SNT61-230V/24V DC-0,25A	Power supply unit	EAN 4010312301326	49,60 €/pc.
-------------------------	-------------------	-------------------	-------------

Only required for the weather data transmitter module FWS61