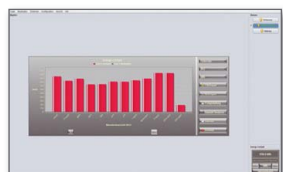With the Wireless Visualisation and Control Software GFVS-Energy and the USB receiver FAM-USB, the wireless telegrams of the wireless energy meter transmitter module FSS12 or the two- and three-phase energy meters and the transmitter modules can be received or displayed on the PC.

⚠ **Caution! The software GFVS-Energy is contained in the Wireless Visualisation and Control Software GFVS 4.0 and need not be installed separately.**

with FAM-USB

GFVS-Energy

Wireless Visualisation and Control Software for up to 100 electricity meters with S0 interface with FSS12 energy meter transmitter modules as well as wireless two-way energy meter, wireless three-phase energy meter and wireless energy meter transmitter modules.

The software can be downloaded for free from the Eltako homepage. The software GFVS 4.0 on the Smart Home central unit GFVS-SafeIV can evaluate up to 250 energy meters. **The wireless receiver FAM-USB** with USB port is required for PC reception and if required for transmitting wireless telegrams from a PC to load shedding relay and is not included in the scope of supply. It must be licenced via web.

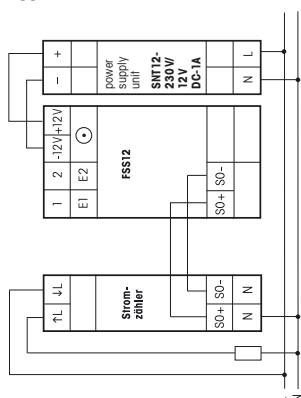| FAM-USB	Wireless USB receiver/transmitter	EAN 4010312312971	79,90 €/pc.
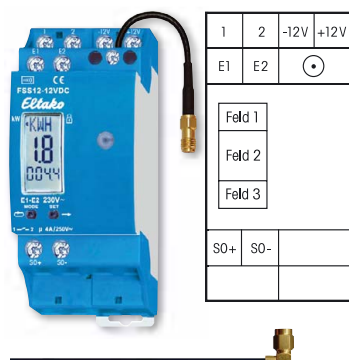
The enclosed small antenna can be replaced with a wireless antenna FA250 with magnetic base and cable.

Typical connection

FSS12-12V DC

Wireless energy meter transmitter module for connection to S0 interface of many single-phase energy meters and three-phase energy meters. Only 0.5 watt standby loss. With load shedding relay 1 NO contact potential free 4 A/250 V. With exchangeable antenna. If required, a wireless antenna FA250 can be connected.

Modular device for DIN-EN 60715 TH35 rail mounting. 2 modules = 36 mm wide, 58 mm deep. **The energy meter transmitter module FSS12 evaluates the signals from the energy meter S0 interface and transmits wireless telegrams containing consumption and meter reading to the Eltako wireless network for evaluation on a PC using the Visualisation and Control Software GFVS 4.0 and GFVS-Energy. On three-phase energy meters, the data sent includes normal rate (HT) or off-peak (NT) energy tariff data, provided the E1/E2 terminals on the three-phase energy meter are connected to E1/E2 on the FSS12. From production week 42/2012 also with adjustable pulse rate.** GFVS-Energy supports up to 100 transmitter modules and GFVS 3.0 up to 250 transmitter modules. The 12 V DC supply voltage is powered at 12 W by a switch mode power supply unit SNT12-230V/12 V DC-1 A that is only 1 pitch unit wide. If the relay of the FSS12 is switched on, a power of 0.6 watts is required.

The setting and display screen is subdivided into 3 fields:

■ **Field 1:** The normal display is the unit of the meter reading currently displayed in Field 3. This alternates every 4 seconds with either kilowatt hours kWh (KWH in display) or megawatt hours MWh (MWH in display). The display in Field 1 is supplemented by a + sign after the reading to indicate that the off-peak tariff rate is applied to E1/E2.

■ **Field 2:** Instantaneous values of energy consumption (active power) in watt (W) or kilowatt (kW). The left-pointing arrow in Field 1 indicates an automatic switchover from 0 to 99 W to 0.1 to 65 kW.

■ **Field 3:** The meter reading is the normal display. Every 4 seconds the display alternates between 3 whole numbers and 1 decimal point (from 0.1 to 999.9 kWh) and 1 or max. 3 whole numbers (from 0 to 999 MWh). The meter reading is displayed without decimals in increments of 1 kWh with freely chosen pulse rates whose last digit is not 0.

Wireless telegrams: Within 20 seconds, a power telegram is sent if the power changes by minimum 10%. A switchover from HT to NT is transmitted immediately in the same way as a meter reading change. A full telegram comprising meter reading HT, meter reading NT and power is transmitted 20 seconds after the power supply is switched on and then every 10 minutes. The LED lights up briefly when a telegram is transmitted.

For settings with the buttons MODE and SET see the operating instructions.

FSS12-12V DC	Wireless energy meter transmitter module	EAN 4010312301944	87,00 €/pc.