

Wireless single-phase energy meter transmitter module FWZ12-16A

Wireless single-phase energy meter transmitter module, maximum current 16A.

Only 0.5 watt standby loss.

Modular device for DIN-EN 60715 TH35 rail mounting. 1 module = 18mm wide, 58mm deep.

This single-phase energy meter measures active energy by means of the current between input and output and transmits the consumption and meter reading over the Eltako wireless network.

Accuracy class B (1%).

Evaluation on PC using the Visualisation and Control Software FVS or the energy consumption indicators FEA55LED or FEA55D.

FVS-Energy and FVS-Home support up to 100 transmitter modules, FVS-Professional up to 250 transmitter modules.

The internal power consumption of max. 0.5 watt active power is neither metered nor indicated.

Like all meters without PTB or MID approval in Germany, not approved to levy electricity charges.

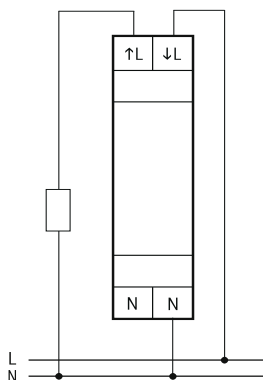
1 phase conductor with a max. current up to 16A can be connected. The inrush current is 20mA. The consumption is saved to a non-volatile memory and is immediately available again after a power failure.

Wireless telegrams: A telegram is transmitted within 20 seconds if the power status changes by min. 10 percent. A change in meter reading is transmitted immediately. A full telegram comprising meter reading and power status is transmitted every 10 minutes.

When the power supply is switched on, a **teach-in telegram** is sent to teach in the associated energy consumption indicator.

If the L input and the L output were interchanged when hooked up, a normal rate (HT)/off-peak (NT) switchover telegram is transmitted to indicate the hook-up error.

Typical connection



Technical Data

Rated voltage	230V, 50Hz,
Extended range	-20%/+15%
Reference current I_{ref}	5 (16)A
(Limiting current I_{max})	
Internal consumption	0.5W
Active power	
Accuracy class $\pm 1\%$	B
Inrush current according to accuracy class B	20mA
Maximum conductor cross section	6 mm ²

Important note!

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