



30 000 308 - 2

Wireless single-phase energy meter transmitter module

FWZ12-65A

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

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Wireless single-phase energy meter transmitter module, maximum current 65 A. With internal antenna. Only 0.5 watt standby loss.

Modular device for DIN-EN 60715 TH35 rail mounting.

1 module = 18 mm wide, 58 mm deep.

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

Accuracy class B (1%).

Evaluation and smart connection via a Smart Home controller.

Visualization of the the energy consumption also via a FEA65D.

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

Like all meters without declaration of conformity (e.g. MID), this meter is not permitted for billing.

1 phase conductor with a max. current up to 65A can be connected.

If the anticipated load exceeds 50%, maintain an air gap of 1/2 pitch unit to the devices mounted adjacently. If necessary, use spacer DS12.

The inrush current is 40 mA.

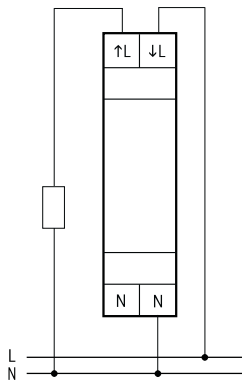
The consumption is saved to a non-volatile memory and is immediately available again after a power failure.

Wireless telegrams: A telegram is transmitted within 60 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	230 V, 50 Hz,
Extended range	- 20% / + 15%
Reference current I_{ref} (Limiting current I_{max})	10 (65) A
Internal consumption	0.5 W
Active power	
Accuracy class $\pm 1\%$	B
Inrush current according to accuracy class B	40 mA
Maximum conductor cross section ¹⁾	L terminals 16 mm ² N terminals 6 mm ²
Recommended torque ²⁾	
L terminals	1.5 Nm (max. 2.0 Nm)
K terminals	0.8 Nm (max. 1.2 Nm)

¹⁾ The carrying capacity of cables and wires is defined in DIN VDE 0298-4.

²⁾ **The torques for screw terminals are mentioned in DIN EN 60999-1.** To avoid damages at the energy meter, the recommended torque values for each terminal must not be exceeded!



Frequency	868.3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type FWZ12-65A is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: eltako.com

Must be kept for later use!
We recommend the housing for operating instructions GBA14.

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