Eltako ELECTRONICS

Energy consumption indicator CE FEA55D

Wirless energy consumption indicator with display for individual fitting and integration in the 55x55 mm and 63x63 mm switch system. Standby loss 0.8 watt only.

The scope of supply comprises the frame R and one intermediate frame ZR (all same colour) and the mounting base.

In addition, an intermediate frame ZRF in the same colour is supplied for installation in an existing frame R1F, R2F or R3F for flat push-buttons.

Power supply 230 V.

A 20 cm long black/blue connecting wire is routed to the rear.

Before screwing on, remove the frame and intermediate frame from the mounting plate. To do this, press out the catches on the mounting plate. Then screw on the mounting plate - with the catches at the top and bottom -, snap on the frame and the intermediate frame, and connect and snap on the energy consumption indicator.

We recommend sheet metal countersink screws 2.9x25 mm, DIN 7982 C, for screw connections on 55 mm switch boxes.

The energy consumption indicator evaluates the information received from the wireless energy meter transmitter module FSS12 or the wireless single-phase energy meters FWZ12- or FWZ61-16A and indicates the current energy consumption from 15 W up to 65 kW.
In addition, the consumption of the past hours, days, months and years are retrievable.

The normal rate and off-peak status are also displayed on the FSS12 by an LED.

Display readings

The standard display appears after power is applied. The power consumption is displayed alternating for a duration of 4 seconds.
The reading, comprising 7 digits of which there is one decimal place, ranges from 0.1 to 999999.9 kWh or the actual value of the power consumption from 15 P to 65000 P (active power) in watts (W).

Press the top button MOD to page through the display options. They are indicated by a bar: h (hours), d (days), m (months), y (years), LRN.

Press the bottom button SEL within the display options. Each press of the button increments the number displayed by 1 and the actual value is indicated in the display. The last full hour then becomes the last hour but one, etc.

h01 = shows the consumption for the last hour up to h24 = 24 hours ago.

d01 = shows the consumption for the last day up to d31 = 31 days ago.

m01 = shows the consumption for the last month up to m12 = 12 months ago.

y01 = shows the consumption for the last year up to y24 = 24 years ago.

The program returns to the standard display mode automatically if MOD or SEL are not operated for 20 seconds or if you press both buttons briefly simultaneously.

Teaching-in wireless energy meter transmitter modules

Press MOD to select LRN. Then press SEL to activate the teach-in mode. An activated teach-in mode is indicated by a bar blinking next to LRN. After successful teach-in of the wireless energy meter transmitter module, the program jumps back automatically to normal display. Only one transmitter module can be taught-in. The last module taught-in is active.

Reset

To start saving the values to the nearest hour, we recommend performing a reset at an opportune moment after installation. Hold down the buttons MOD and SEL simultaneously for 3 seconds until a bar appears next to Reset. Then press SEL briefly to reset all memories. Afterwards the program returns automatically to standard display mode.

Tariff display

LED lights up red = normal rate (HT) enabled

LED lights up green = off-peak (NT) enabled

If no wireless telegram is received for longer than 22 minutes, there is no tariff display.

Important note!

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

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