Eltako
ELECTRONICS

Wireless energy consumption indicator with LED FEA55LED $\,$ CE

Wirless energy consumption indicator with 10 red LEDs 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 FWZ61-16 A or from a wireless impulse switch with integrated relay function with active current meter FSR70W-16 A respectively with power measurement FSR61VA-10 A and indicates the current energy consumption by a row of LEDs.

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

The 15 W to 30 kW reading is adaptable to maximum expected consumption using a rotary switch to visualise even minor changes. There are 5 ranges to choose from, starting on the left with 1, 3, 7, 15 and 30 kW. On the energy consumption indicator, a maximum of 5 out of 10 LEDs light up simultaneously, and the last clockwise LED lights up the brightest. If one range setting is exceeded, the last LED flashes.

A light sensor controls the brightness of the LEDs depending on the ambient brightness.

Teaching-in wireless energy meter transmitter module

After applying the power supply, a running light starts. To activate the teach-in mode, turn the rotary switch from the left-hand end stop to the middle 3 times and then turn it back to the left-hand end stop within 2 seconds. The running light ends and the tariff display lights up alternating in green and red. After successfully teaching-in a wireless energy meter transmitter module, the tariff display in the middle lights up either in red (FWZ61 and FWZ12) or goes out (FSS12). Only one transmitter module can be taught-in. The last module taught-in is active.

If no wireless telegram is received for a period of longer than 22 minutes, a running light starts as fault display.

Tariff display in the middle with taught-in FSS12

LED lights up red = normal rate (HT) enabled
LED lights up green = off-peak (NT) enabled

Important note!

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