


Energy consumption indicator   
FEA55D

**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%.

**! Note: Select English language!\***

Wireless energy consumption indicator with display for individual fitting and integration in the 55x55 mm or 63x63 mm switch system. For up to 20 wireless single-phase energy meters, wireless three-phase energy meters and energy meter transmitter modules. Standby loss 0.2 watt only.

The scope of supply includes a frame R, an intermediate frame ZR in the same colour, and a mounting plate. In addition, an intermediate frame ZRF in the same colour is supplied for installation in an existing frame R1F, R2F or R3F for flat pushbuttons.

Power supply 12V DC.

A 20cm long red/black 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 countersunk screws 2.9x25mm, DIN 7982 C, for screw connections on 55mm switch boxes. The energy consumption indicator evaluates the information of the wireless two-phase energy meters FWZ12 and FWZ61, the RS485 two-phase energy meter

transmitter module FWZ14-65 A, the RS485 three-phase energy meters DSZ14DRS and DSZ14WDRS as well as the wireless energy meter transmitter module FSS12.

The last energy meter selected is displayed from EM01 to EM20: the accumulated energy consumption (meter reading) in kWh with 7 digits, of which one digit is a decimal point, and the currently consumed active power (momentary capacity) from 15 watts to 65,000 watts.

The data of one energy meter transmitter module FSS12 and one RS485 three-phase energy meter DSZ14DRS also contains separate values for normal rate (HT) and off-peak (NT), both of which are displayed. Momentary capacity is also identified accordingly.

If no wireless telegram is received for longer than 20 minutes, *no data* is displayed for the associated meter.

**Select meter:**

Normal display: Press SET to browse to the next meter (EM01 to EM20). The displayed meter remains on screen as normal display.

When you press MODE for longer than two seconds, the display goes to energy meter EM01.

**Display statistics for meter EM01:**

For energy meter EM01, an additional statistic can be displayed for total energy consumption over the last hours, days, months and years. This is obtainable by briefly pressing MODE.

*statistic* appears in the display. Press MODE to browse through all the possible displays *consump. total, hour, day, month* and *year*.

**Press the button SET** 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.

Hour 01 = Displays consumption over the last full hour to 24 = 24 hours ago.

Day 01 = Displays consumption of the last full day up to day 31 = 31 days ago.

Month 01 = Displays consumption of the last full month up to month 12 = 12 months ago.

Year 01 = Displays consumption of the last full year up to year 24 = 24 years ago. 20 seconds after last pressing MODE or SET, and if you press and hold down MODE for longer than 2 seconds, the program revert automatically back to normal display.

**Reset statistics for meter EM01:**

To start saving parameters on the hour, we recommend resetting the memory at an appropriate time after installation. Normal display EM01: Press MODE briefly. Press SET to search the *clear* function. Press MODE to confirm. *all data* appears in the display. When you press MODE to confirm, *press SET to erase* appears in the display. When you press SET to start, *erasing finished* appears in the display on completion of the clear operation. Press MODE to confirm. When you press MODE to confirm *press SET to erase, erasing cancelled* appears in the display. This is followed by the normal display after 2 seconds.

**Teach-in wireless energy meter transmitter modules:**

Normal display: Press MODE briefly and press SET to search for the *learn* function. After you press MODE to confirm, *wait for telegram* appears. A wireless energy meter transmitter module must then send a teach-in telegram. After this telegram is received, *get telegram* appears in the display. When you press MODE to confirm, the normal display appears. You can only exit the teach-in mode by pressing and holding down the MODE button. The normal display then reappears.

**Clear wireless energy meter transmitter modules:**

Normal display: Press MODE briefly then press SET to search for the *clear* function. Press MODE to confirm. Press SET to select between *all ID's* and *one ID*.

- When you press MODE to confirm *all ID's*, *press SET to erase* appears in the display. When you press SET to start, *erasing finished* appears in the display on completion of the clear operation. Press MODE to confirm. All taught-in wireless energy meter transmitter modules are cleared.

When you press MODE to confirm *press SET to erase, erasing cancelled* appears in the display. This is followed by the normal display after 2 seconds. - After you press MODE to confirm *one ID, wait for telegram* appears in the display. The cleared wireless energy meter transmitter module must then send a teach-in telegram. After this telegram is received, *get telegram* appears in the display. After you press MODE to confirm receipt, press SET to select between *don't erase ID* or *erase ID*. After you press MODE to confirm, the normal display reappears.

You can exit clear mode by pressing and holding down the MODE button for longer than 2 s. The normal display then reappears.

**\*Set language:**

After the power supply is applied, language selection is enabled for 10 seconds. The display indicates *deutsch*. Press SET to change the language to *english*. Press MODE to confirm your selection. This is followed by the normal display.

**Must be kept for later use!**

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