



Wireless energy consumption
indicator FEA65D

**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
mounting into the E-design switching
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.

Power supply 12V DC. A 20cm long
red/black connecting wire is routed to the
rear.

The complete module can be removed
from the frame for screw mounting.

We recommend stainless-steel counter-
sunk screws 2.9x25mm, DIN 7982 C,
for screw connections. Both with rawl
plugs 5x25mm and with 55mm switch
boxes. Set of 2 stainless-steel counter-
sunk screws 2,9x25mm and plugs
5x25mm are enclosed.

The energy consumption indicator evalu-
ates the information of the wireless two-
phase energy meters FWZ12 and FWZ61,
the RS485 two-phase energy meter
transmitter module FWZ14-65A, 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 dis-
played from EM01 to EM20: the accumu-
lated 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 dis-
played 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 incre-
ments the number displayed by 1 and
the actual value is indicated in the dis-
play. 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 trans-
mitter 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 con-
firm, 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 dis-
play. 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 con-
firm 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 2s. 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.

EnOcean wireless

Frequency	868.3 MHz
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**Hereby, Eltako GmbH declares that the
radio equipment type FEA65D 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!

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