

GENERAL WARNINGS
1. Read the instructions. Heart attack, burns and other injuries. Disconnect the power supply and load before installing the analyzer. Protect terminals with covers. The energy analyzer should only be installed by qualified/authorized personnel.

These instructions are an integral part of the product. They should be consulted for all situations tied to installation and use. They should be kept within easy reach of operators, in a clean place and in good conditions.

Preliminary MID setting (first switch-on only)
Before switching on the instrument and proceeding with the preliminary MID setting, check the integrity of the seals (Fig. 2).

Part number (analyzer side) EM330-DIN
AVx: 400 V L-L AC, 50/60 Hz, 3-wire or 4-wire three phase system, 50 to 240 V AC

Product (Fig. 1)
1. Current, voltage and communication connection terminals.
2. Backlit LCD display with sensitive touch screen area.
3. Model, feature summary and serial number.
4. Pulse output (two possible connections).

Connection diagrams
Diagram 1: One phase, 2 wires (CT connection).
Diagram 2: One phase, 2 wires (VT/CT connection).
Diagram 3: Two phase, 3 wires (CT connection).

Initial assumptions. The analyzer checks whether connections are correct and signals any faults. The check can be disabled using the install, parameter, see Parameter menu (Fig. 25).

Menu map (Fig. 22)
Area A: Functional measurement. Measurements displayed by default when turned on.
Area B: Parameter menu. Parameter settings, pages. Require login password.

Measurement menu (Fig. 24)
NOTE: only displayed if Full display mode is set (Mode = Full).
General measurement pages
00 Total imported active energy**
01 Total active power**
02 Total imported active energy**

Setting a parameter (Fig. 23)
NOTE: The first displayed value is the current one. Settings are applied when the value is confirmed.
NOTE: After 120 s of inactivity, the measurement page set in Home is displayed and the command only works if touched twice. The display back light turns on.

Measurement faults
If the measured signal exceeds the admitted authority limits, a specific message appears:
*** EEE indicates the measured value is out of limits.
*** EEE on: the measurement depends on a value that is out of limits.

Parameter menu (Fig. 25)
Shared pages
PASS P1 Enter current password
nPASS P2 Change password
SYSTEM P3 System type

Pages specific to the S1 version (Fig. 27)
Page Code Description
PASS P1 Password
nPASS P2 Change password

Pages specific to the O1 version (Fig. 27) X option
Page Code Description
PULSE P12 Pulse time (ON time, milliseconds)
Pulse weight (as an LED pulse weight, see LED specification table on first column proportional to the product of the CT and VT ratios).

Pages specific to the M1 version (Fig. 27)
Page Code Description
Pulse weight (as an LED pulse weight, see LED specification table on first column proportional to the product of the CT and VT ratios).

Pages specific to the S2 version (Fig. 27)
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