

Energy consumption indicator EVA12-32A



! Note: Select English language!*

Maximum current 32A, standby loss 0.3 watt only.

Modular device for DIN-EN 60715 TH35 rail mounting.

1 module = 18 mm wide, 58 mm deep.

The energy consumption indicator EVA12 uses the current between input and output to measure active energy in the same way as a single-phase power meter. It saves the consumption parameter in a non-volatile memory.

Accuracy conforms to Class B MID (1%) like all Eltako single-phase energy meters, the inrush current is also 20 mA.

In this way the energy consumption indicator reproduces exactly the reading on the billing energy meter installed at a different location in the building.

The display is subdivided into 3 segments.

- **Segment 1:** This display refers to the cumulative value in segment 3.
IIII moving slowly to the right = Segment 3 shows the cumulative consumption since last total reset. This is the display standard mode.

H01 = Segment 3 shows the consumption for the last hour up to H24 = 24 hours ago.

D01 = Segment 3 shows the consumption for the last day up to D31 = 31 days ago.

M01 = Segment 3 shows the consumption for the last month up to M12 = 12 months ago.

Y01 = Segment 3 shows the consumption for the last year up to Y24 = 24 years ago.

- **Segment 2:** Instantaneous values of energy consumption (active power) in watt (W) or kilowatt (kW). The display arrows on the left and right show the automatic change W and kW.

- **Segment 3:** Cumulative value in kWh.

* **Press the left button MODE** to scroll down the display options which are shown in segment 1: H01, D01, M01 and Y01 as described above. Finally, press MODE to show the abbreviation of the set language, e.g. GB for English, D for German and F for French.

Press the right button SELECT once within the display options to increment the indicated figure by 1. The corresponding value is indicated in segment 3. The last clock hour then becomes the hour before last, etc.

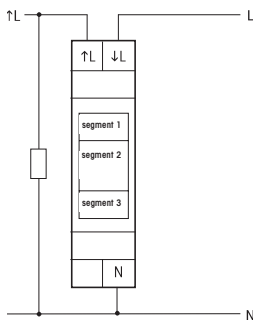
If the active language was selected with MODE, press SELECT to switch to a different language. Exit the new language setting by pressing MODE to activate the setting.

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

Total reset

To start saving the values to the nearest hour, we recommend performing a total reset at an opportune moment after installation. Hold down the buttons MODE and SELECT simultaneously for a further 5 seconds until RES appears. Then press SELECT briefly to reset all memories. Afterwards the program returns automatically to standard display mode.

Typical connection



Technical Data

| | |
|--------------------------------------------------------------|-------------------------------------------------------------------------------|
| Operating voltage | 230V, 50Hz, |
| extended range | -20% / +15% |
| Reference current I_{ref} (Limiting current I_{max}) | 5 (32) A |
| Internal power consumption active power | 0,3 W |
| Display active power | LC display |
| Accuracy class for $\pm 1\%$ | B |
| Inrush current according to accuracy class B | 20 mA |
| Operating temperature | -10/+55°C |
| Protection degree | IP 50 for mounting in distribution cabinets with protection class IP 51 |
| Maximum conductor | 6 mm ² cross section |



The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Warning!

Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.