

Vemer S.p.A.

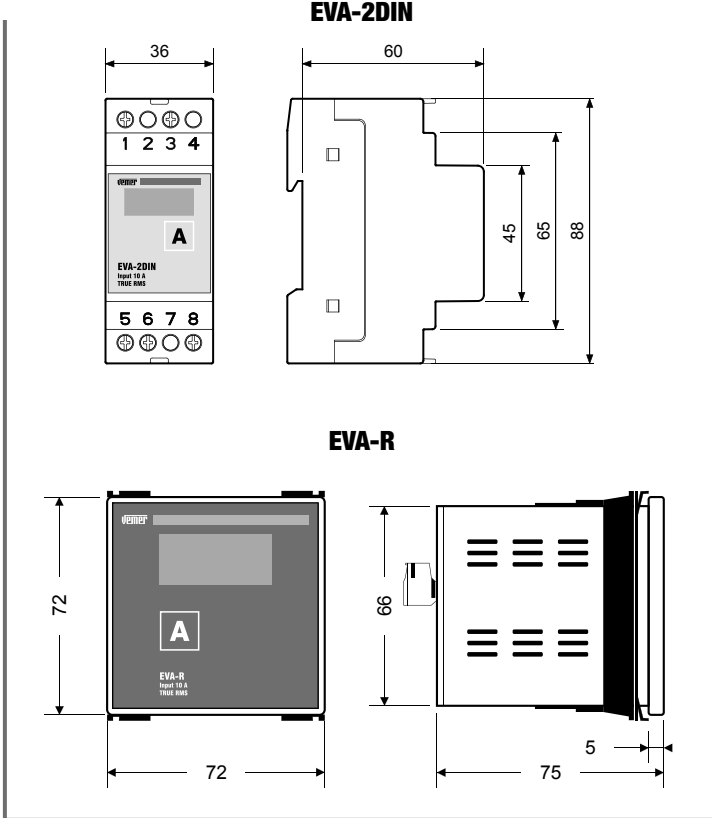
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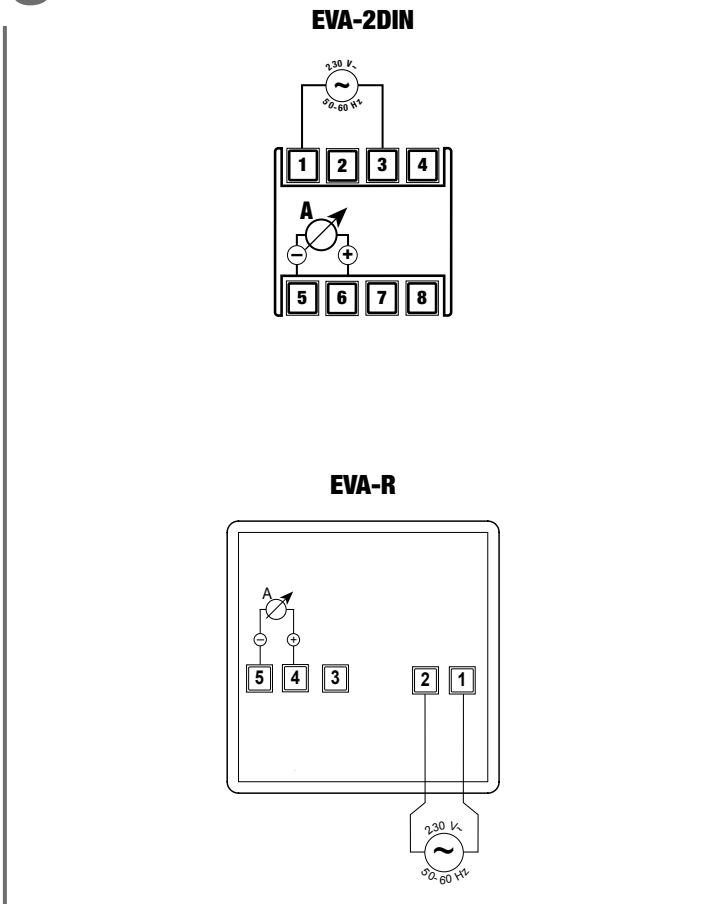
Mod. EVA-2DIN EVA-R



2 DIMENSIONS



3 CONNECTION DIAGRAMS



1 User Manual TRMS DIGITAL AMMETER

⚠ Read all the instructions carefully

EVM is an electronic device to measure true effective value (TRMS) of alternate currents in single-phase systems.

Code	Model	Description
VM257300	EVA-2DIN	Ammeter AC 2DIN
VM324100	EVA-R	VAmmeter AC 72x72mm

SAFETY WARNINGS

During the installation and operation of the device, proceed in accordance with the instructions below:

- 1) The device should be installed by a competent operator following the connection diagrams carefully
- 2) Do not power or connect the device if any part of it is damaged
- 3) The device should be installed in a panel from which no access can be gained to the terminals after installation
- 4) The electrical system of the building in which the instrument is to be installed should have a switch and a protective device against over-currents
- 5) The device is designed for installations with over-voltage category III and pollution level 2, in accordance with the EN 61010-1 standard.
- 6) The device must be installed and put into operation in accordance with the current regulations regarding electrical systems.

TECHNICAL SPECIFICATIONS

- Power supply
 - 230 V AC (-15% ÷ +10%) 50/60Hz
 - Maximum consumption: 2 VA
- Current measurements:
 - direct connection up to 10A
 - resolution: 10mA
 - minimum measurable signal: 300 mA
 - accuracy: $\pm 0.5\%$ of full scale ± 1 digit (from 3% to 100% of F.S.)
 - maximum power consumption: 1.5 VA
- Terminals for links:
 - connection blocks for cables with 6 mm² maximum cables section for EVA-2DIN
 - plug-in terminal block for cables with 2.5 mm² maximum cables section up for EVA-R
- 3-digits 7-segments LED display for viewing the measured quantity
- Operating temperature: -10°C to +45°C
- Storage temperature: -20°C to +70°C
- Relative humidity: 10% to 90% non-condensing
- Insulation: power supply circuits and electrically insulated measurement at the level of main insulation (EN 61010-1). Accessible parts and other insulated terminals at reinforced insulation level
- Protection degree: IP20 / IP51 on the front

4 OPERATION

During normal operation, the device displays the measured value of the current.

2.03

Error messages

- Memory error: **EEE**
Indicates a damage of the device that affect the operation
- Overload Error: **HHH**
Indicates that the current is higher than the maximum allowed value: $I > 9.99A$
Reset is automatic
- Error: **000**
Indicates that the measured current is lower than 300 mA

EEE

HHH

000

REFERENCE STANDARDS

Conformity to the EU directives:
2014/35/UE (LDV), 2014/30/UE (EMCD)
is declared with reference to the following harmonised standards:
• EN 61010-1, EN 61000-6-2 and EN 61000-6-4