

Vemer S.p.A.

I - 32032 Feltre (BL) • Via Camp Lonc, 16  
Tel +39 0439 80638 • Fax +39 0439 80619

e-mail: info@vemer.it - web site: www.vemer.it

Mod. **EVF-2DIN**Mod. **EVF-4DIN**Mod. **EVF-R**

## User Manual

### DIGITAL FREQUENCY METER

Read all the instructions carefully

#### SAFETY WARNINGS

- 1) Do not supply power to the instrument if any part of it is damaged
- 2) Follow the connection diagrams carefully to install the instrument
- 3) Connect the measurement terminals to inaccessible parts or outside accessible parts with at least one main insulation
- 4) Make sure that the electrical panel in which the appliance is to be installed will prevent access to the terminals after these have been installed
- 5) The electrical system in the building in which the instrument is to be installed should have an over-current switch and protection device
- 6) The instrument is designed to be installed in locations with overvoltage category III and pollution level 2

#### EVF-2DIN

Code	Model	Description	Range	Resolution
VM258100	EVF-2DIN	Frequency meter	100 Hz	0,1 Hz

#### EVF-4DIN

Code	Model	Description	Range	Resolution
VM292000	EVF-4DIN	Frequency meter	100 Hz	0,1 Hz

#### EVF-R

Code	Model	Description	Range	Resolution
VM325800	EVF-R	Frequency meter	100 Hz	0,1 Hz

#### TECHNICAL SPECIFICATIONS

- Power supply: **115/230 V AC** (-15%/+10%) 50/60 Hz
- Reading: 3 display digits, 7 segments for each digit
- Absorption: 5 VA
- Precision:  $\pm(0,5\% \text{ end of scale} + 1 \text{ dgt})$
- Range: 20,0÷99,9 Hz
- Voltmeter input impedance: 2 M $\Omega$
- Termination: on 6 mm<sup>2</sup> block
- Operating temperature: -10 °C ÷ +50 °C
- Storage temperature: -20 °C ÷ +60 °C
- Relative humidity: 20%-90% RH non condensing
- Insulation: power supply and measurement circuit galvanically insulated at main insulation level
- Container:
  - **EVF-2DIN**: 2 module DIN colour RAL-7035 grey, in class V-0 material in accordance with the UL 94 norm
  - **EVF-4DIN**: 4 module DIN colour RAL-7035 grey, in class V-0 material in accordance with the UL 94 norm
  - **EVF-R**: standardised dimensions 72x72 mm in accordance with the DIN 43700 norms

#### Legend:

- A)** Dimensions  
**B)** Connection diagrams

#### OPERATION

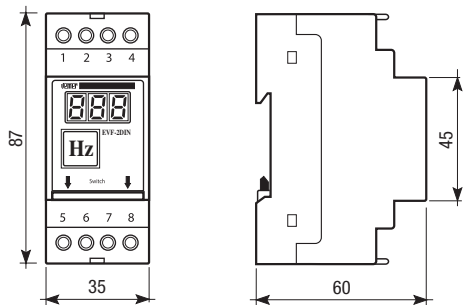
- 1) If the display shows "**HHH**" during operation, this means that the dimension under examination is greater than the maximum value admissible.
- 2) If the value in question is less than 4% of the scale, the display will show "**000**"

#### REFERENCE STANDARDS

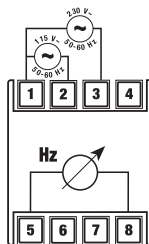
- Conformity with European Union directives:
  - 2006/95/EC** (Low voltage - LVD)
  - 2004/108/EC** (Electromagnetic compatibility - EMC)
 is declared with reference to the following standards:

- **EN 61010-1**
- **EN 61000-6-2, EN 61000-6-4**

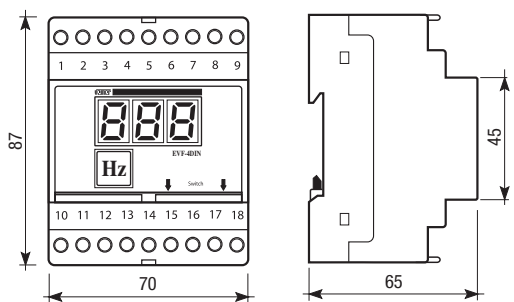
#### EVF-2DIN (A)



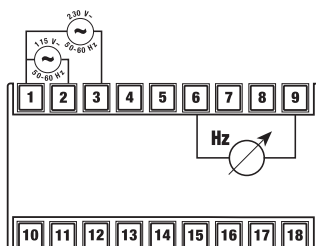
#### EVF-2DIN (B)



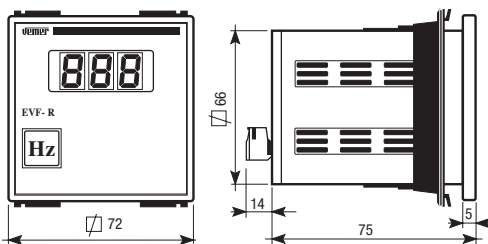
#### EVF-4DIN (A)



#### EVF-4DIN (B)



#### EVF-R (A)



#### EVF-R (B)

