

RAIL MOUNTED DIGITAL VOLTMETER DUL-Q2R

Elfa

Precautions For Installation and Safe Use

Failure to follow those instructions will result in death or serious injury.

- Disconnect all power before working on equipment.
- When the device is connected to the network, do not remove the front panel.
- Do not try to clean the device with solvent or the like. Only clean the device with a dried cloth.
- Verify correct terminal connections when wiring.
- Electrical equipment should be serviced only by your competent seller.
- Only for rack panel mounting.

⚠ No responsibility is assured by the manufacturer or any of its subsidiaries for any consequences arising out of the use of this material.

DUL-Q2R (Digital Voltmeter) :

DUL-Q2R is designed for accurate measuring of the AC RMS voltage and for saving the minimum and maximum values of the measured voltages. Minimum and maximum values remain stored in the memory when the power supply is off. This stored values can be read when the power is on. DUL-Q2R can be used with any application in which accurate voltage readings should be done between 10-600 V. By using the button on the front panel, phase-phase (L1-L2, L1-L3, L2-L3) and phase-neutral (L1-N, L2-N, L3-N) voltages can be selected and read from the display.

Minimum and Maximum Voltage :

The minimum and maximum voltage values are stored. User may read or delete these values. Stored minimum and maximum voltage values remain stored, when the power supply is off.

Displaying Phase-Phase or Phase-Neutral Voltage (For DUL-Q2R)



Press until **desired voltage** is displayed.



L1-N



L1-L2



L2-N



L2-L3

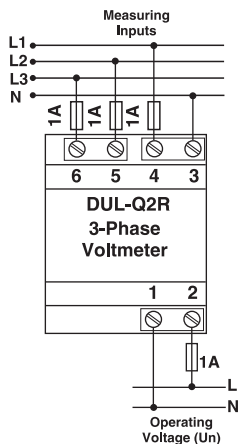


L3-N



L1-L3

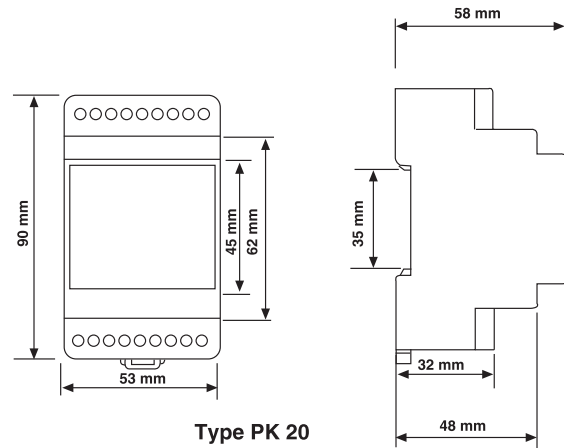
Connection Diagrams



Warning :

- A switch or circuit breaker must be connected between the network and the auxiliary supply input of device.
- Connected switch or circuit breaker must be in close proximity to the device.
- Connected switch or circuit breaker must be marked as the disconnecting device for the equipment.
- The type of the used fuse must be FF type and the current of the used fuse must be 1A.
- No need of a ventilator in the installation area
- Do not use with generator

Dimensions



Type PK 20

Technical Data

Operating Voltage (U_n)	
Operating Range (ΔU)	: Please look at labels on the device.
Operating Frequency (f)	: 50/60 Hz
Accuracy	: 1% ± 1 digit [(% 10-% 100) full scale]
Measuring Input (V_{in})	: 10-300 V AC (Phase-Neutral) (for DUL-Q2R) 10-500 V AC (Phase-Phase) (for DUL-Q2R)
Power Consumption (P_{cons})	: <4 VA
Burden	: <1 VA (per phase)
Equipment Protection	: Double Insulation (II), Measuring Category III
Ambient Temperature	: -5 °C; +50 °C
Degree of Protection	: IP 40 (Front Panel), IP 20 (Terminals)
Wire Cross section (for terminals)	: 2.5 mm ²
Dimensions	: Type PK 20
Installations	: Rail mounting
Weight	: 0.25 kg

Packaging Information

Package Weight	: 4 kg
Pcs per Package	: 16 Pcs

CE
A7628/Rev.1