



DEMAND CONTROLLER

DMR 162

APPLICATIONS

Demand Monitoring & Controlling

Energy Management System

DG Set Panels

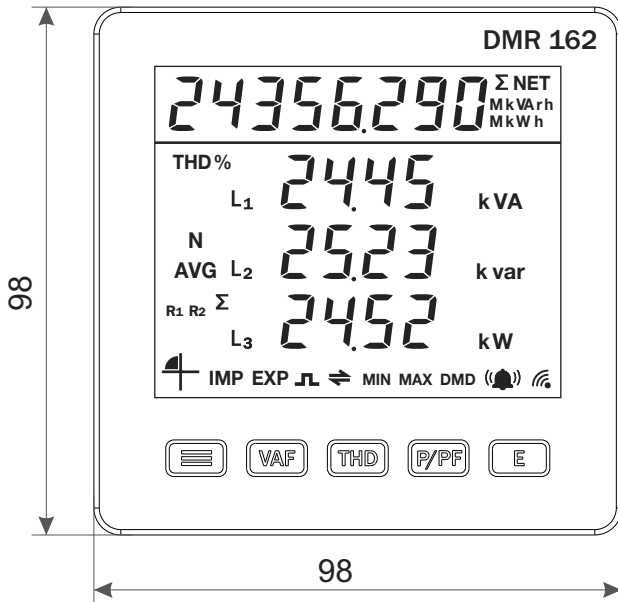
LT / HT Panel

Power Control Center Panels

Motor Control Center Panels

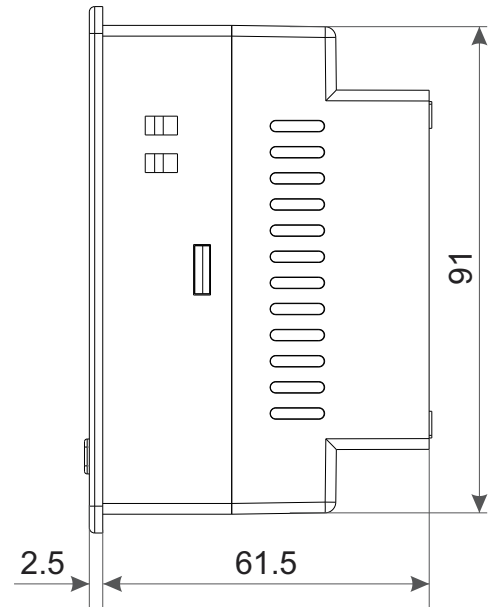
Mechanical Dimensions

Body Dimensions



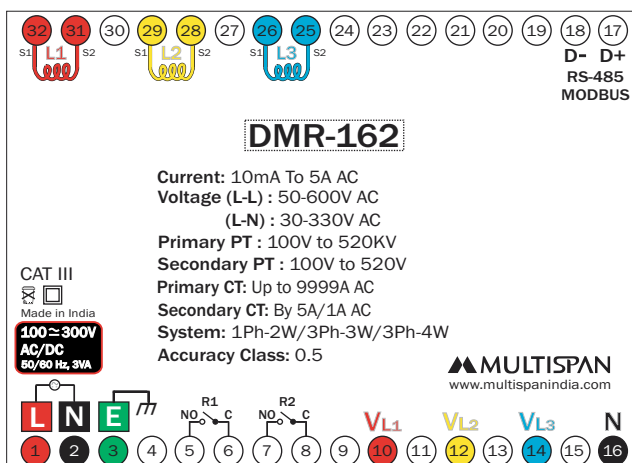
FRONT VIEW

All dimensions are in mm

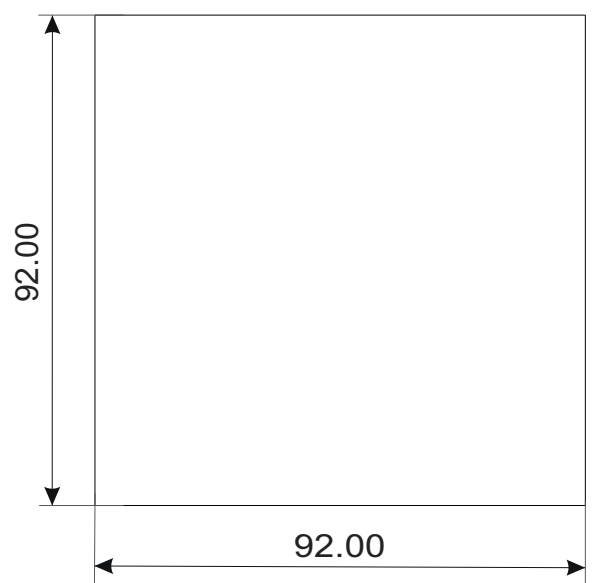


RIGHT SIDE VIEW

Connection Diagram



Panel Cutout



TECHNICAL DATA

Harmonics Measurement

- THD measurement For Voltage Up to 32 Harmonic.
- THD measurement For Current Up to 32 Harmonic.

Complete Energy Measurement

- Import Active Energy.
- Export Active Energy.
- NET Active Energy.
- Total Active Energy.
- Total Apparent Energy.
- Import Reactive Energy.
- Export Reactive Energy.
- Lag & Lead Reactive Energy.
- Total Reactive Energy.

Demand Measurement

- For Active Power.
- For Apparent Power.
- Maximum Demand record (kW, kVA)
- Display Of Minimum and Maximum Values.

Meter Type

1Φ 2W / 3Φ 4W / 3Φ 3W (Selectable)

Measurement Accuracy

Accuracy Class

0.5

Input

Voltage

Direct Voltage

30 To 350V AC (L-N)
50 To 600V AC (L-L)

Current

Secondary Current AC

10mA to 5Amp AC

Primary PT

100V to 520KV

Secondary PT

100V to 520V

Primary CT

Up to 9999A

Secondary CT

By 5A/1A

Voltage THD%

Upto 32 Level

Current THD%

Upto 32 Level

Certification



Output

Relay

2 Relay (NO - C), 7A, 250V AC

Communication Output RS-485 (Optional)

Interface

RS-485

Baud Rate

2400, 4800, 9600,
19200,38400

Parity

None, Odd, Even

Protocol

Modbus - RTU

Transmission Distance

500 Meter Maximum

Communication address

1 to 125

Display, Keys & LED

Display

Upper
Lower

8 Digit 1 Line 7 seg 0.4"
4 Digit 3 Line 7 seg 0.4"

Key

PORG, VAF, THD, P/PF & E

Auxiliary Power Supply

Power Supply

100 to 300V AC/DC ,
50/60Hz

Burden

3VA

Environmental Characteristics

Working Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Relative Humidity	95% RH Non-condensing
Warm up time	5 minutes

Mechanical Characteristics

Mounting Type	Panel Mount
Dimension (HxWxD) mm	98 x 98 x 61.5
Panel Cutout (HxW) mm	92 x 92
Material	Body Polycarbonate (PC)
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	26-12
Weight (Approx) gms	Unpacked : 225 Packed : 280
Accessories	1 Pair of Mounting Clamps