



MOTOR PROTECTION DEVICE

MPD-192

APPLICATIONS

Electrical Control Panel

Submersible Pump

Road Construction Panel

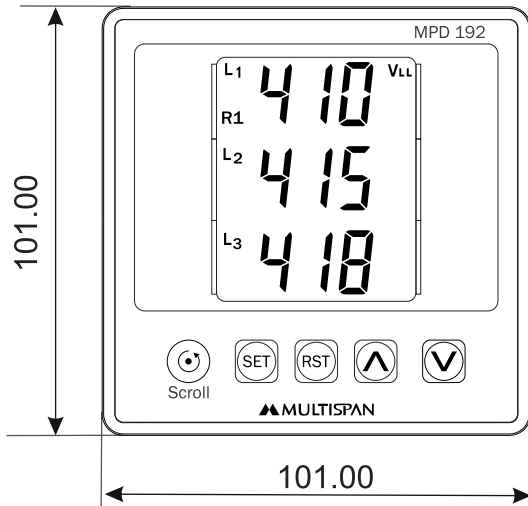
MCC Panel

D.G. Set

Industrial Chiller And HV AC
System

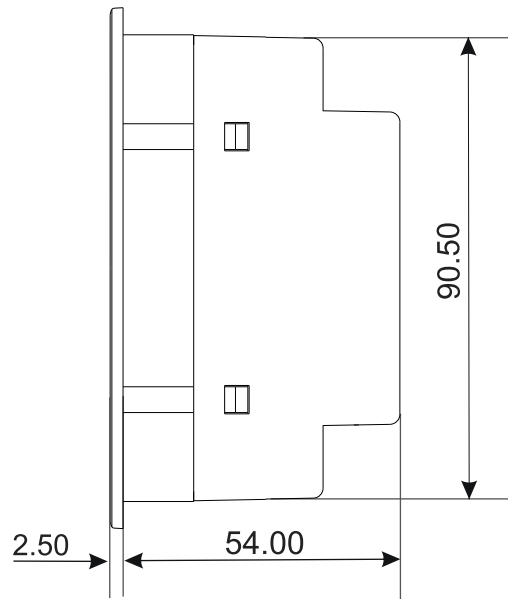
Mechanical Dimensions

Body Dimensions



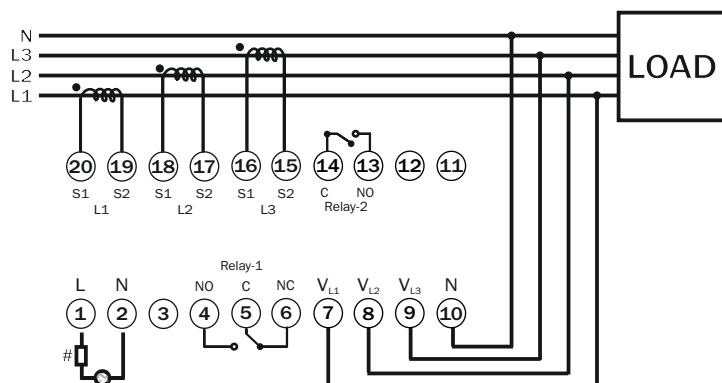
FRONT VIEW

All dimensions are in mm

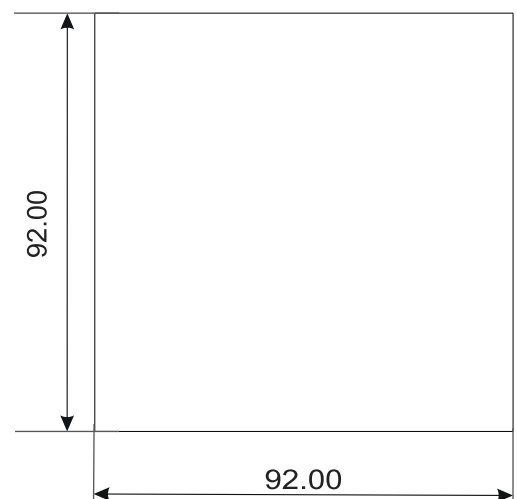


RIGHT SIDE VIEW

Connection Diagram



Panel cutout



TECHNICAL DATA

Input Voltage	30 to 300V AC (L-N) 50 to 520V AC (L-L)
Input Current	0.1 to 5Amp AC
Primary CT Ratio	5 to 6000Amp Selectable
Network Connection	3Ø-3W/3Ø-4W Selectable
Measurement Parameter	Voltage : V_{LL}, V_{LN} Current : All Phase Current (I_R, I_Y, I_B) Frequency : System Frequency
Accuracy	Class 0.5
PL & PS	500ms
Display Update Time	500ms
Certificate	CE

Features

- Auto/ Manual/ ZVR (Zero Value Reset) Reset Function
- True RMS Measurement
- User Selectable Trip Time

Display, Led & Keys

Display	3 Digit, 3Line 7 seg. 0.56" Red LED Display
Key	Scroll, SET, RST, INC, DEC
LED	L1, L2, L3, A, KA, V_{LL}, V_{LN} , Fault, Hz, R1, R2

Protection Available

► Over/Under Voltage	► Current Unbalance
► Over/Under Current	► Phase Loss
► Over/Under Frequency	► Lock Rotor Point
► Single Phase Prevention	► Phase Sequence
► Short Circuit	► Neutral Loss

Input

Voltage AC

Direct Voltage	30 To 300V (L - N) 50 TO 520V (L - L)
Burden	<0.2 VA

Current AC

Primary CT Ratio	5A to 6000A Programmable
Secondary Current AC	0.1 A to 5 Amp
Burden	<0.2 VA
Overload	UP to 6A Continuous
Starting Current	0.1 Amp
Frequency	45.0 TO 65.0 Hz

Auxiliary power supply

Power Supply	100 to 270V AC/DC, 50/60Hz
Burden	3VA

Calculated Parameter

Voltage	V_{LL}, V_{LN}
Current	All Phase Amp
Frequency	System Frequency

Accuracy

Class 0.5

Mechanical Characteristics	
Mounting Type	Panel Mount
Dimension (HxWxD) mm	101 x 101 x 54
Panel Cutout (HxW) mm	92 x 92
Material	Polycarbonate (PC)
Front Enclosure	ABS
Terminal Screw Size	M3.5
Screw Torque (N.m)	1
Wire Gauge (AWG)	28-12
Weight (Approx) gm	Unpacked : 250 Packed : 305
Accessories	1 Pair of Mounting Clamps

Environmental Characteristics	
Humidity	95% RH Non-condensing
Operating Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Warm up Time	5 minutes

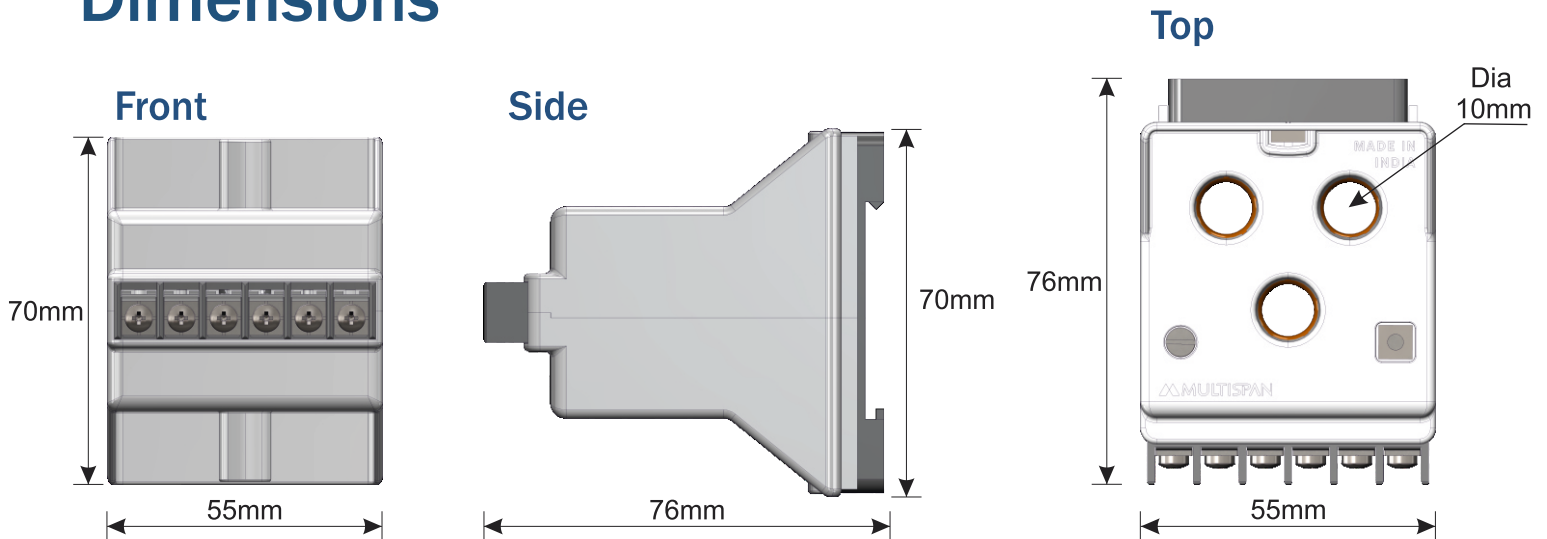
Ordering Information

Part No.	Input Current	Ampere Range
MPD-192-E3-N0	5 to 6000 Amp Primary CT Selectable	0.1A to 5.00A
MPD-192-E3-N7	30A with DIN 30AX CT	1 to 30.0A
MPD-192-E3-N6	60A with DIN 60AX CT	2 to 60.0A
MPD-192-E3-N8	125A with DIN 125AX CT	4 to 125A
MPD-192-E3-60A	60A with MCT 60A	2 to 60.0A
MPD-192-E3-125A	125A with MCT 125A	4 to 125A
MPD-192-E3-250A	250A with MCT 250A	10A to 250A

DIN 60AX

upto 60Amp

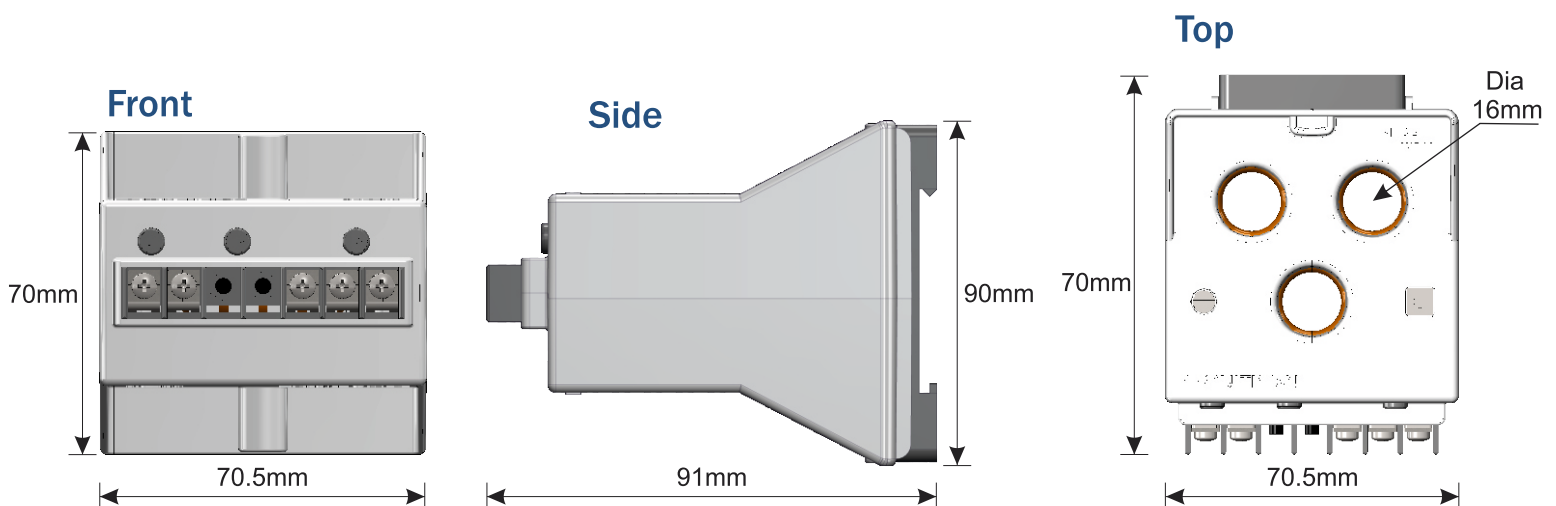
Dimensions



DIN 125AX

upto 125Amp

Dimensions

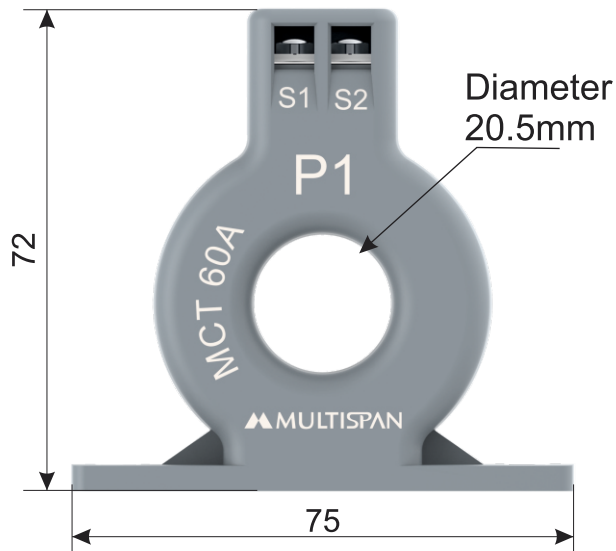


MCT 60A

upto 60Amp

Dimensions

Front



Side

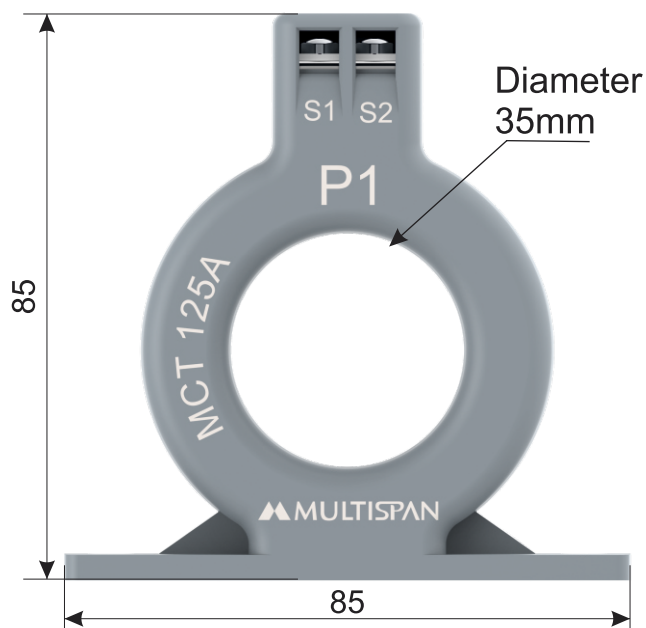


MCT 125A

upto 125Amp

Dimensions

Front



Side

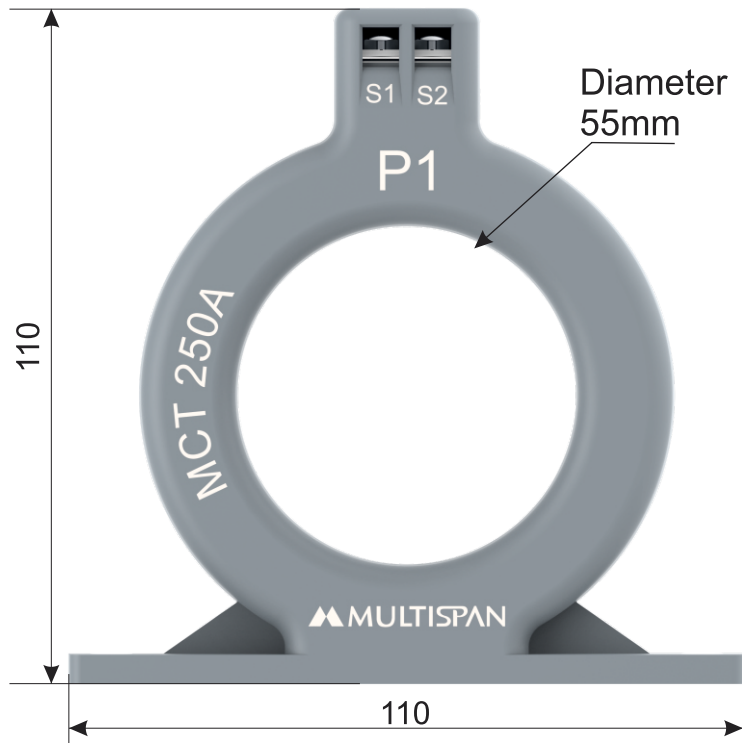


MCT 250A

upto 250Amp

Dimensions

Front



Side

