



Features:

- 4 Digit, 7 segment LED Display
- True RMS Measurement
- For 1 Phase 2 Wire Electrical Network
- CT Primary / Shunt Programmable upto 4000A
- IP Protection (Front) : IP65

Size: 48mm x 96mm (1/8 DIN)

Certifications:  

Technical Specifications

Display

Display	7 segment LED Display
Digit	4
Digit Height	0.56" (14.2mm)
Display Range	0 - 4960A

Input Specifications

Electrical Connection	1 Ø-2 wire
Input Current Range	0 - 5A AC
Continuous Max. Input Current	6.2A AC
Overrange Indication	"Or" for input > 6.2A AC
Frequency Range	45 - 65Hz
Resolution	0.001, 0.01, 0.1, 1A (Depending upon CT primary / shunt setting)
Accuracy	±0.5% of F.S (CT primary / shunt setting)
Input Burden	0.5 VA @ 5A AC
Sampling Rate	3 samples / second
Dielectric withstand Voltage	2kV AC between auxiliary supply & measuring input
Rated Impulse withstand Voltage	3.5kV (1.2/50µS)

Supply Specifications

Auxiliary Supply	AC: 240V AC ±20%, (50 / 60Hz) 110V AC ±20%, (50 / 60Hz)
Supply Frequency	50 / 60Hz
Power Consumption	5VA max @ 240V AC

Resettable Parameters

C.T Primary / Shunt Setting	5,10, 20, 30, 40, 50, 60, 75, 80, 100, 150, 200, 250, 300,400, 500, 600, 800, 1000,1200, 1500, 1600, 2000, 2500, 3000, 4000
C.T Secondary Setting	5A Fixed

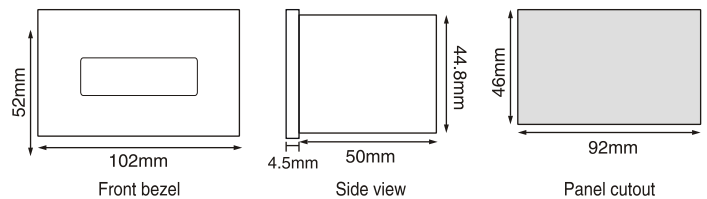
Environmental Specifications

Temperature	Operating: -10 to +55°C (14 to 131°F) Storage: -20 to +75°C (-4 to 167°F)
Humidity (non-condensing)	Upto 85% RH

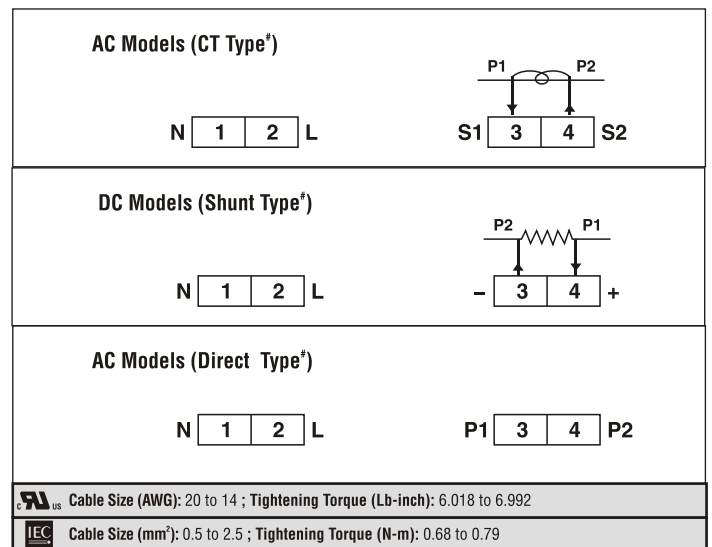
Mechanical Specifications



Mounting	Panel mount
Weight	170 gms (0.374 lbs)
Protection Level	IP65 for faceplate

Dimensions



Terminal Connections



 Cable Size (AWG): 20 to 14 ; Tightening Torque (Lb-inch): 6.018 to 6.992
 Cable Size (mm²): 0.5 to 2.5 ; Tightening Torque (N-m): 0.68 to 0.79

#NOTE

- 1) **CT Type:** There is an internal CT with CT setting. Above 5A(0-5A model) external CT is required.
- 2) **Shunt Type:** External Shunt (50mV / 100mV DC) is required for measurement.
- 3) **Direct Type:** Input is directly connected to the input of the unit.

Ordering Information

Part No.	CT Type	Shunt Type	Direct Type	Supply Voltage		Certification	
				110V AC	240V AC	CE	UL LISTED
MA12	■				■		
MA12-CU	■				■	■	■
MA12-110V	■			■			
MA12-110V-CU	■			■		■	■
MA12-20A-AC			■		■		
MA12-20A-AC-110V			■	■			
MA12-AC-2/20mA			■		■		
MA12-AC-2/20mA-CU			■		■	■	■
MA12-AC-2/20mA-110V			■	■			
MA12-AC-2/20mA-110V-CU			■	■		■	■
MA12-AC-200/2000mA			■		■		
MA12-AC-200/2000mA-CU			■		■	■	■
MA12-AC-200/2000mA-110V			■	■			
MA12-AC-200/2000mA-110V-CU			■	■		■	■
MA12-50mV-DC		■			■		
MA12-50mV-DC-CU		■			■	■	■
MA12-50mV-DC-110V		■		■			
MA12-50mV-DC-110V-CU		■		■		■	■
MA12-75mV-DC		■			■		
MA12-75mV-DC-CU		■			■	■	■
MA12-75mV-DC-110V		■		■			
MA12-75mV-DC-110V-CU		■		■		■	■
MA12-100mV-DC		■			■		
MA12-100mV-DC-CU		■			■	■	■
MA12-100mV-DC-110V		■		■			
MA12-100mV-DC-110V-CU		■		■		■	■
MA12-DC-2mA			■		■		
MA12-DC-2mA-CU			■		■	■	■
MA12-DC-2mA-110V			■	■			
MA12-DC-2mA-110V-CU			■	■		■	■
MA12-DC-20mA			■		■		
MA12-DC-20mA-CU			■		■	■	■
MA12-DC-20mA-110V			■	■			
MA12-DC-20mA-110V-CU			■	■		■	■
MA12-DC-200mA			■		■		
MA12-DC-200mA-CU			■		■	■	■
MA12-DC-200mA-110V			■	■			
MA12-DC-200mA-110V-CU			■	■		■	■
MA12-DC-2A			■		■		
MA12-DC-2A-CU			■		■	■	■
MA12-DC-2A-110V			■	■			
MA12-DC-2A-110V-CU			■	■		■	■

Note:

- 1) **CT Type:** There is an internal CT with CT setting (5-4000A). For current input >5A, external CT is required.
- 2) **Shunt Type:** There is an internal Shunt with Shunt setting (5-4000A). External Shunt (50mV/75mV/100mV) is required.
- 3) **Direct Type:** Input is directly connected to the unit.