

## Features:

True RMS Measurement  
For 1 Phase 2 Wire Electrical Network

96 x 96mm

### Display Specifications

Display	Single row, 7 segment LED Display
Digits	3
Digit Height	0.56" (14.2mm)
Display Range	0 - 516V

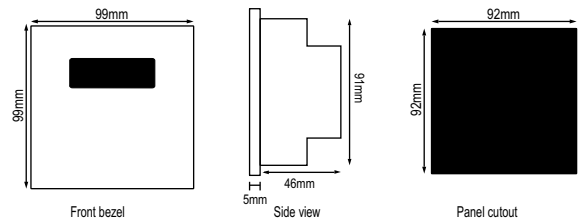
### Mechanical Specifications

Mounting	Panel mount
Weight	180 gms (0.418 lbs)

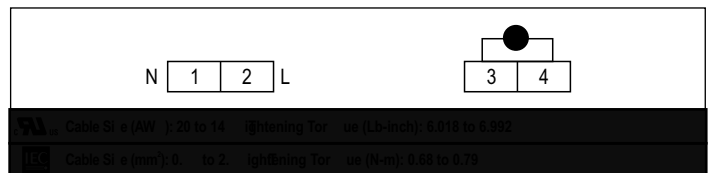
### Input Specifications

Electrical Connection	1 Ø-2 wire
Input Type	AC
Input Voltage Range	50-480V
Continuous Max. Input Rating	516V
Overrange Indication	"Or" for input > 516V
Frequency	50 / 60Hz
Resolution	1V
Accuracy	±0.5% of F.S
Input Impedance	1M $\Omega$ ( $\pm$ 5%)
Sampling Rate	3 samples / second
Dielectric withstand Voltage	2kV AC between auxiliary supply & measuring input
Rated impulse withstand Voltage	3.5kV (1.2/50 $\mu$ s)

### Dimensions



### Terminal Connections



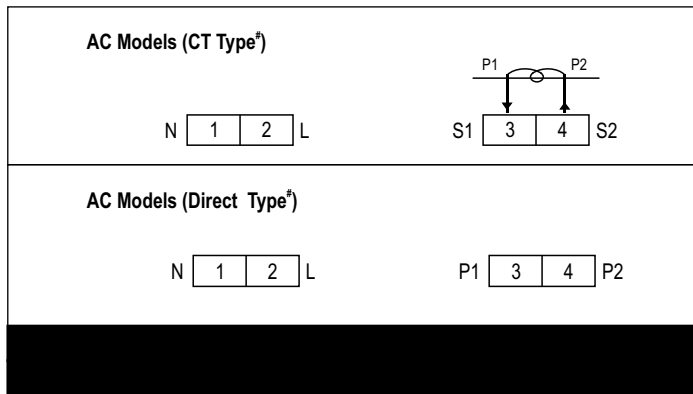
### Auxiliary Supply Specifications

Auxiliary Supply	240V AC $\pm$ 20% (60 / 60Hz) 110V AC $\pm$ 20% (60Hz)
Power Consumption	5VA max

### Environmental Specifications

Temperature	Operating: -10 to 55 $^{\circ}$ C (32 to 122 $^{\circ}$ F) Storage: -20 to 75 $^{\circ}$ C (32 to 158 $^{\circ}$ F)
Humidity (non-condensing)	Upto 95% RH

### Terminal Connections



**\*NOTE**

- 1) **CT Type:** There is an internal CT with CT setting. Above 5A(0-5A model) external CT is required.
- 2) **Direct Type:** Input is directly connected to the input of the unit.

### Ordering Information

	Supply Voltage		Certification	
	240V AC	110V AC	CE	UL LISTED
MA12	*	*	*	*
MA12-CE	*	*	*	*
MA12-110V	*	*	*	*
MA12-28A-AC	*	*	*	*

**Note:**

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