



Features:

- True RMS Measurement Of All Basic 3Ø Electrical Parameters
- Energy (Active, Reactive)
- Plug-n-Wire quick connect current input
- Programmable CT Primary, PT Primary/Secondary
- RS485 Modbus Communication
- Pulse Output
- Max Demand of power

Certifications:  RoHS

Technical Specifications

Display

Display	Liquid Crystal Display with backlight
Digit	Row 1 of 4 digits and Row 2, 3 of 7 digits per line to show electrical parameters
LED Indication	Integration of energy

Input Specifications

Electrical Connection	3Ø-4 wire, 1Ø-2 wire
Input Voltage Range	60 to 300V AC, (Phase to Neutral) 104 to 520V AC, (Phase to Phase)
Frequency	45Hz to 65Hz
Resolution	For energy: 0.01k, 0.1k, 1k, 0.01M, 0.1M For Power, Voltage, Current: Auto resolution For Power factor: 0.01
Accuracy	Frequency: 0.1Hz Voltage(L-N / L-L), Current: $\pm 0.5\%$ of FS. Power factor: ± 0.01 of FS. Frequency: $\pm 0.1\%$ of FS. Power (kW, kVA, kVA): 1% of FS. Energy (Active, Reactive): 1% of FS.
Measuring Parameters	Voltage (L-L / L-N) (Individual / Average) Current (I1, I2, I3) (Individual / Average) Frequency, Power Factor (Individual / Average), Active, Reactive & Apparent power (Individual / Total), Active Energy and Reactive Energy, Demand (Max Active Power, Max Apparent Power)
Power Consumption	8VA Max

Output Specifications

Pulse Output	Pulse output: 1 Opto-isolated Voltage Range: 24V DC max. Current Capacity: 100mA max. Pulse Duration: Selectable between 0.1 to 2.0 sec. Pulse Weight: Selectable between 0.01 to 9.99 kWh
Communication	RS485 MODBUS Communication

Supply Specifications

Self Supplied (V1, N)

Resettable Parameters

C.T Primary	5A to 10,000A (programmable for any value)
C.T Secondary	330mV
P.T Primary	100V to 10kV (Programmable for any value)
P.T Secondary	100V to 500V AC (L-L) (Programmable for any value)

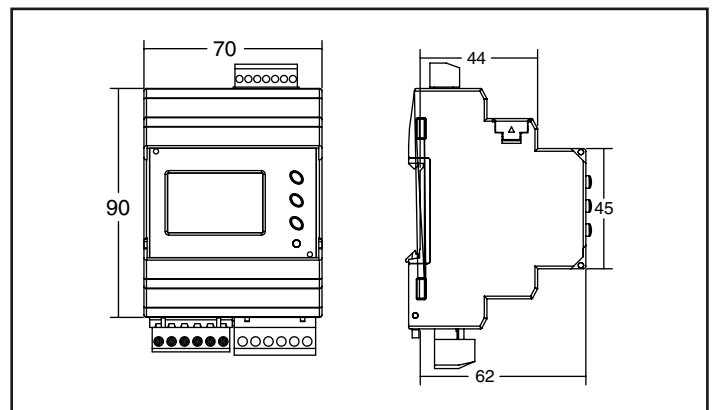
Environmental Specifications

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

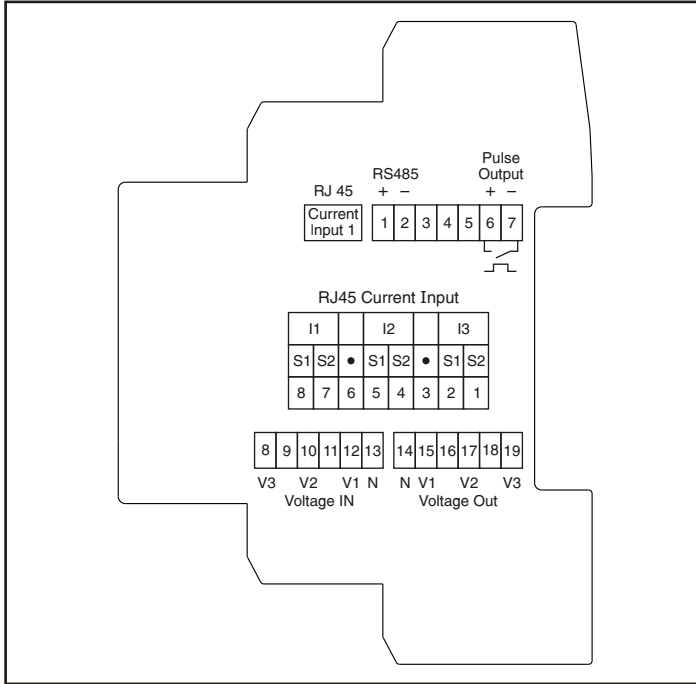
Mechanical Specifications

Mounting	Din Rail mount
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Dimensions (All dimensions are in mm)



Terminal Connections



Ordering Information

Part No.	Output		Certification
	Pulse Output	Commn (RS485)	CE RoHS
MRJ4M	■	■	■