

Plug-n-Wire

Multifunction Meter

The Time Saving Solution



Panel Mount

- **Dramatic reduction in labor**
(Save time by more than an hour compared to conventional meters)
- **No wiring error**
- **Safe disconnection from CT**
(No need of shorting links)



Din Rail Mount



MRJ385



MRJ4M



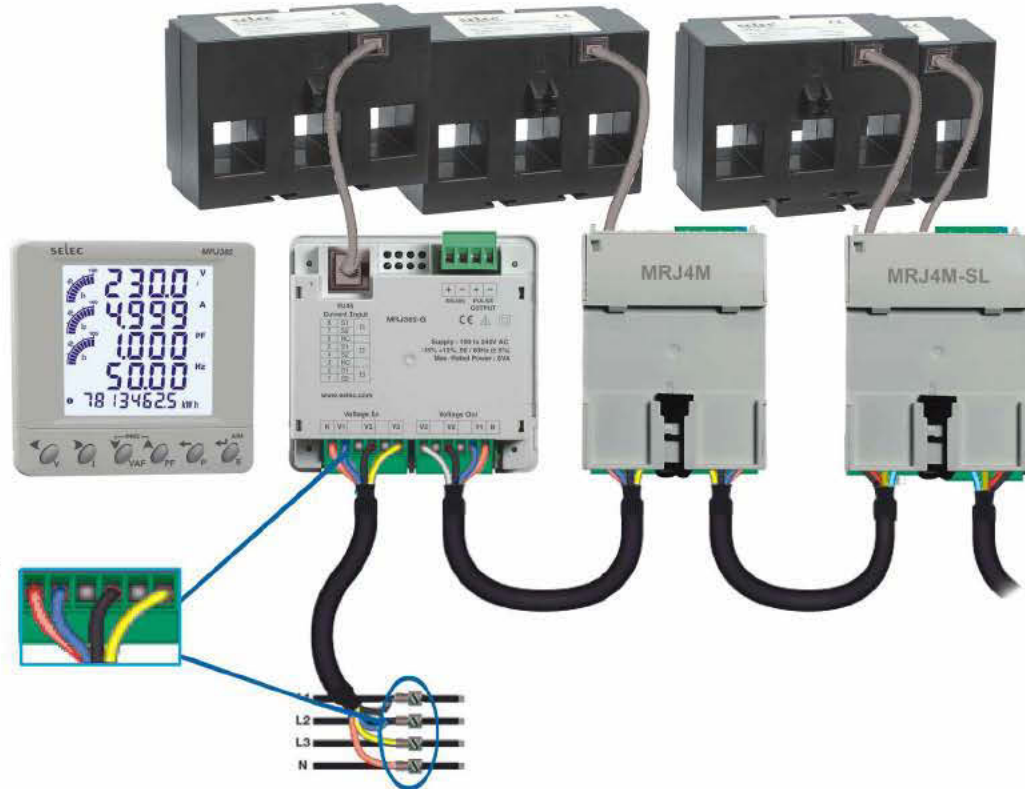
MRJ4M-SL

DESCRIPTION	MULTIFUNCTION METER	DIN RAIL MULTIFUNCTION METER																															
Functions	<ul style="list-style-type: none"> • True RMS Measurement Of All Basic 3Ø Electrical Parameters • Energy (Active, Reactive, Apparent) • RJ45 connector current input • Programmable CT Primary, PT Primary/ Secondary • RS485 Modbus Communication • Pulse Output • Max / Min Demand of power • %THD upto 31st order for Voltage & Current Parameters 	<ul style="list-style-type: none"> • True RMS Measurement Of All Basic 3Ø Electrical Parameters • Energy (Active, Reactive) • RJ45 connector current input • Programmable CT Primary, PT Primary/ Secondary • RS485 Modbus Communication • Pulse Output • Max / Min Demand of power 	<ul style="list-style-type: none"> • True RMS Measurement Of All Basic 3Ø Electrical Parameters • Energy (Active, Reactive) • Split load, RJ45 connector current input • Programmable CT Primary, PT Primary/ Secondary • RS485 Modbus Communication • 2 Pulse Output • Max / Min Demand of power 																														
Display	Liquid Crystal Display with backlight	Liquid Crystal Display with backlight																															
Digits	4 row, of 4 digits per line to show electrical parameters, 1 row of 8 digits for energy display	Row 1 of 4 digits, Row 2 & 3 of 7 digits per line to show electrical parameters																															
Input Type		3Ø-4 wire, 1Ø-2 wire																															
Rated input Voltage	100 to 240V AC, (Phase to Neutral) 173 to 415V AC, (Phase to Phase)	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, 1M (depending upon CT ratio X PT ratio) For Power, Voltage, Current: Auto resolution For Power factor: 0.001	For energy: 0.01k, 0.1k, 1k, 0.01M, 0.1M For Power, Voltage, Current: Auto resolution For Power factor: 0.01																															
Accuracy Class	Voltage (L-N / L-L), Current: ±0.5% of F.S Power factor: ±0.01 Frequency: ±0.1% Power (kW, kVA, kVA): 1% Energy (Active, Reactive, Apparent): 1%	Voltage (L-N / L-L), Current: 0.5 of full range, Power factor: ±0.01 of full range Frequency: 0.1 of full range Power (kW, kVA, kVA): 0.1 of full range Energy (Active, Reactive): 0.1 of full range																															
CT Primary		5A to 10,000A (Programmable for any value)																															
CT Secondary		330mV																															
PT Primary	100V to 500kV (Programmable for any value)	100V to 10kV (Programmable for any value)																															
PT Secondary	173 to 415V AC, (L-L) (Programmable for any value)	100V to 500V AC (L-L) (Programmable for any value)																															
Supply Voltage		Self Supplied (V1, N)																															
Display Scrolling	Automatic / manual	---																															
LED Indications	---	For Energy Consumption																															
Display update time		1 sec for all parameters																															
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 99.99 kWh	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	Pulse output: 2 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																															
Temperature / Humidity (non-condensing)	Operating : 0 to +50° C Storage : -20 to +75° C / Upto 85% RH	Operating : -10 to +55° C Storage : -20 to +75° C / Upto 85% RH																															
Mounting	Panel mount	Din Rail mount																															
Order Code	<table border="1"> <thead> <tr> <th rowspan="2">Part No.</th> <th colspan="2">Output</th> <th rowspan="2">Certification</th> </tr> <tr> <th>Pulse Output</th> <th>Comm (RS485)</th> </tr> </thead> <tbody> <tr> <td>MRJ385-G-PNW</td> <td>■</td> <td>■</td> <td>■</td> </tr> </tbody> </table>	Part No.	Output		Certification	Pulse Output	Comm (RS485)	MRJ385-G-PNW	■	■	■	<table border="1"> <thead> <tr> <th rowspan="2">Part No.</th> <th colspan="2">Output</th> <th rowspan="2">Certification</th> </tr> <tr> <th>Pulse Output</th> <th>Comm (RS485)</th> </tr> </thead> <tbody> <tr> <td>MRJ4M</td> <td>■</td> <td>■</td> <td>■</td> </tr> </tbody> </table>	Part No.	Output		Certification	Pulse Output	Comm (RS485)	MRJ4M	■	■	■	<table border="1"> <thead> <tr> <th rowspan="2">Part No.</th> <th colspan="2">Output</th> <th rowspan="2">Certification</th> </tr> <tr> <th>Pulse Output</th> <th>Comm (RS485)</th> </tr> </thead> <tbody> <tr> <td>MRJ4M-SL</td> <td>■</td> <td>■</td> <td>■</td> </tr> </tbody> </table>	Part No.	Output		Certification	Pulse Output	Comm (RS485)	MRJ4M-SL	■	■	■
Part No.	Output		Certification																														
	Pulse Output	Comm (RS485)																															
MRJ385-G-PNW	■	■	■																														
Part No.	Output		Certification																														
	Pulse Output	Comm (RS485)																															
MRJ4M	■	■	■																														
Part No.	Output		Certification																														
	Pulse Output	Comm (RS485)																															
MRJ4M-SL	■	■	■																														

ILLUSTRATIVE DIAGRAM OF PLUG-N-WIRE CONNECTION

RJ45 connector cable
to link the meter to
the 3 phase
Current transformer

**Links upto 32 Meters (MRJ385/MRJ4M)
& upto 64 meters (MRJ4M-SL)**
Output connection for voltage aids connection of
32 meters (MRJ385 / MRJ4M) & 64 meters (MRJ4M-SL)
from single three phase source



**Plug in
voltage
connectors**
for three
phase
voltage
signals.

Accessories



RJ45 Connector to carry 330mv

Order code:
ACH-003



Power Cable

Order code:
1mtr: PWCBL_CON-F-1
3mtr: PWCBL_CON-F-3



Daisy Chain Connector

Order code:
1 mtr - PWCBL_CON-M/F-1
3 mtr - PWCBL_CON-M/F-3



Connector

Order code:
PWCON-Male
PWCON-Female

Note: Accessories needs to be bought separately

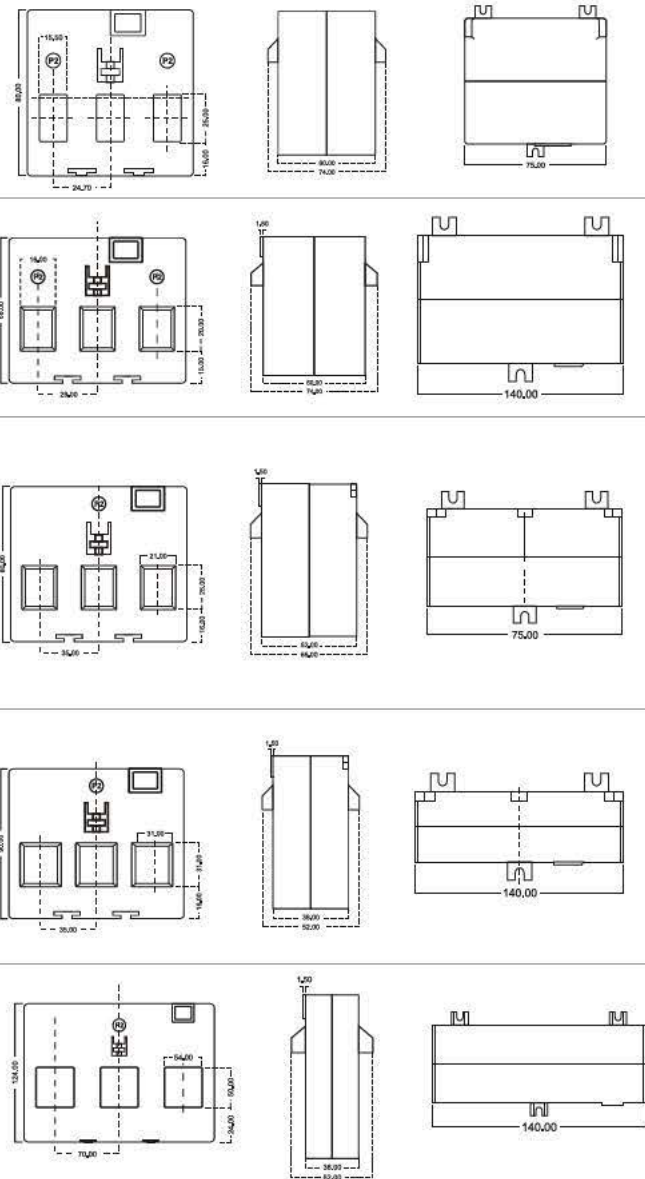


Features:

- 60 A - 1600 A CT range
- 330mV Secondary Output
- 3 phase current transformer

PWCT Series

PART NO.	CURRENT RATIO	APERTURE SIZE
*PWCT – 15.5 / 25 – 60A / 330 mV	60A/330 mV	3 @ 15.5 x 25mm
*PWCT – 15.5 / 25 – 100A / 330 mV	100A / 330 mV	3 @ 15.5 x 25mm
*PWCT – 15.5 / 25 – 125A / 330 mV	125A / 330 mV	3 @ 15.5 x 25mm
*PWCT – 15.5 / 25 – 150A / 330 mV	150A / 330 mV	3 @ 15.5 x 25mm
*PWCT – 15.5 / 25 – 160A / 330 mV	160A / 330 mV	3 @ 15.5 x 25mm
*PWCT – 16 / 20 – 60A / 330 mV	60A / 330 mV	3 @ 16 x 20 mm
*PWCT – 16 / 20 – 100A / 330 mV	100A / 330 mV	3 @ 16 x 20 mm
*PWCT – 16 / 20 – 125A / 330 mV	125A / 330 mV	3 @ 16 x 20 mm
*PWCT – 16 / 20 – 150A / 330 mV	150A / 330 mV	3 @ 16 x 20 mm
*PWCT – 16 / 20 – 160A / 330 mV	160A / 330 mV	3 @ 16 x 20mm
*PWCT – 21 / 25 – 60A / 330 mV	60A/330 mV	3 @ 21 x 25mm
*PWCT – 21 / 25 – 100A / 330 mV	100A / 330 mV	3 @ 21 x 25mm
*PWCT – 21 / 25 – 125A / 330 mV	125A / 330 mV	3 @ 21 x 25mm
*PWCT – 21 / 25 – 150A / 330 mV	150A / 330 mV	3 @ 21 x 25mm
*PWCT – 21 / 25 – 160A / 330 mV	160A / 330 mV	3 @ 21 x 25mm
*PWCT – 21 / 25 – 200A / 330 mV	200A / 330 mV	3 @ 21 x 25mm
*PWCT – 21 / 25 – 250A / 330 mV	250A / 330 mV	3 @ 21 x 25mm
*PWCT – 31 / 31 – 250A / 330 mV	250A / 330 mV	3 @ 31 x 31 mm
*PWCT – 31 / 31 – 300A / 330 mV	300A / 330 mV	3 @ 31 x 31 mm
*PWCT – 31 / 31 – 400A / 330 mV	400A / 330 mV	3 @ 31 x 31 mm
*PWCT – 31 / 31 – 500A / 330 mV	500A / 330 mV	3 @ 31 x 31 mm
*PWCT – 31 / 31 – 600A / 330 mV	600A / 330 mV	3 @ 31 x 31 mm
*PWCT – 31 / 31 – 630A / 330 mV	630A / 330 mV	3 @ 31 x 31 mm
*PWCT – 54 / 50 – 800 A / 330 mV	800A / 330mV	3 @ 54 x 50 mm
*PWCT – 54 / 50 – 1000 A / 330 mV	1000A / 330 mV	3 @ 54 x 50 mm
*PWCT – 54 / 50 – 1250 A / 330 mV	1250A / 330 mV	3 @ 54 x 50 mm
*PWCT – 54 / 50 – 1600 A / 330 mV	1600A / 330 mV	3 @ 54 x 50 mm



Note: * : Stocked Product ; # : Available against order

Selec Controls Pvt. Ltd. (An ISO 9001:2008 Company)

www.selec.com

Regd. Address:

EL-27/1, Electronic Zone,
TTC Industrial Area, MIDC, Mahape,
Navi Mumbai 400710, INDIA
Tel.: +91-22-4141 8419/8430
Fax: +91-22-2847 1733
Tollfree: 1800 227353 (BSNL/MTNL only)
Email: sales@selec.com

Selec Controls USA., Inc.:

203 main Street # 205, Flemington,
NJ 08822, U.S.A.
Phone: 908-627-2149, Fax: +908-968-0940
Email: usa@selec.com,
Web: www.selecusa.com

Selec GmbH :

Mollwitzstrasse 2, D-14059, Berlin,
Tel: +49 3030111870,
Fax.: +49 303011187-77,
Email: europe@selec.com
Web: www.selec-europe.com

Authorised Agent: