

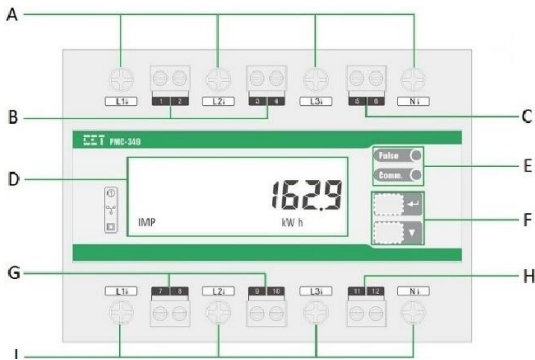
# PMC-340 Quick Start Guide

## Version 1.1

### Package Contents

- a. PMC-340 Meter with all installation clips and plug-in connectors installed
- b. Factory Test Report
- c. CD with PMC-340 User Manual
- d. 1x120Ω Termination Resistor
- e. Quick Start Guide (this document)

### Meter Overview

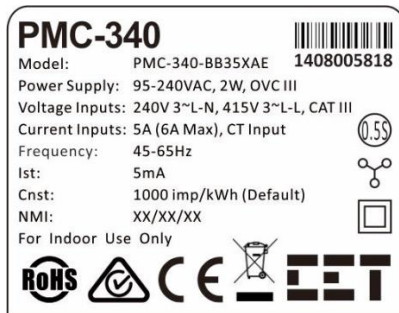


Front View of PMC-340

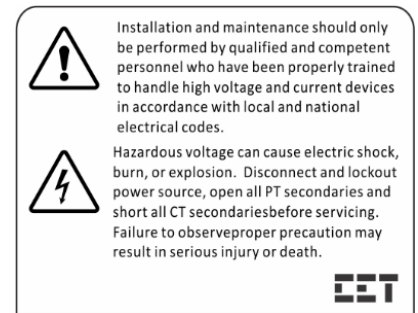
	Terminal	Description
A	L1, L2, L3, N	L1, L2, L3, N from Source
B	1, 2, 3, 4	Voltage Inputs: V1, V2, V3, VN (CT Inputs Option only)
C	5, 6	Pulse Outputs: +, -
D	-	LCD Display
E	-	Energy Pulse and Comm. Indicators
F	-	Buttons
G	7, 8, 9, 10	Digital Inputs: DIC, DI1, DI2, DI3 (PMC-340B only)
H	11, 12	RS-485: D+, D-
I	L1, L2, L3, N	L1', L2', L3', N' to Load



Direct Input



CT Input



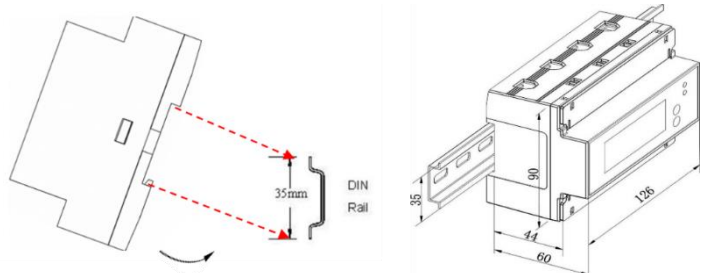
Warning Label

### Using the Front Panel Buttons

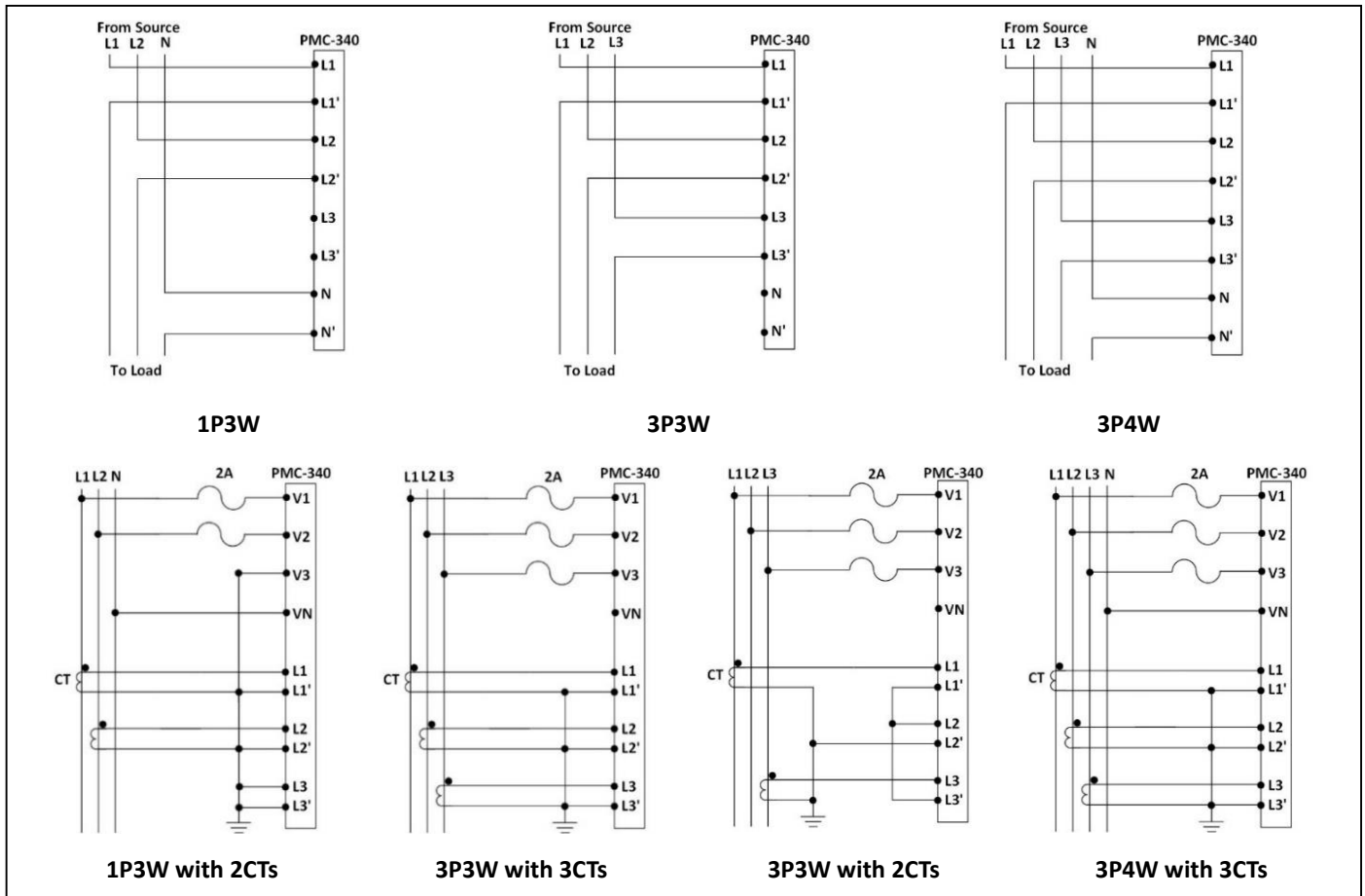
Buttons	Data Display Mode	Setup Configuration Mode
<▼>	The <b>Default Display</b> shows the kWh Import measurement under the <b>Energy</b> menu. Pressing this button scrolls through the available measurements in this menu.  While at a particular menu, pressing this button scrolls through the available measurements.	Before an item is selected, pressing this button scrolls to the next setup parameter. If the selected parameter is a numeric value, pressing this button increments the selected digit. If the selected parameter is an enumerated value, pressing this button scrolls through the selection list.
<<↔>>	Pressing this button at any time while in <b>Data Display</b> mode will jump to the next available menu item depending on where the display is at the time.  For example, if the display currently shows <b>lb</b> under the <b>U/I</b> menu, pressing <<↔>> now will immediately jump to the <b>Power</b> menu.	Pressing this button for two seconds toggles between <b>Data Display</b> mode and <b>Setup Configuration</b> mode. Once inside the <b>Setup Configuration</b> mode, pressing this button selects a parameter for modification. Once selected, the parameter value blinks while it's being changed.  If the selected parameter is a numeric value, the cursor is at the right most digit by default. Pressing this button moves the cursor one position to the left. Once the cursor has reached the left most digit, pressing this button again will save the current numeric value into memory.

### Mounting the Meter

- Before installation, make sure that the DIN rail is already in place
- Move the installation clips at the back of the PMC-340 downward to the "unlock" position
- Align the top of the mounting channel at the back of the PMC-340 at an angle against the top of the DIN rail as shown in figure right
- Rotate the bottom of the PMC-340 towards the back while applying a slight pressure to make sure that the device is completely and securely fixed on to the DIN rail
- Push the installation clips upward to the "lock" position to secure the PMC-340 on to the DIN Rail

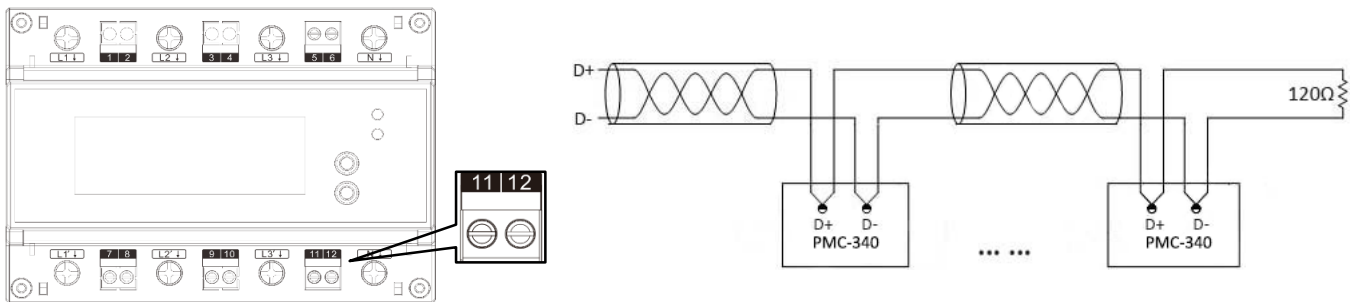


## Wiring Diagrams



## RS-485 Wiring

- The PMC-340 provides one standard RS-485 port and supports the Modbus RTU protocol. Up to 32 devices can be connected on a RS-485 bus. The overall length of the RS-485 cable connecting all devices should not exceed 1200m.
- If the master station does not have a RS-485 communications port, a RS-232/RS-485 or USB/RS-485 converter with optically isolated outputs and surge protection should be used.
- Each PMC-340 comes with a 120Ω Termination Resistor. It is recommended that a single termination resistor be used at the end of the RS-485 bus to prevent signal reflection.



## Basic Setup Parameters

Menu	Parameters	Description	Range/Options	Default	
PW	Password	Enter Password	0 to 9999	"0"	
SYS SET	TYPE	Wiring Mode	DEMO/1P3W/3P3W/3P4W/ 1P2W L-N/1P2W L-L	3P4W	
	CT1	CT1 Ratio	Primary CT Ratio	1 to 30,000 (A)	5A
	CT2	CT2 Ratio	Secondary CT Ratio	1 to 5 (A)	5A
	I1 Rev	Phase A CT	Reverse Phase A CT Polarity	YES/NO	NO
	I2 Rev	Phase B CT	Reverse Phase B CT Polarity	YES/NO	NO
	I3 Rev	Phase C CT	Reverse Phase C CT Polarity	YES/NO	NO
COM SET	ID	Meter Address	Meter Address	1-247	100
	BAUD	Baud rate	Data rate in bits per second	1200/2400/4800/ 9600/19200/38400bps	9600
	CFG	Comm. Port Configuration	Data Format	8N2/8O1/8E1/8N1/8O2/8E2	8E1

### Notes:

- The wiring modes 1P2W L-N and 1P2W L-L are not supported by PMC-340A.