EM-2000 Series Meter Quickstart Guide
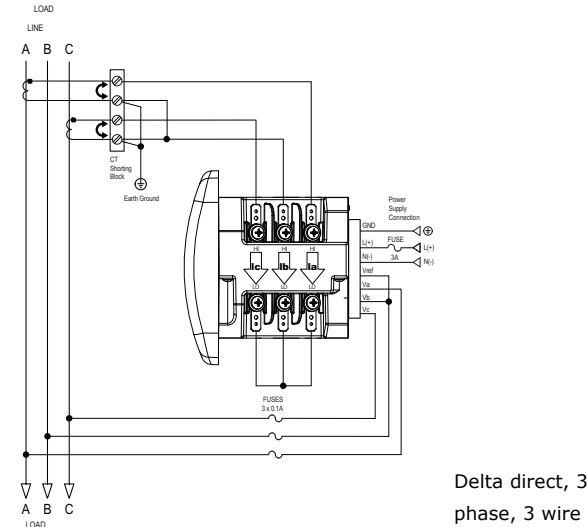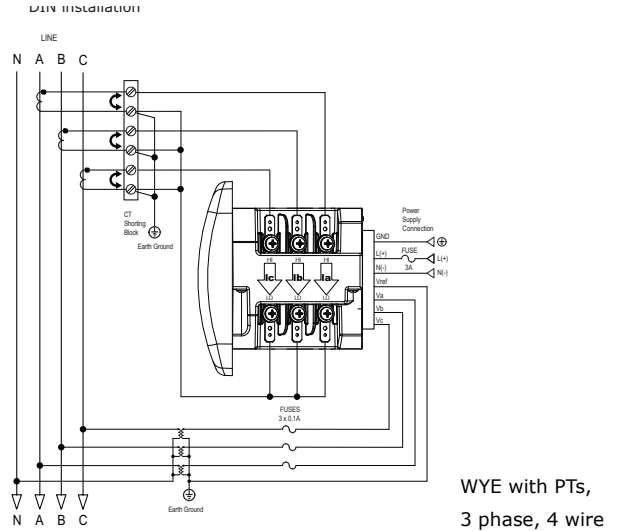
Mechanical Installation

NOTE: Do not overtighten nuts. The maximum installation torque is 0.4 Newton-Meter.

ANSI Installation

ANSI Studs

4.0" Round form

DIN Installation

DIN Mounting brackets

92mm Square form

Remove (unscrew) ANSI studs for DIN installation

Bottom Bracket
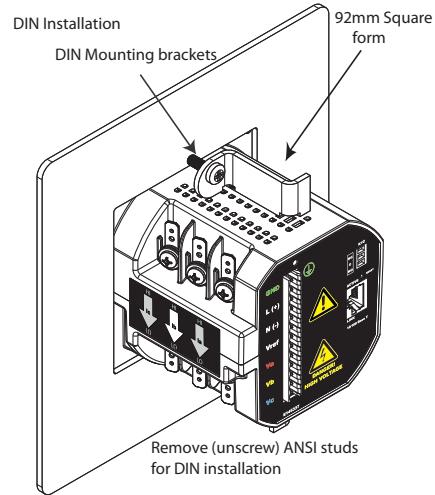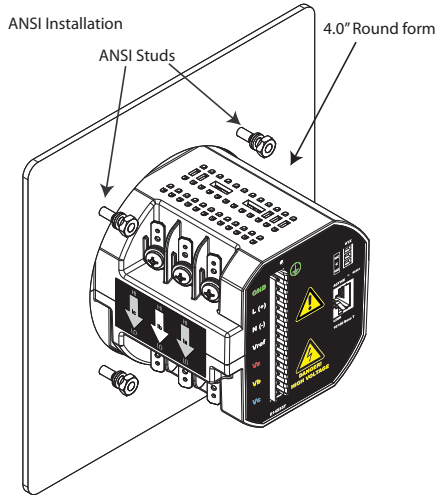
DIN Installation

Electrical Installation: Select diagram for your application.

WYE direct, 3 phase, 4 wire

WYE with PTs, 3 phase, 4 wire

Delta direct, 3 phase, 3 wire

Delta with PTs, 3 phase, 3 wire
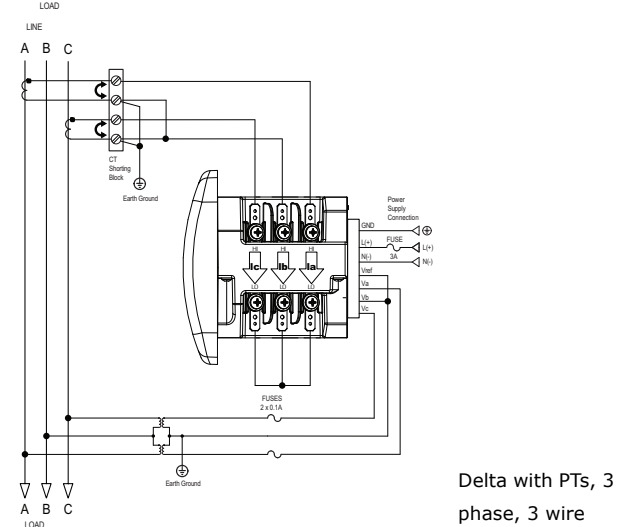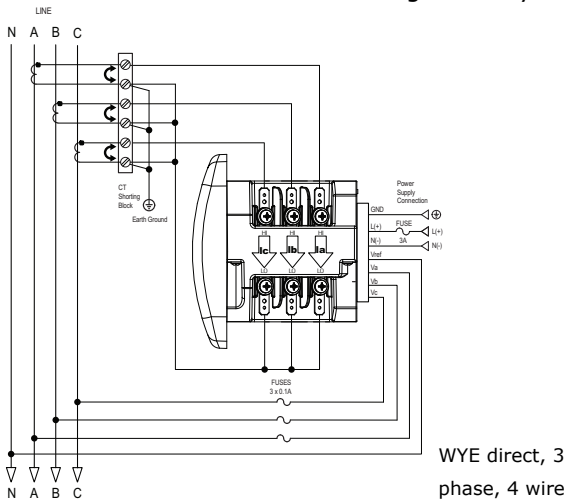
NOTE: Other wiring configurations are available. See the full Manual on the enclosed CD.

Program Settings Using the Faceplate Buttons:
**(MENU, ENTER, DOWN ARROW, RIGHT ARROW)**
See the figure on the right for the location of the
**faceplate buttons.**

<u>Access Configuration Mode</u>:

1. Push the **MENU** button - you will see the display on the right; rSt will be blinking.

2. Press the **DOWN ARROW** once. CFG (Configuration) moves to the top of the display.

3. Press the **ENTER** button. You will see the Configuration menu, shown on the right.
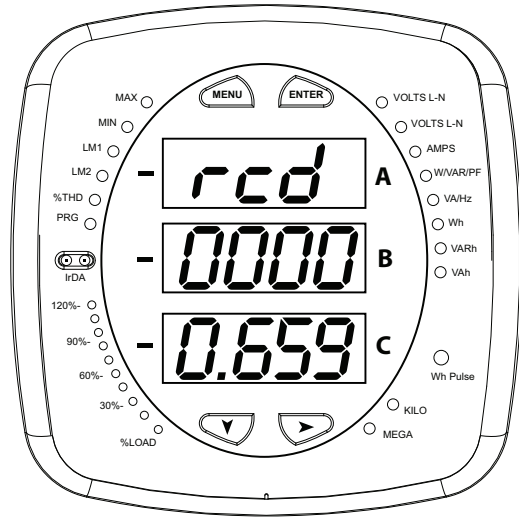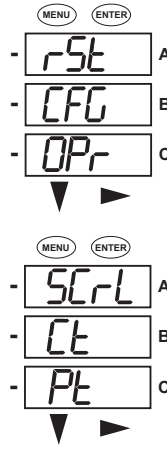
4. Press the **DOWN ARROW** and then press the **ENTER** button. You will see the CT numerator setting screen (Ct-n). The current CT numerator is shown in the second line. To change the setting, press the **DOWN ARROW** until the value you want is displayed. Then press the **RIGHT ARROW** to move to the next digit. Repeat until the setting is done.

5. Press the **ENTER** button to go to the CT denominator screen (CT-d). This setting is display only - it can't be changed.

6. Press the **ENTER** button to go to the CT Scaling setting screen (CT-S). The current Scaling is shown in the second line. Press the **DOWN ARROW** to choose another value. You can choose 1, 10, or 100.

7. Press the **ENTER** button to go to the PT numerator setting screen (Pt-n).The current PT numerator is shown in the second line. To change the setting, press the **DOWN ARROW** until the value you want is displayed. Then press the **RIGHT ARROW** to move to the next digit. Repeat until the setting is done.

8. Press the **ENTER** button to go to the PT-denominator screen (Pt-d). The current PT denominator is shown in the second line. To change the setting, press the **DOWN ARROW** until the value you want is displayed. Then press the **RIGHT ARROW** to move to the next digit. Repeat until the setting is done.

9. Press the **ENTER** button to go to the PT Scaling setting screen (PT-S). The current Scaling is shown in the second line. Press the **DOWN ARROW** to choose another value. You can choose 1, 10, 100, or 1000.

   **NOTE:** See example CT and PT Settings beginning on the next page.
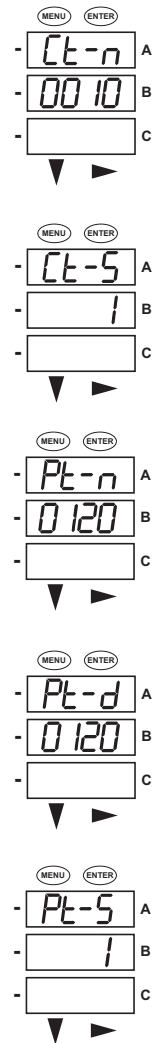
10. Press the **ENTER** button to go to the Connection setting screen (Cnct). The current setting is shown in the second line. Press the **DOWN ARROW** to choose another value. You can choose 3 EL (element) WYE, 2 Ct del (Delta), or 2.5 EL WYE.
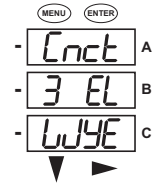
11. Press the **ENTER** button four times. (You will pass through the Address, Baud Rate, and Protocol screens. **You DO NOT change any of the settings on these screens**.) You will see the Scroll setting screen (SCrL). The current setting is shown in the second line. Press the **DOWN ARROW** to choose another setting. You can choose YES (the meter readings will scroll on the display) or no (the meter readings will not scroll on the display).
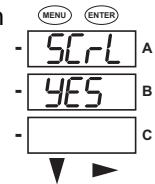
12. Press the **MENU** button twice. You will see the Store Settings screen (Stor ALL?) The default setting is YES. To save the settings you've made, press the **ENTER** button. You will see the confirmation screen (Stor ALL done) and then the meter resets.
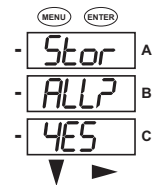
     NOTE: If you do not want to save your settings, press the **RIGHT ARROW.** YES changes to no. Press the **ENTER** button.
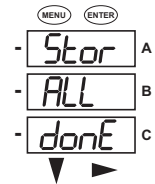
Example CT Settings:

200/5 Amps:	set the Ct-n value as 200, Ct-S value as 1.
800/5Amps:	set the Ct-n value as 800, Ct-S value as 1.
2000/5 Amps:	set the Ct-n value as 2000, Ct-S value as 1
10,000/5 Amps:	set the Ct-n value as 1000, Ct-S value as 10.

Example PT Settings:

14400/120 Volts:	set the Pt-n value as 1440, Pt-d value as 120, Pt-S value as 10.
138000/69 Volts:	set the Pt-n value as 1380, Pt-d value as 69, Pt-S value as 100.
345000/115 Volts:	set the Pt-n value as 3450, Pt-d value as 115, Pt-S value as 100.
345000/69 Volts:	set the Pt-n value as 345, Pt-d value as 69, Pt-S value as 1000.

Also refer to the manual for additional wiring options and programming information - the manual is on the enclosed CD.

Refer to the EM-1000/EM-2000 Series Meters' Installation and Operation Manual (LIT-12011867) for important product application information. Also refer to the manual for additional wiring options, pro-gramming information, and instructions on using the EM-2000 Series meter's BACnet/IP. The manual is on the enclosed CD.

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