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IQ 100 Series Meter Quick Start Guide

Mechanical Installation

ANSI Studs

92mm Square Form

Unscrew ANSI Studs
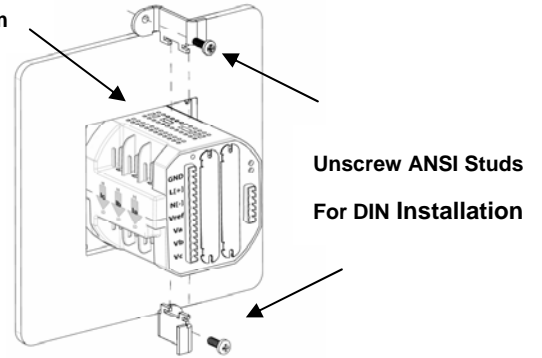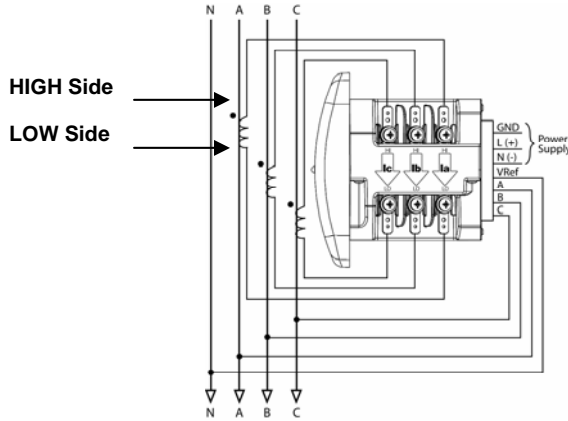
For DIN Installation

4" Round Form
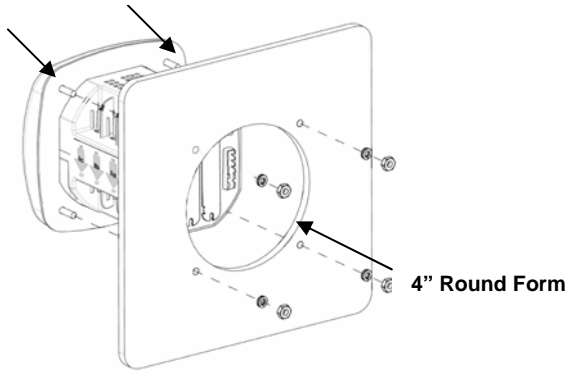
ANSI Installation (4 " Diameter Round Mounting)
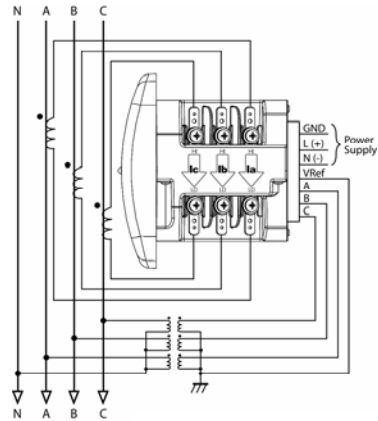NOTE: Do not overtighten nuts. The maximum installation torque is 0.4 Newton-Meter.

DIN Installation (92 mm Square Mounting)

Electrical Wiring

HIGH Side

LOW Side

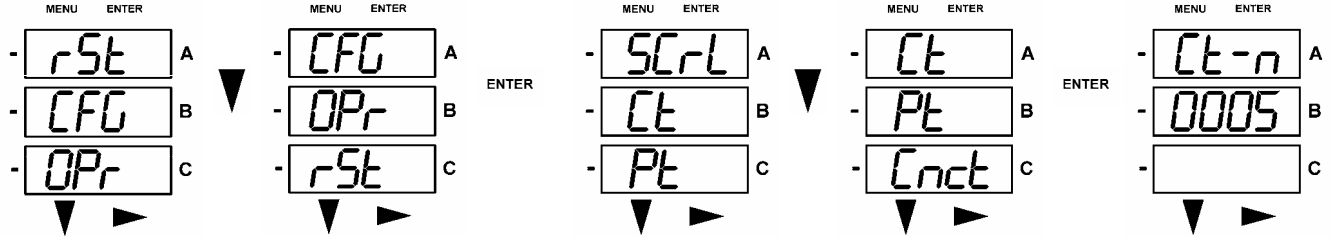**WYE Direct 3 Phase, 4-wire**

WYE with PTs 3 Phase, 4-wire

NOTE: Other wiring configurations are available. See the *IQ 100 Series User and Installation Manual*, on the enclosed CD.
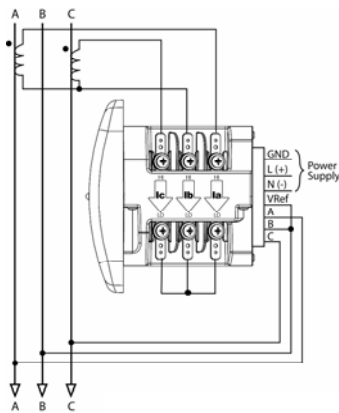
DELTA Direct 3 Phase, 3-wire
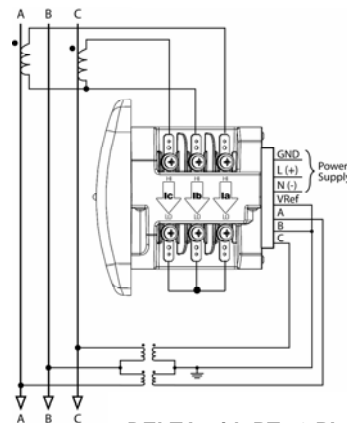
DELTA with PTs 3 Phase, 3-wire

Program Settings Using the IQ 100 Series Meter Faceplate Buttons
■ Configuration Mode Using Buttons: MENU, ENTER, DOWN (Arrow) and RIGHT (Arrow)

Push **MENU** from any Readings screen. The MAIN MENU screens appear. Push **DOWN** and the Configuration Mode String (CFG) blinks in A Screen. Push **ENTER**. The Configuration Mode **Scroll, CT, PT** screen appears. Push **DOWN** to scroll to **CT, PT, Cnct.**

MENU ENTER			MENU ENTER			MENU ENTER			MENU ENTER			MENU ENTER
- rSt	A		- CFG	A		- SCrL	A		- Ct	A		- Ct-n	A
- CFG	B		- OPr	B		- Ct	B		- Pt	B		- 0005	B
- OPr	C		- rSt	C		- Pt	C		- Cnct	C		-	C

■ Enter Password

All parameters in Configuration Mode (except Scroll) require a 4-digit PASSWORD to change a setting. On the CT, PT, Cnct screen, push **ENTER.** The Ct-n scr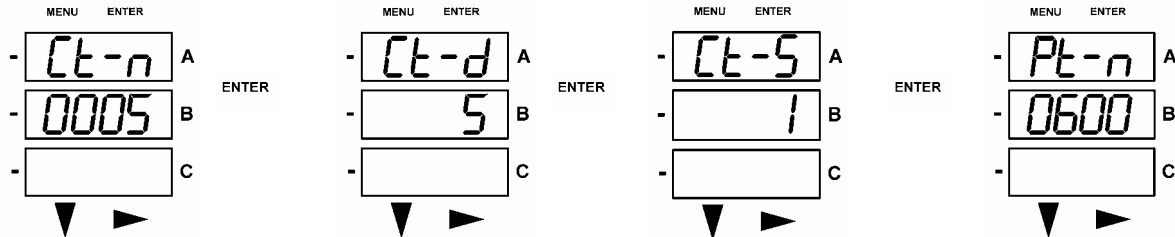een appears. Push **DOWN** and the Password screen appears. Four dashes appear in the B Screen. The left digit flashes. Use the **DOWN** button to change the digit. Use the **RIGHT** button the move to the next digit. Push **ENTER.**
If the **correct Password** was entered, you return to the Ct-n and the left digit of the setting flashes (ready for change).

MENU ENTER	
- PASS	A
- – – – –	B
-	C
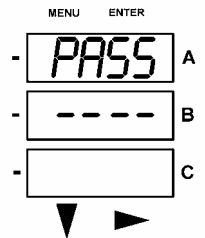
■ Configure CTs (Example Screens) and PTs

There are 3 CT Screens: Ct-n (Numerator), Ct-d (Denominator) and Ct-S (Scaling). PT Screens are similar. Push **DOWN** to scroll from 0 to 9 to enter a new digit. Push **RIGHT** to move to the next digit. When the new setting is entered, push **ENTER**. The Ct-d screen is **PRESET** at the factory and **cannot be changed**. Push **ENTER**, repeat steps for Ct-S. Push **ENTER**. PT Configuration Screens will appear next, then Connection (Cnct) screens.

MENU ENTER			MENU ENTER			MENU ENTER			MENU ENTER	
- Ct-n	A		- Ct-d	A		- Ct-S	A		- Pt-n	A
- 0005	B		- 5	B		- 1	B		- 0600	B
-	C		-	C		-	C		-	C

Example CT Settings:

200/5 Amps:	Set the Ct-n value for 200, Ct-S value for 1.
800/5 Amps:	Set the Ct-n value for 800, Ct-S value for 1.
2,000/5 Amps:	Set the Ct-n value for 2000, Ct-S value for 1.
10,000/5 Amps:	Set the Ct-n value for 1000, Ct-S value for 10.

Example PT Settings:

14,400/120 Volts:	Pt-n value is 1440, Pt-d value is 120, Pt-S value is 10.
138,000/69 Volts:	Pt-n value is 1380, Pt-d value is 69, Pt-S value is 100.
345,000/115 Volts:	Pt-n value is 3450, Pt-d value is 115, Pt-S value is 100.
345,000/69 Volts	Pt-n value is 345, Pt-d value is 69, Pt-S value is 1000.

NOTE: For further details, refer to the *IQ 100 Series User and Installation Manual*, on the enclosed CD.

■ Wiring Connection (Cnct)

MENU ENTER			MENU ENTER			MENU ENTER	
- Cnct	A		- Cnct	A		- Cnct	A
- 3 EL	B		- 2.5EL	B		- 2 Ct	B
- WYE	C		- WYE	C		- dEL	C
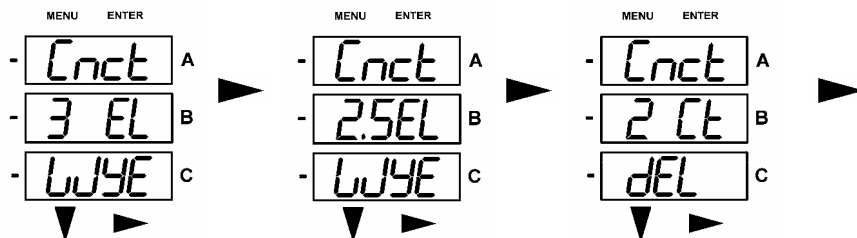
When you have finished programming the IQ 100 Series meter:

Use **RIGHT** to scroll settings. Push **MENU** twice and Stor ALL? YES appears. To store all settings, push **ENTER**. Stor ALL DONE appears.

Or, if you do not want to store the new settings, push **RIGHT** to Stor ALL? no. Push **ENTER** and return to Auto-Scroll Parameter Designators.