

## Instructions for the Three-Phase Power Module: Style IQM3PPM (66C2113)



Fig. 1 Three-Phase Power Module

### THE MODULE

The Three-Phase Power Module (IQM3PPM) is designed for use with the IQA6400/IQA6600 (66d2045) and DP4000 (66d2040) meters in three-phase applications from 100Vac to 600Vac.

In applications using either the IQA6400/IQA6600 or the DP4000/DP4100, supply power can be drawn directly from the three-phase line-to-line voltage.

The IQM3PPM may also be used in certain applications of the IQA6000/6200 (2d82302) or DP4000/DP4100 (4d13110) where the NEU terminal is grounded. These applications include three-wire applications and applications with potential transformers (PT's). In either of these acceptable retrofit applications, the NEU to GND potential at the meter terminals is zero.

### INSTALLATION

This device is designed to be installed, operated, and maintained by adequately trained personnel. These instructions do not cover all details, variations, or combinations of the equipment, its storage, delivery, installation, checkout, safe operation, or maintenance. Care must be exercised to comply with local, state, and national regulations, as well as safety practices, for this class of equipment.



### CAUTION

**REMOVE ALL POWER FROM (DE-ENERGIZE) THE DEVICE TO WHICH THE POWER MODULE IS BEING ATTACHED OR WIRED; OTHERWISE, SERIOUS OR FATAL PERSONAL INJURY AND EQUIPMENT DAMAGE MAY RESULT.**

### REMOVING EXISTING POWER MODULE

Disconnect all power to the existing meter, including power to any relay contacts of the device. Clearly mark all wire connections. Then, disconnect all wires from the existing power module. Refer to Fig. 2 and your meter's technical manual.

Unscrew the plug lock assembly on the ribbon cable from the meter chassis and remove the cable from the power module connector. Carefully remove the two shoulder screws that secure the power module to the chassis.



### CAUTION

**BE PREPARED TO SUPPORT THE POWER MODULE ONCE THE SCREWS HAVE BEEN REMOVED.**

### MOUNTING TO IQ ANALYZER OR DP4000

Place the Three-Phase Power Module in its mounting position on the rear of the meter chassis, in the same position as the one removed. Replace the two shoulder screws to secure the IQM3PPM. Reconnect all wires to the IQM3PPM and meter - tighten all screws.

**REMOTE MOUNTING OF THE IQM3PPM**

In those cases where it is necessary to mount the IQM3PPM separately from the chassis, be sure that:

- (1) The location allows for a cable connection between the meter chassis and the IQM3PPM by means of a 45-inch extension cable (IQA45CABLE).
- (2) The IQM3PPM physical dimensions are shown in Fig. 2 below.

To mount the IQM3PPM, use the module as a drilling template at the new location. The two #8-32 screws can be used to remount the module in holes that are properly drilled and tapped.

Reconnect all wires to the IQM3PPM and meter — tighten all screws.

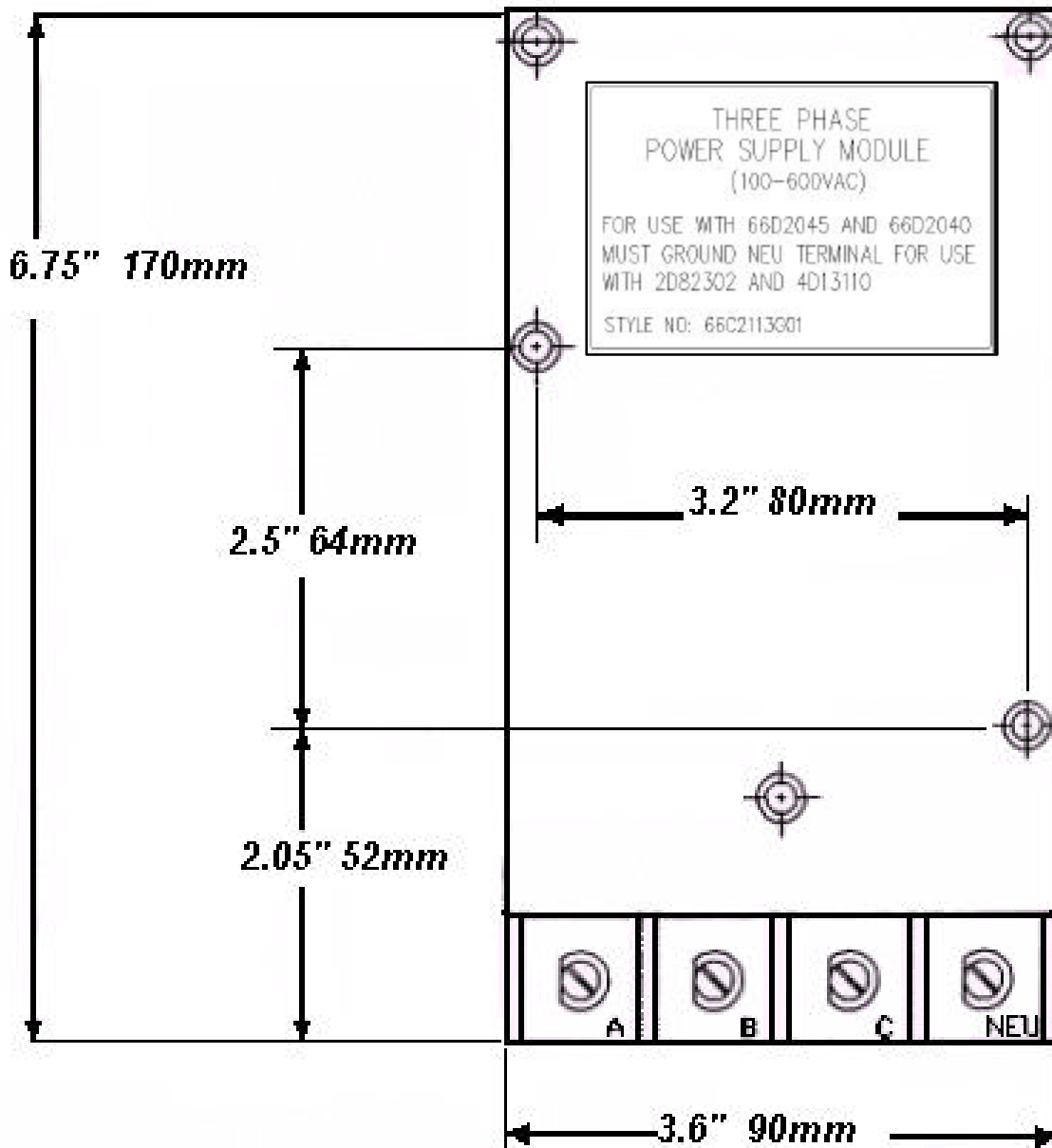


Fig. 2 Power Module Physical Dimensions and Mounting Holes

**OPERATION CHECK**

Verify that the NEU terminal is used. In three-wire applications or applications with PT's, the NEU terminal must be tied to ground. Otherwise, wire NEU to the power system's neutral.

Apply ac line power to the meter. The front display of meter should become operational within 2 seconds at 480 Vac or within 8 seconds at 120 Vac. If the device is not powered, remove power and check the wiring diagrams and device connections.

Restore ac line power to the meter and check readings on the unit. If the readings do not check out, or an alarm condition occurs, consult the instruction manual or call Power Management Application Support at **1(800) 809-2772**.

**MAINTENANCE**

This industrial type control is designed to be installed, operated, and maintained by adequately trained personnel. These instructions do not cover all details, variations, or combinations of the equipment, its storage, delivery, installation, checkout, safe operation, or maintenance. Care must be exercised to comply with local, state, and national regulations, as well as safety practices, for this class of equipment.

There are no user serviceable parts on the Separate Source Power Module. While there is a 0.25A fuse within the module, its failure would indicate other problems that require repair. The user should not attempt servicing this equipment. Please contact your local Cutler-Hammer representative or the Cutler-Hammer Power Management Application Support (PMAS) for service information or additional questions.

**CONTACT INFORMATION**

<b>PMAS</b>	<b>1(800) 809-2772</b>
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