PXM4/6/8K Meter Advanced Color Touchscreen Display Quick Start Guide

Figure 1. Dimensions of the PXM4/6/8K Meter Advanced Display - 12" Color Touchscreen (PXM468K-DISP-12).

For detailed information concerning the operation and features available in the PXM4/6/8K Meter Advanced Display - 12″ Color Touchscreen (PXM468K-DISP-12), please refer to the sections on Web Server Screens in the PXM4000/6000/8000 User and Installation Manual (IM02601004E) available on the Eaton website (www. eaton.com/meters).

Installation

1. Disconnect and lockout all power to the enclosure.

2. Inspect the enclosure door to determine the best mounting location for the PXM4/6/8K Meter Advanced Color Touchscreen Display.

   Note: A minimum clearance of 1 in. (25.4 mm) must be maintained between the back of the display and any other component within the enclosure.

3. Use the mounting template to mark the cutout area on the enclosure door. Cut out the marked area.

Figure 2. Cut Out Dimensions.

4. Insert the PXM4/6/8K Meter Advanced Color Touchscreen Display through the cutout. Secure by tightening the supplied fasteners.

5. Check for proper alignment of the PXM4/6/8K Meter Advanced Color Touchscreen Display then torque fasteners to 7 lb-in. (0.8 N·m).

6. Set the PXM4/6/8K meter to Advanced Display mode by changing the Security Mode Dip Switches to OFF-OFF-ON. This disables the log-in screen when the Advanced Display is connected to the Local Config. Port. The Local Config. Port should never be connected directly to a network.

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Connections

To use the PXM4/6/8K Meter Advanced Color Touchscreen Display, provide power through the included connector. This display accepts an input from 9-36 VDC with a maximum power consumption of 60 W.

The display's plug-in terminals provide connections for +V, -V, and floating ground.
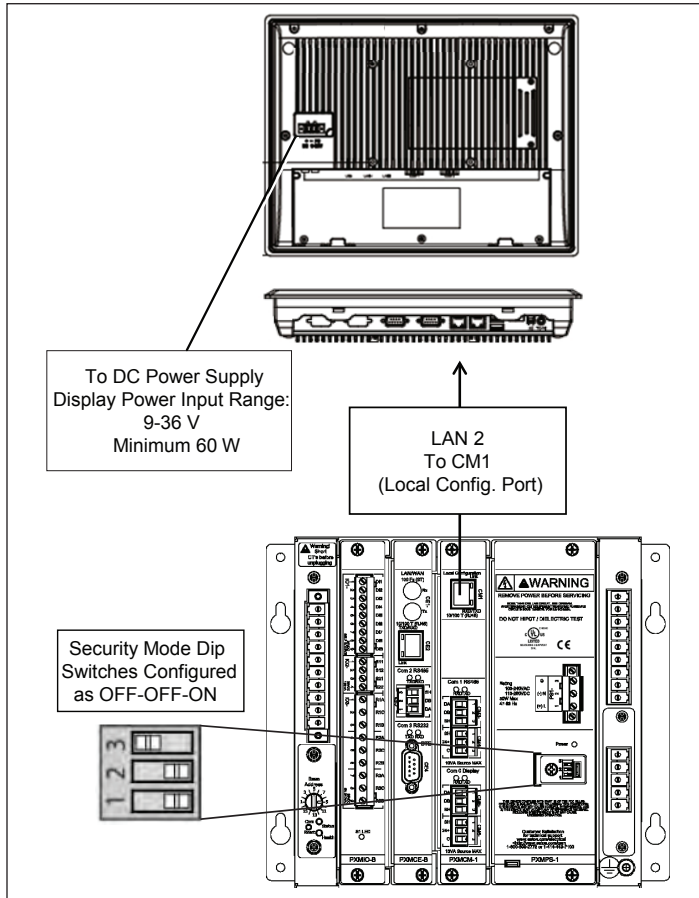

Figure 3. Power and COM Port Connections for the PXM4/6/8K Meter Advanced Color Touchscreen Display.

The PXM 4/6/8K Meter Advanced Color Touchscreen Display requires a RJ45 Ethernet cable. This connects directly to the Local Configuration CM1 on PXMCM-1.

When the unit is powered and properly connected to the meter, the main screen of the meter interface should appear
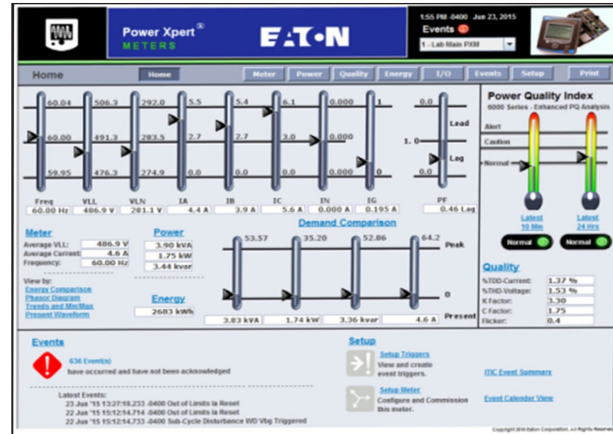
Figure 4. Main Screen of Meter Interface.

Figure 5. Meter Web Server Configuration Screen Com 1 & 2 Setup.

In order to communicate with multiple meters, the primary meter must be configured as Master Gateway. Any additional meters must be configured as Slave Gateway. This can be set using the meter's web server configuration page for Com 1 & 2.

Additional (slave) meters can be connected to the display by daisy-chaining the RS 485 ports between meters. This configuration also requires that each meter in the chain have a unique base address. This can be set with the rotary switch located on the bottom left side of the meter. Please reference the PXM4000/6000/8000 User and Installation Manual for full details.

Remote access to Ethernet enabled features for 4/6/8K requires LAN connection to PXMCE-B.

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