For detailed information concerning the operation and features available in the PXM4/6/8K meter display - 6” color touchscreen (PXM468K-DISP-6-XV), please refer to PXM4/6/8K meter color touchscreen display features (IB150021EN) available on the Eaton website (www.eaton.com/meters).

**Figure 1. Color touchscreen display for PXM4/6/8K series meter.**

**Figure 2. Dimensions of the PXM4/6/8K meter display - 6” color touchscreen (PXM468K-DISP-6-XV).**

**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 color touchscreen display.
   - **Note:** A minimum clearance of 1.18 in. (30.0 mm) must be maintained between the ventilation holes in 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.
4. Ensure proper gasket placement on the PXM4/6/8K meter color touchscreen display.
5. Insert the PXM4/6/8K meter color touchscreen display through the cutout.
6. Fit the supplied threaded pins in the retaining brackets. The tips of the threaded pins must point towards the wider ends of the retaining brackets. Clip on the retaining brackets in the recesses provided for them on the device.
7. Check for proper alignment of the PXM4/6/8K meter color touchscreen display. Then fix the device by torquing the threaded pins to 0.1 Nm (0.86 lb-in) with a 2 mm hexagonal screwdriver. The front of the display should be flush with the surface of the control cabinet at the fixing points.

**Connections**

To use the PXM4/6/8K meter color touchscreen display, provide 24 Vdc and connect the power cable between the color touchscreen display and the PXM4/6/8K meter.

The display’s plug-in terminals provide connections for +24, GND and common (0).
Figure 5. Power and COM port connections for the PXM4/6/8K meter display touch screen display.

Included with the PXM4/6/8K meter color touchscreen display is a data cable to connect the DB9 of the color touchscreen display to 3-terminal COM 1 (RS485) of the PXM4/6/8K meter.

The supplied cables are designed to connect the meter to the PXM4/6/8K meter color touchscreen display as follows:
- Data cable: CM3
- Power cable: CM4

In order to communicate with the display, the meter must be configured as “Slave (RTU).” This can be set using the meter’s web server configuration page for COM 1 & 2.

Figure 6. Meter web server configuration screen COM 1 & 2 setup.
For best results, use the default communication settings for the
PXM4/6/8K meter and PXM4/6/8K meter color touchscreen display
(115.2 kbps, 1 start bit, 1 stop bit, no parity).

Note: By default, the PXM4/6/8K meter color touchscreen display is pre-
set for a PXM4/6/8K meter slave address of “01". To accommodate a dif-
ferent slave address, the user MUST change the PXM4/6/8K meter color
touchscreen display’s “Modbus ID” This number MUST match the rotary
switch located on the side of the meter. This setting can be found under
Settings > Meter ID.

Figure 7. Changing the Modbus ID.

Meter firmware requirements
• The minimum meter firmware version required for compatibility is
  13.3.6.1.

Technical information
• 640 x 480 pixel backlit VGA touch screen display.
• Power: 24 Vdc input.
  • Recommended: PXM display power cable (67A2180H11)
    between the display and PXM4/6/8K’s CM3 source
  • Optional: PSG60E (85-264Vac), PSG60F (320-576Vac)

Display measurements
• Height: 5.24 in. (133 mm);
• Width: 6.81 in. (173 mm);
• Depth: 1.54 in. (39 mm);
• Weight: 1.32 lb (600 g);
• Cutout dimensions: 4.61 in. x 6.18 in.(117.0 x 157.0 mm).

Ratings
• Front bezel IP rating: IP65;
• Operating temperature: 0 ~ 50°C (32 ~ 122°F);
• Storage temperature: -20 ~ 60°C (-4 ~ 140°F);
• Ambient humidity: 10% ~ 90% RH (0 ~ 40°C [32 ~ 104°F]),
  10% ~ 55% RH (41 ~ 50°C [105.8 ~ 122°F]).
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