PXBCM meter color touchscreen display quick start guide

For detailed information concerning the operation and features available in the PXBCM meter display - 6” color touchscreen (PXBCM-DISP-6-XV), please refer to PXBCM meter color touchscreen display features (IB150023EN) 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 PXBCM 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. Insure proper gasket placement on the PXBCM meter color touchscreen display.

5. Insert the PXBCM 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 PXBCM meter color touchscreen display. Then fix the device by torquing the threaded pins to 0.1 Nm (0.86 lb-in) with a 2mm hexagonal screwdriver. The front of the display should be flush with the surface of the control cabinet at the fixing points.

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Figure 1. Color touchscreen display for PXBCM series meter.

Figure 2. Dimensions of the PXBCM meter display - 6” color touchscreen (PXBCM-DISP-6-XV).

Figure 3. Cut out dimensions.

Figure 4. Mounting the PXBCM meter display.
Connections

To use the PXBCM meter color touchscreen display, provide 24 Vdc and connect the power cable between the PXBCM color touchscreen display and the PXBCM-MB meter. The display’s plug-in terminals provide connections for +24, GND and Common (0). Included with the PXBCM meter color touchscreen display is a data cable to connect DB9 of the color touchscreen display to 3-terminal COM 1 (RS485) of the PXBCM meter base.

For best results, use the default communication settings for the PXBCM color touchscreen display (115.2 kbps, 1 start bit, 1 stop bit, no parity).

Note: By default, the PXBCM color touchscreen display is preset for a PXBCM meter base slave address of "01". To accommodate a different slave address, the user MUST change the PXBCM meter color touchscreen display’s "Modbus ID".

Figure 5. Power and COM port connections for the PXBCM meter display touchscreen display.

Figure 6. Changing the Modbus ID.