

quick start guide

E2 Setup with Schneider PM210 MODBUS Device for 527-0397

This document will guide you through setting up and commissioning the Schneider PM210 Network Analyser with MODBUS RTU Interface in the E2 controller.

Note that Open MODBUS Description files require E2 firmware version 3.01F01 or higher.

STEP 1: Upload the Description File to the E2 Controller

1. From UltraSite, connect to your E2 controller.
2. Right-click on the E2 icon and select **Description File Upload**.
3. Browse to the location of the description file and click **Upload**.
4. Once upload is complete, reboot the E2 controller.

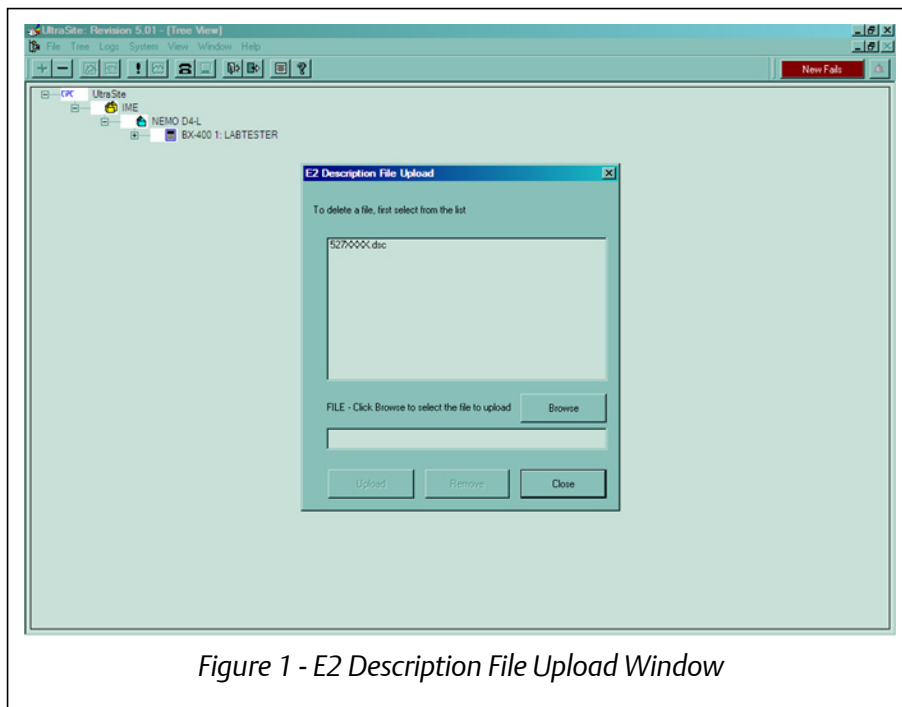



Figure 1 - E2 Description File Upload Window

STEP 2: Activate the License of the Device

1. From the E2 front panel (or via Terminal Mode), press , **&7** (System Configuration) and **9** (Licensing).
2. Press **F1** (ADD FEATURE) and enter the license key.

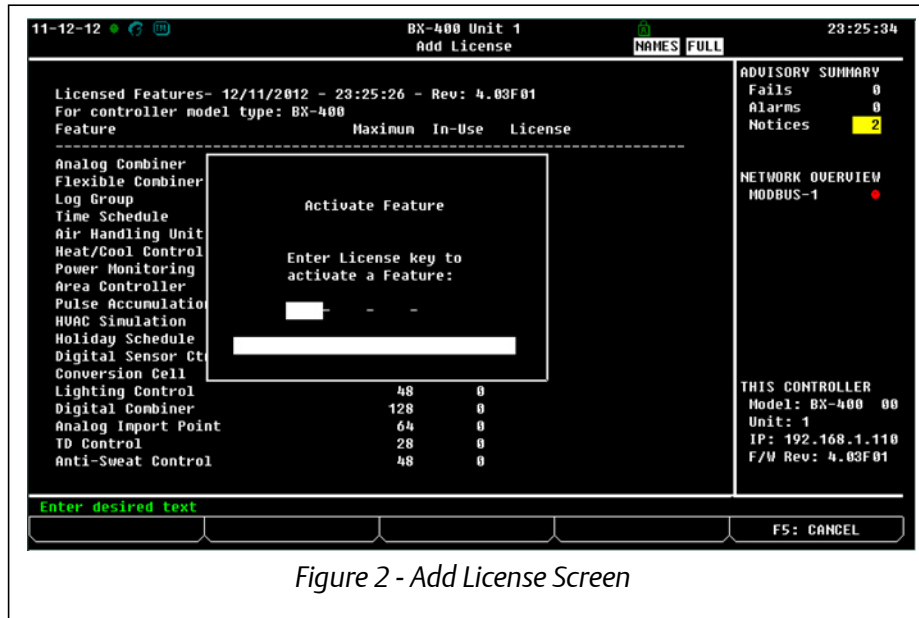




Figure 2 - Add License Screen

STEP 3: Add the Device in the E2 Controller

1. Press , **&7** (System Configuration), **&7** (Network Setup), **@2** (Connected I/O Boards & Controllers).
2. Press **F2** (NEXT TAB) to shift over to the C4: Third Party tab. The name of the device will display in the list. Highlight the device name and enter the number of devices and press  to save changes.

STEP 4: Assign a MODBUS Port

1. Press **Menu**, **7** (System Configuration), **4** (Remote Communications), **3** (TCP/IP Setup).
2. Select the COM Port the device is connected to, press **F4** (LOOK UP) and select the appropriate MODBUS selection.

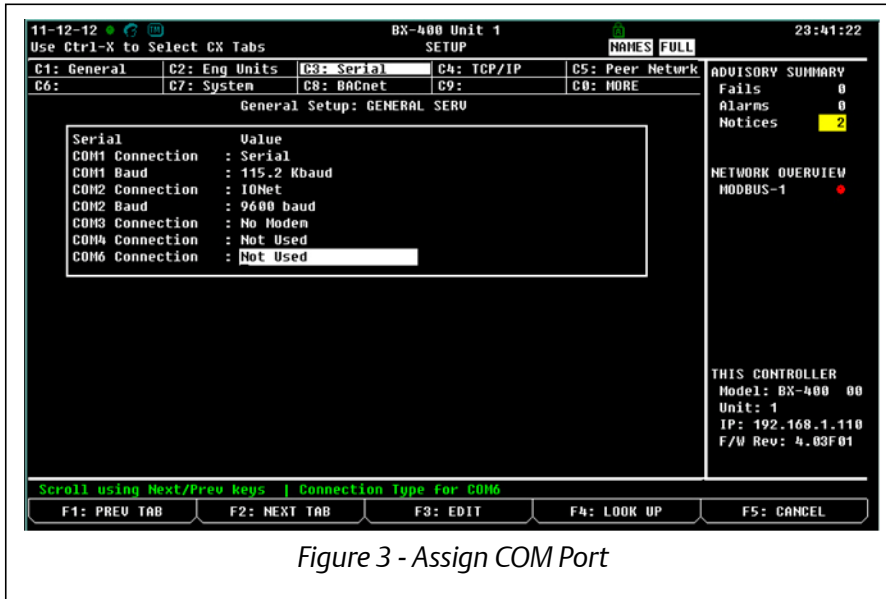


Figure 3 - Assign COM Port

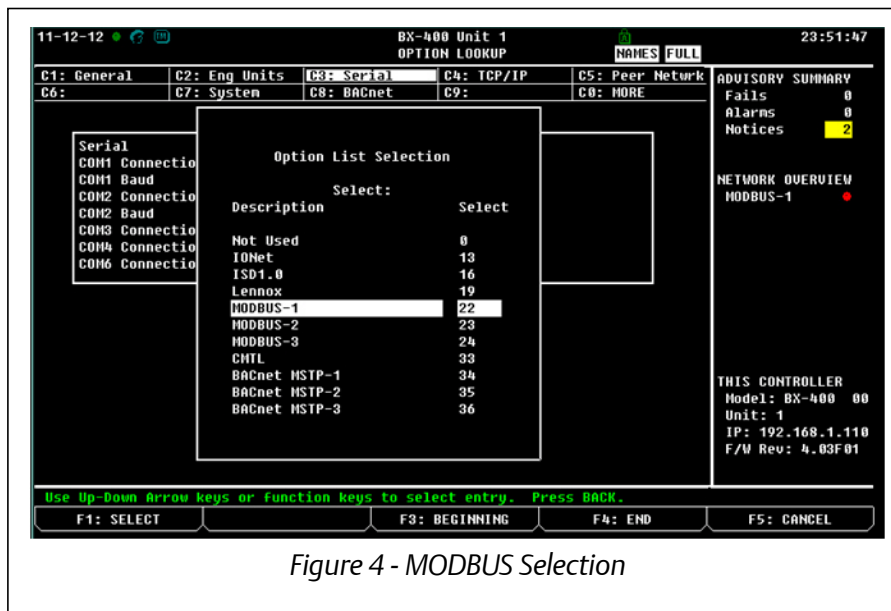


Figure 4 - MODBUS Selection

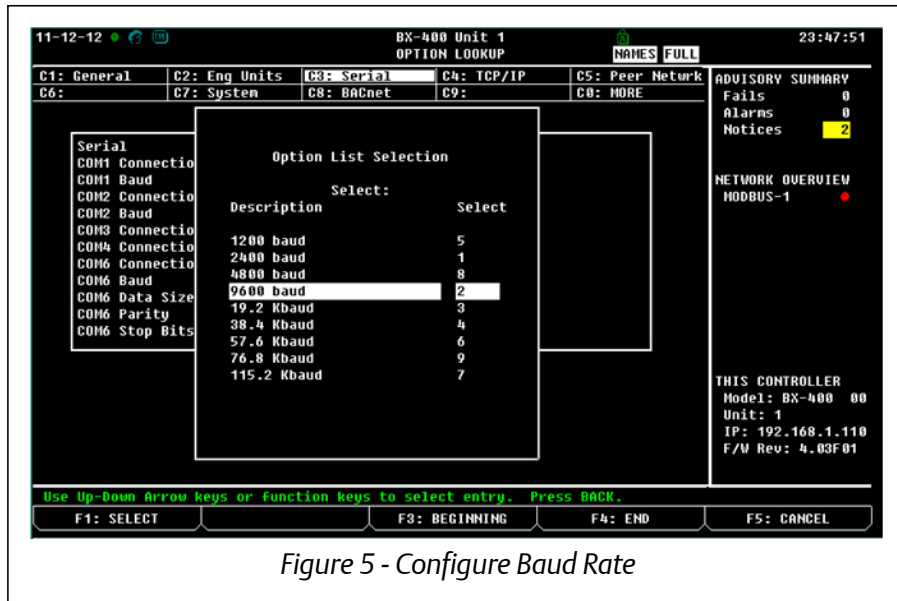
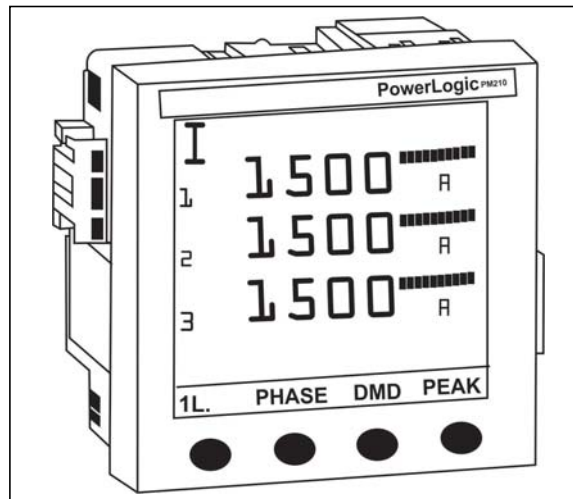


Figure 5 - Configure Baud Rate

3. Set the Data Size, Parity and Stop Bits. Press **F4** (LOOK UP) to select the appropriate values. The baud rate and other communication parameters must also be configured on the MODBUS device.



For any further information please refer to the document: PM210 Reference Manual - 63230-510-205.pdf

STEP 5: Commission the Device to the E2 Controller

1. Press **Menu**, **7** (System Configuration), **7** (Network Setup), **1** (Network Summary).
2. On the Network Summary screen, highlight the device name, press **F4** (COMMISSION). Select the preferred MODBUS port where you will assign the device, then assign the MODBUS address of the device.

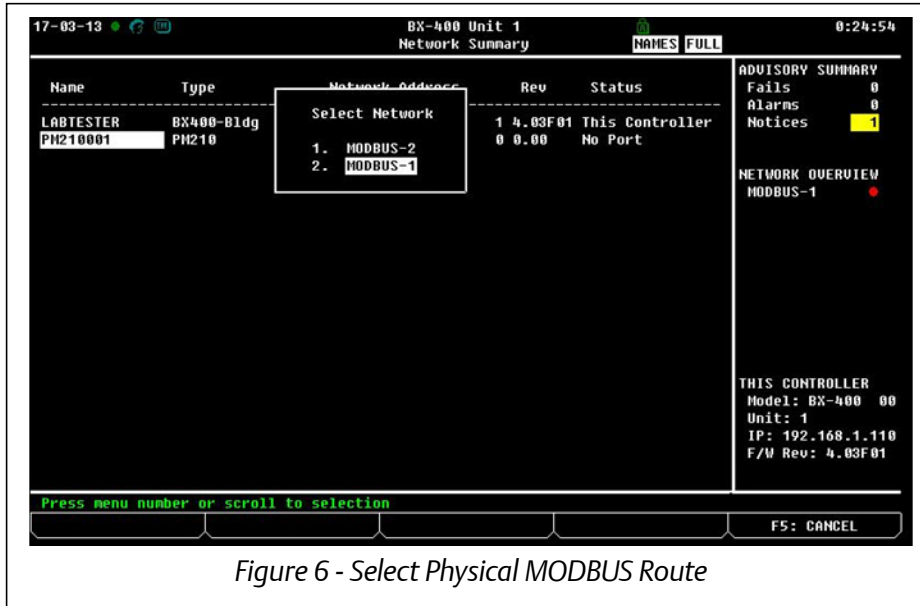


Figure 6 - Select Physical MODBUS Route

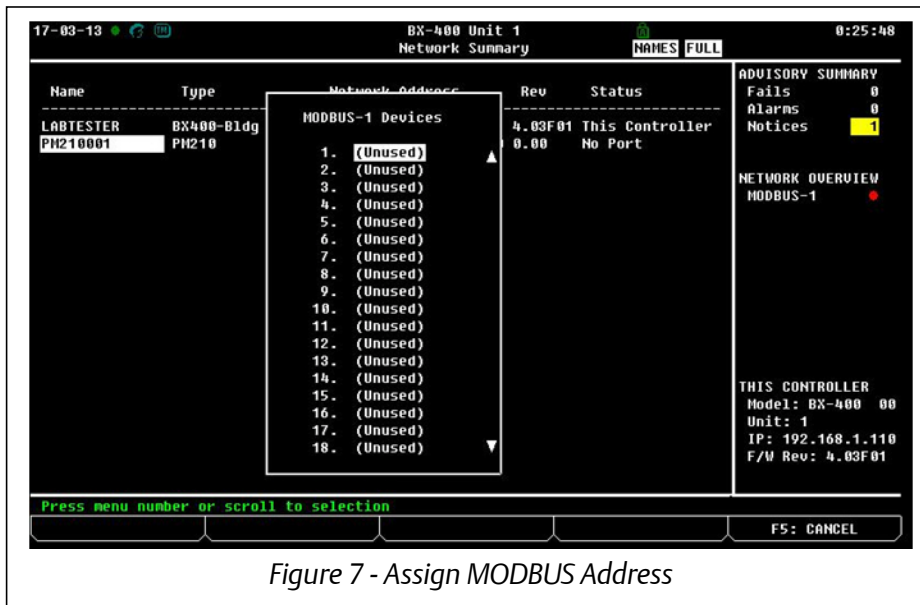


Figure 7 - Assign MODBUS Address

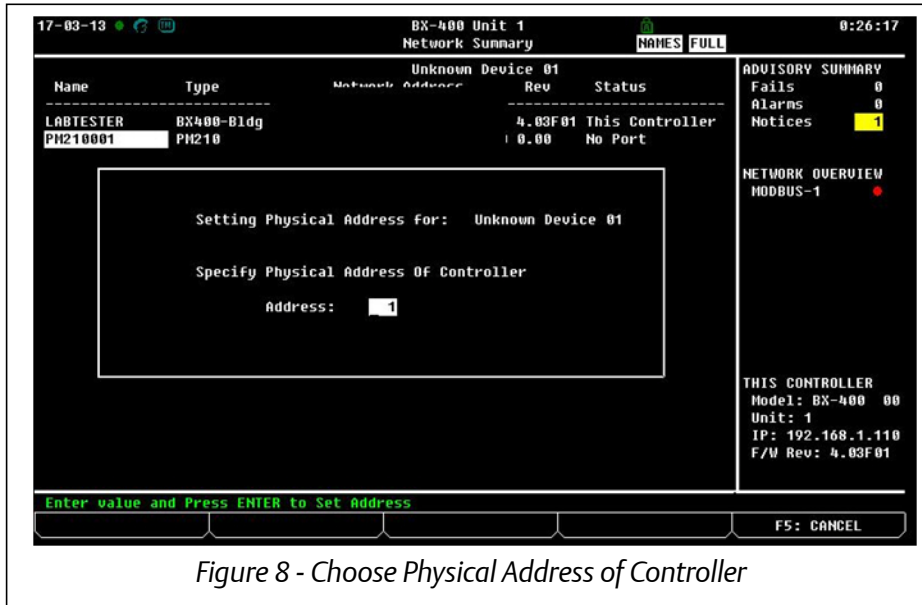


Figure 8 - Choose Physical Address of Controller

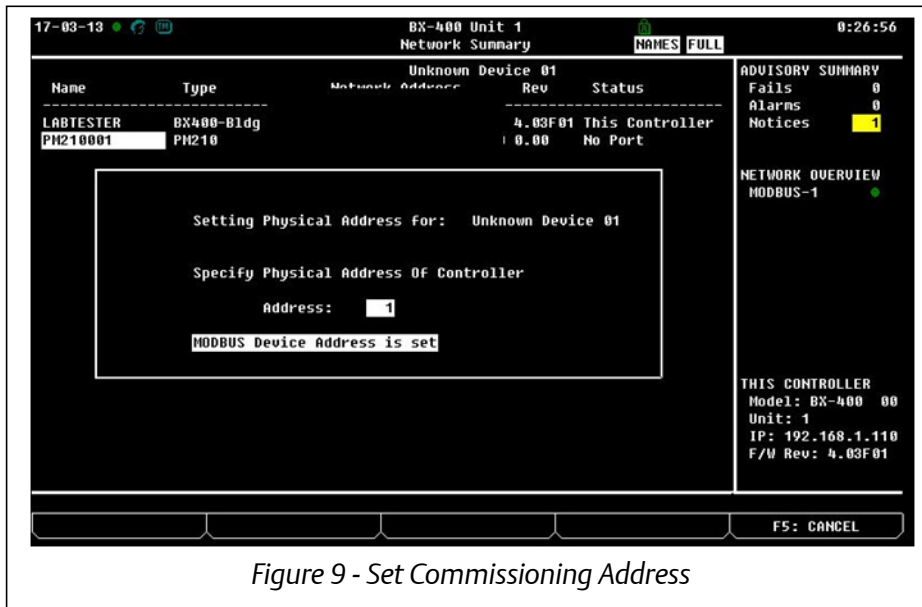


Figure 9 - Set Commissioning Address

- After assigning the MODBUS address and verifying that the device wired properly, the device should come online on E2 Network Summary screen.

NOTE: Make sure the polarity is reversed on the E2.

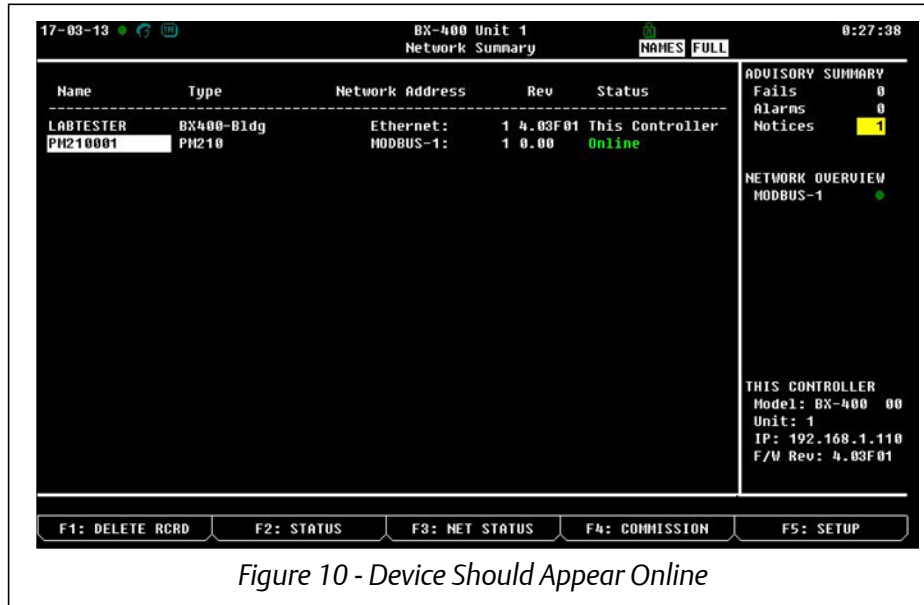


Figure 10 - Device Should Appear Online

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