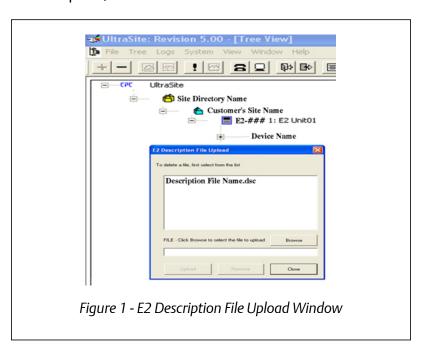
quick start guide

E2 Setup with GENERAC H-100 Panel MODBUS Device for 527-0405

This document will guide you through setting up and commissioning the H-100 Panel third-party MODBUS device in the E2 controller.

STEP 1: Upload the Description File to the E2.

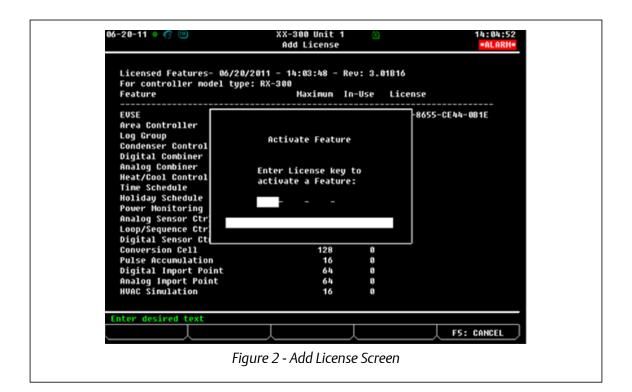
- 1. Connect to your E2 using UltraSite (refer to *UltraSite32 User's Guide P/N 026-1002*).
- 2. Right-click the E2 icon and select **Description File Upload**.
- 3. Browse to the location of the description file and click **Upload**.
- 4. Once upload is complete, reboot the E2 controller.



STEP 2: Activate the License of the Device.

- 1. Log in to the E2 controller.
- 2. From the E2 front panel (or via Terminal Mode), press , , (Licensing).
- 3. Press [F1] (ADD FEATURE) to add the license key.

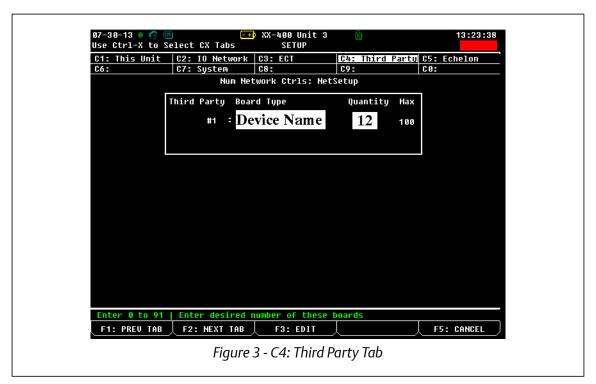




STEP 3: Add the Device in the E2.

- 1. Press , †, †, (Connected I/O Boards & Controllers).
- 2. Press to go 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 to add under the **Quantity** field.

3. Press to save the changes.

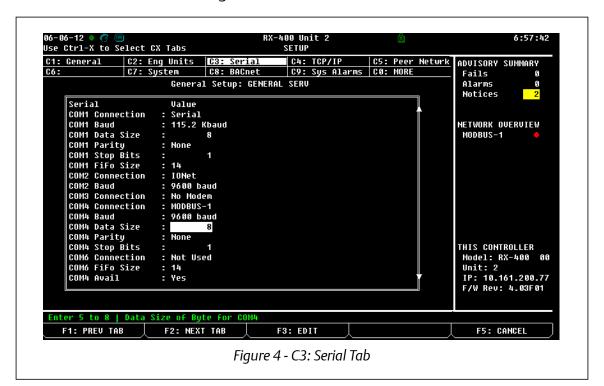


STEP 4: Set Up the Device E2 Serial Port.

- 1. Log in to the E2 controller.
- 2. Press , ‡, ‡, (General Controller Information).
- 3. Select F2 to go to the C3: Serial tab. Highlight the physical COM Connection Port that will be assigned to the device and set up the Manufacturer's communication configurations as follows:
- COM# Baud: 9600 kb
- COM# Data Size: 8
- COM# Parity: None
- COM# Stop Bits: 1

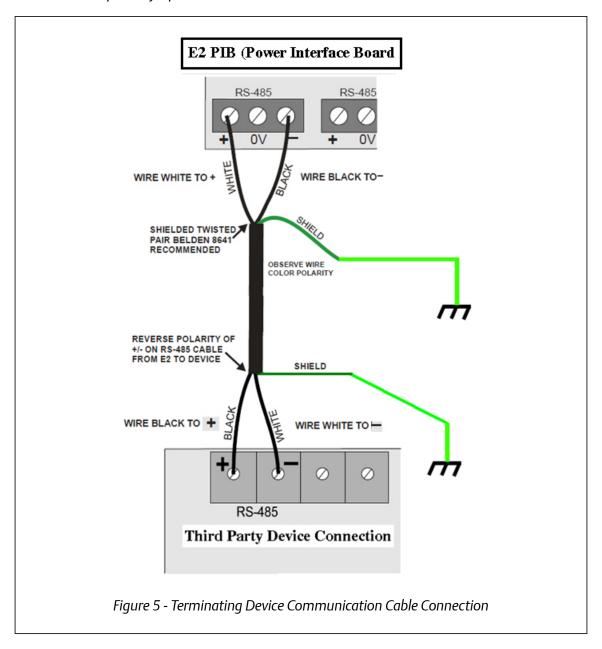
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4. Press to save the changes.



STEP 5: Terminate the Device's MODBUS RS-485 Communication Cable as Shown in *Figure 5*.

NOTE: Reverse the polarity of the device's communication cable connection.

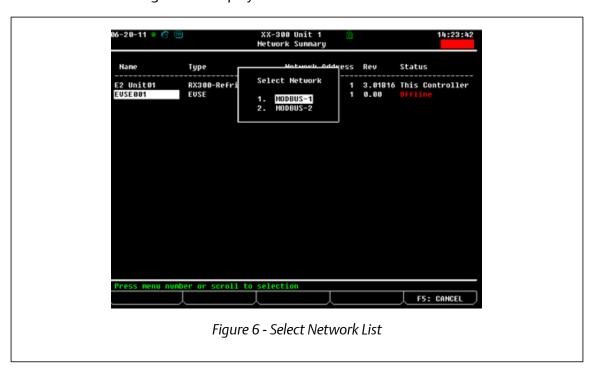


STEP 6: Commission the Device.

Selecting the Device MODBUS Network

- 1. Log in to the E2 controller.
- 2. Select , †, †, † (Network Summary).
- 3. On the *Network Summary* screen, highlight the device name, press [F4] (*COMMIS-SION*), and select the preferred MODBUS Network (*Figure 6*). (Note that multiple MODBUS Networks appear in the list if more than one serial ports were set up initially.)
- 4. Press Enter.

NOTE: If there is only one MODBUS-1 Network in the list and F4 (COMMISSION) is pressed, the MODBUS device addressing list will display.



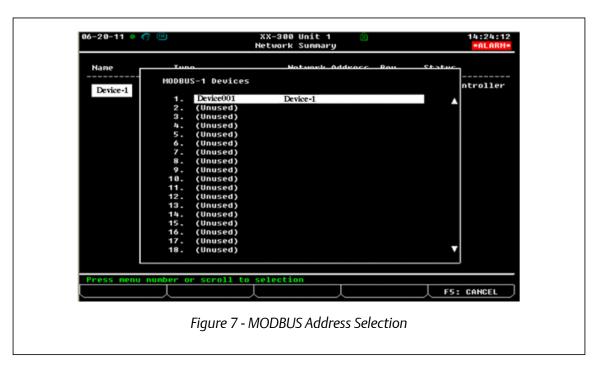
Setting Up the Device's MODBUS Address in E2

- 1. Select , 7, 7, 1 (Network Summary).
- 2. Using the E2 arrow keys, select the desired MODBUS device and press (COMMISSION). The E2 MODBUS addressing list will display. Select the desired MODBUS addressing slot for the device from the list (Figure 7).

NOTE: The MODBUS addressing slot pertains to the device address on the E2 controller only. The MODBUS address must be the same with the address assigned on the device. The actual device

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address must be configured at the local Third Party MODBUS Remote Terminal Unit (RTU) to enable communication with the E2 controller.

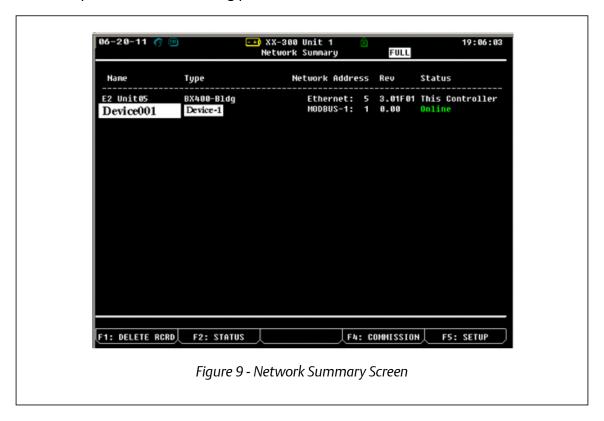


3. Next, press and the MODBUS address will be set as shown:



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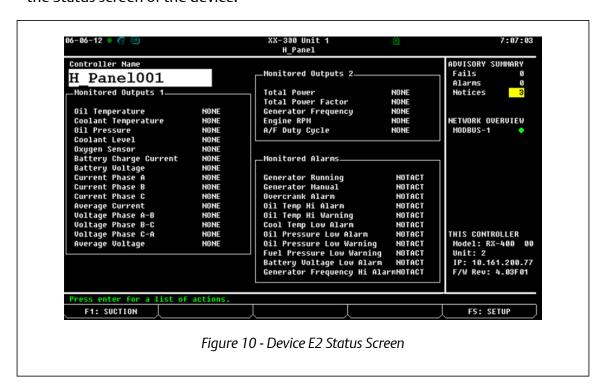
NOTE: After a few seconds the device will appear online (**Figure 9**) to confirm that the commissioning process has completed. If the device still appears offline, re-check the RS-485 Cable terminations and repeat the commissioning process.



STEP 7: View the Status of the Device.

NOTE: The commissioning process is completed once the RTU is online.

- 1. Press , (Configured Applications). The Configured Applications list displays.
- 2. Highlight the name of the device in the list using the arrow keys and press to view the Status screen of the device.



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