## MRLDS-450 Application In E2

## **Installation Guide**

Note: Installing the MRLDS-450 requires version E2E 4.10F01 or later. You must add a description file for version E2 3.10F01 or less.

# New Installation: Uploading the MRLDS-450 Description File to E2

The MRLDS-450 requires adding a description file (P/N 527-0754) and license key to E2 version 3.0X or later. Contact Customer Service to obtain this information:

Email: Solutions.CustomerService@Emerson.com

Phone: 770-425-2724 Option 4

Note: UltraSite32 software should be installed to perform a description file upload.



#### **Connect to E2 using UltraSite32**

- 1. Launch UltraSite program and login.
- 2. View the **Directory Level** and then **Site Level**.
- 3. Right-click **Site Level** and click **Connect**.
- 4. Locate the E2 where the **MRLDS\_450.dsc** will be installed.
- 5. Right-click the unit and select **Upload Description File**.
- 6. Click **Browse** to select the appropriate description file (5270754.dsc) file for MRLDS-450 from the computer and click **Open**.
- 7. Click **Upload**. A window will display the description file was successfully imported. Click **OK**. The description file should appear inside the window.
- 8. Once completed, disconnect from the E2 and reboot the E2 controller.

Note: Do not omit the step of rebooting the controller.



## **Device Setup**

### **E2 Serial Port Setup**

- 1. Log into the E2 controller.
- 2. Press Menu , \*7 , \*3 , and \*1 (General Controller Information), then press F2 twice to move to the C3: Serial tab.
- 3. Press the down arrow key to the **COM Connection** where the device is wired.
- 4. Press F4 (LOOK UP) and select MODBUS-1, MODBUS-2 or MODBUS-3, then press configuration.
- 5. Press F4 to select options and set the MODBUS connection as follows:

COM Baud: 19200 Baud

COM Data Size: 8
COM Parity Even
COM Stop Bits: 1

- 6. Press to set configuration, then to save changes.
- 7. Press to return to the Home screen.

#### **MODBUS Connection**

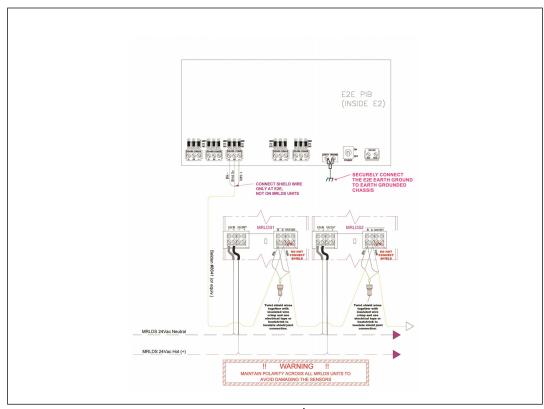


Figure 1 - E2 Device and COMM Setup

## Adding the MRLDS-450 Application in E2

- 1. Press then 7, 7, and 2 to enter Connected I/O Boards and Controllers.
- 2. Press F2 to move to the C3: ECT tab. Highlight the MRLDS-450 application and enter the desired number of devices under Quantity up to a maximum of 15.

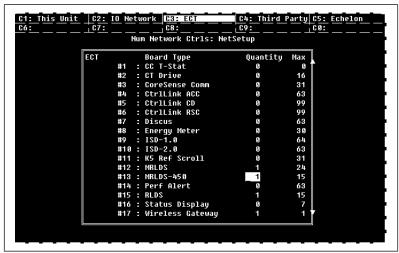


Figure 2 - ECT Tab

- 3. Press to save the changes.
- 4. Press to return to the Home screen.

## Commissioning the MRLDS-450

- 1. Press then 7, 7, and 1 to enter the Network Summary screen.
- 2. Highlight the MRLDS-450 to be commissioned and press

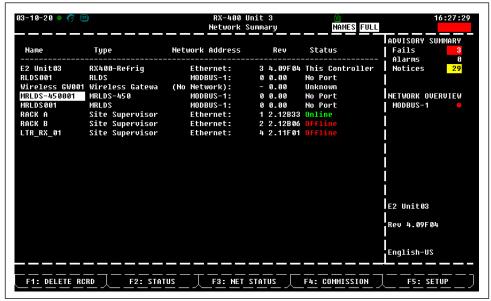


Figure 3 - Network Summary Screen

3. If a box with **Select Network** appears on the screen, select the MODBUS number where you configured the device – either **MODBUS-1**, **MODBUS-2**, or **MODBUS-3** and press

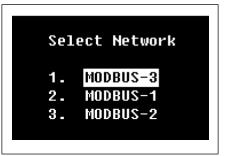


Figure 4 - Select MODBUS output

4. Select the address for the device and press

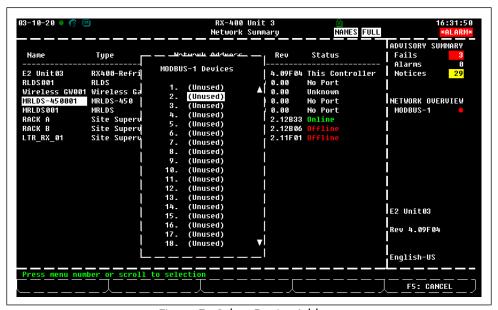


Figure 5 - Select Device Address

Note: The MODBUS address must be the same as the address assigned on the device.

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5. A window will appear. Press to continue.

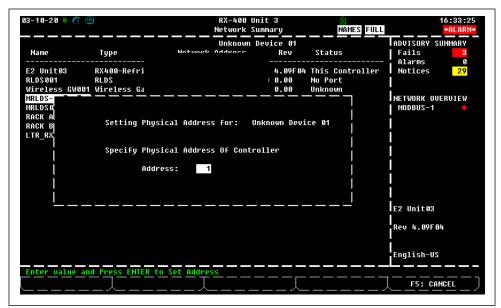


Figure 6 - Set the Physical Address for the MRLDS-450

- 6. Press to save the assigned address.
- 7. Press to return to the Home screen and press then 7, 7, and 1 to enter the Network Summary screen again.
- 8. After a few seconds, the MRLDS-450 should appear **Online**.

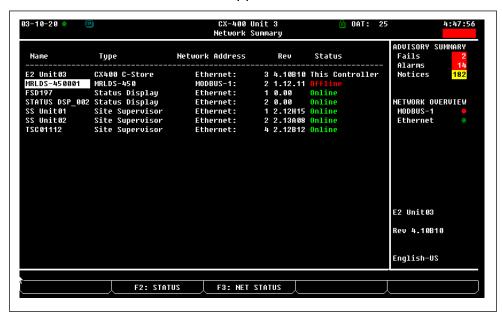


Figure 7 - MRLDS-450 Network Summary Screen Online Status

## Viewing the Status

1. Press Menu then 5, 4, 0 and 0 (this is equivalent to pressing Menu , 5, 4 0 0) or use the cursor to navigate to MRLDS-450 and press

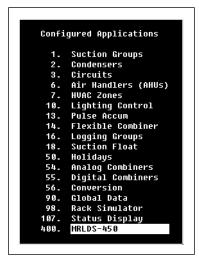


Figure 8 - Configured Applications

2. View the status of the detector on the MRLDS-450 Summary screen and press for to go to **Setup**.

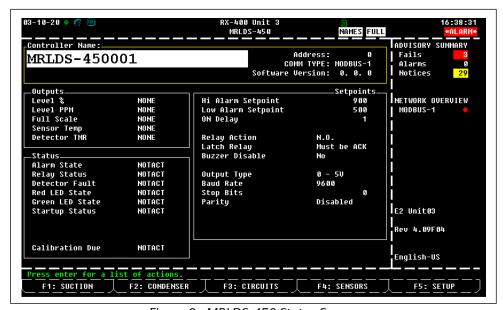


Figure 9 - MRLDS-450 Status Screen

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