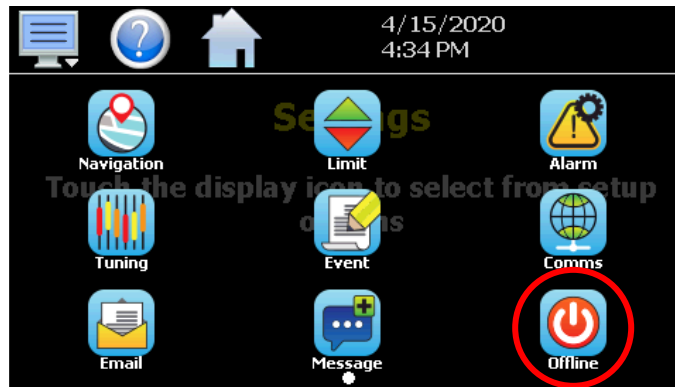## Hardware Setup

1. From the runtime application, press the "Home" icon to make sure you are on the main view.
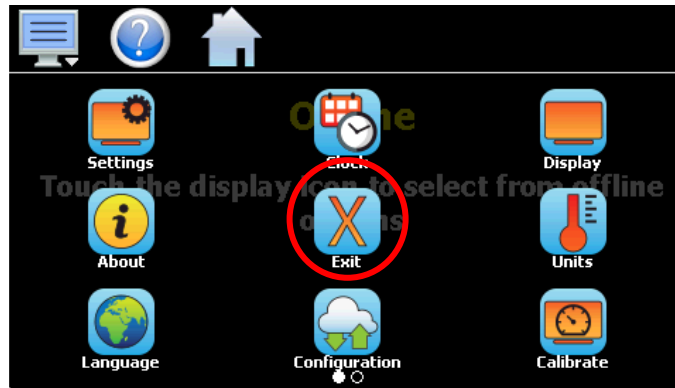2. Press the monitor icon in the top left corner and press the Settings icon.

3. From Settings, press the monitor icon in the top left corner and press the Offline icon.
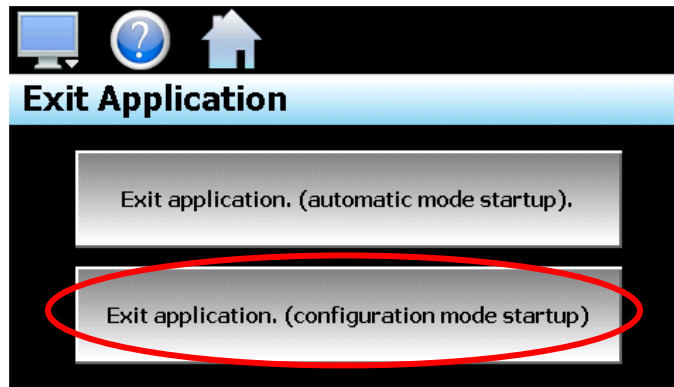

4. Press "Yes" at the prompt to go offline.

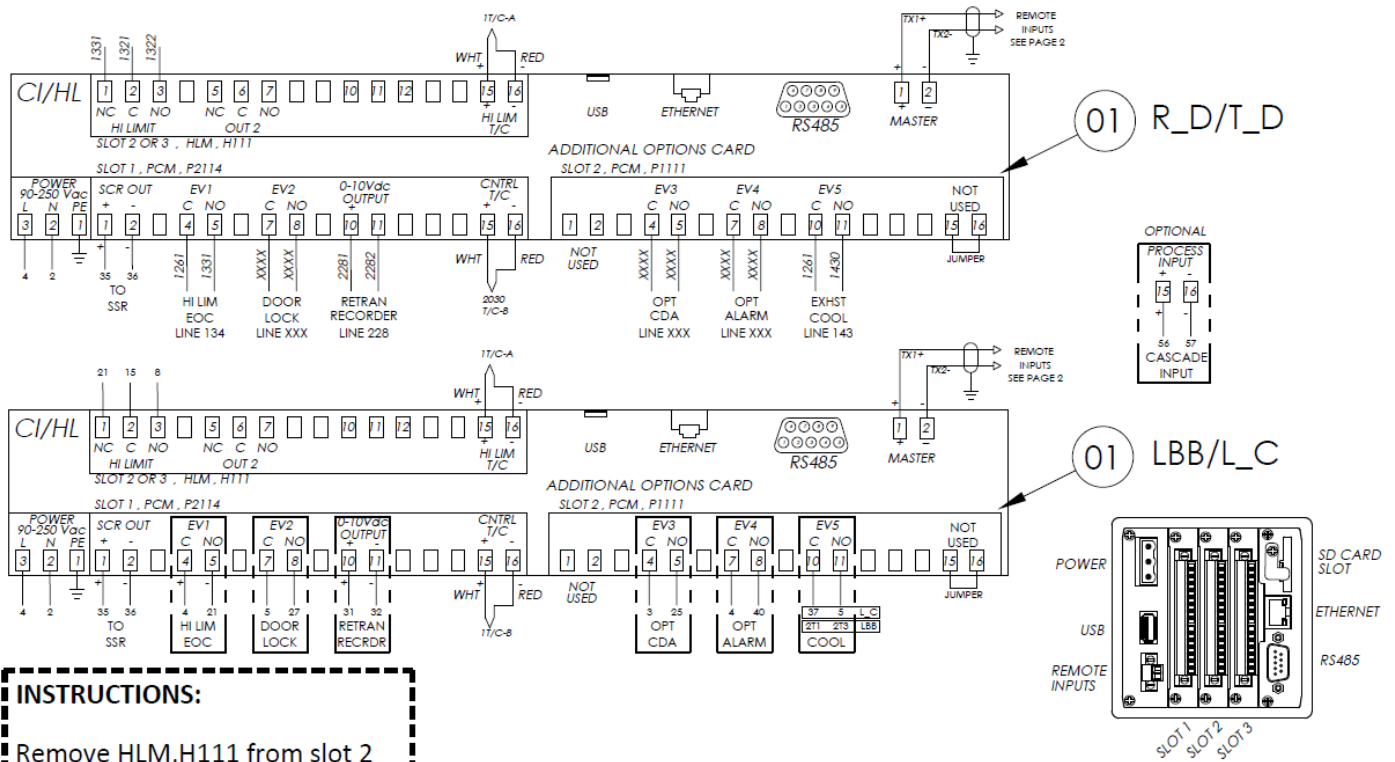5. Press the monitor icon in the top left corner and press the Exit icon.

6. On the Exit Application screen, press the "Exit Application (configuration mode startup)" button.
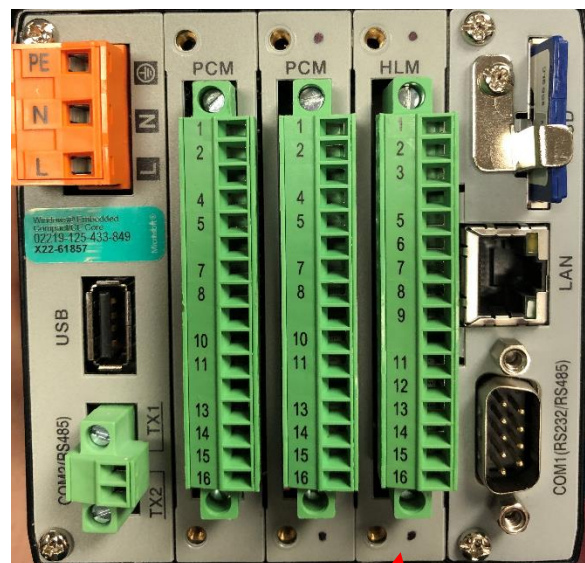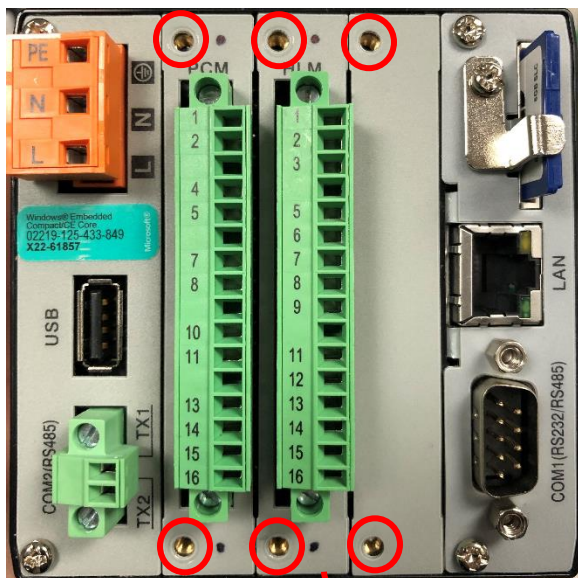

7. Press "Yes" at the prompt to exit the application.
8. Once the runtime application quits and the desktop is shown (black screen with the words "System Startup Please Wait…"), turn off power to the MCT4.
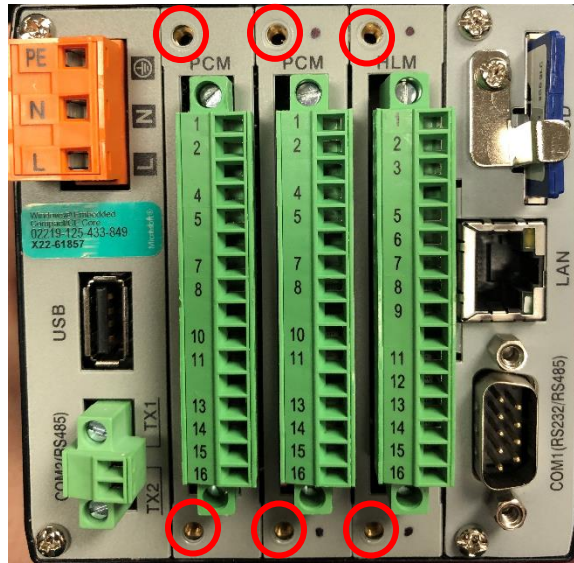
9. Perform the following hardware changes.

INSTRUCTIONS:

Remove HLM,H111 from slot 2 and install it in slot3.

Install additional options card, item 01 (9-403096) in slot 2.

a. Disconnect the green connector from each card by loosening the two hold-down screws on each card. Keep the connectors with the associated card. The terminal assignment is different between a PCM card and a HLM card.

b. Remove the card hold-down screws from the two existing cards and the filler plate.

c. Move the HLM card currently in slot 2 to the right into slot 3.
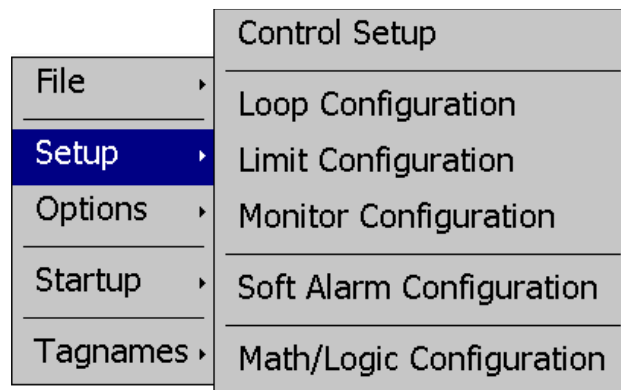
d. Install the new card into slot 2.

e. Install all the card hold-down screws.
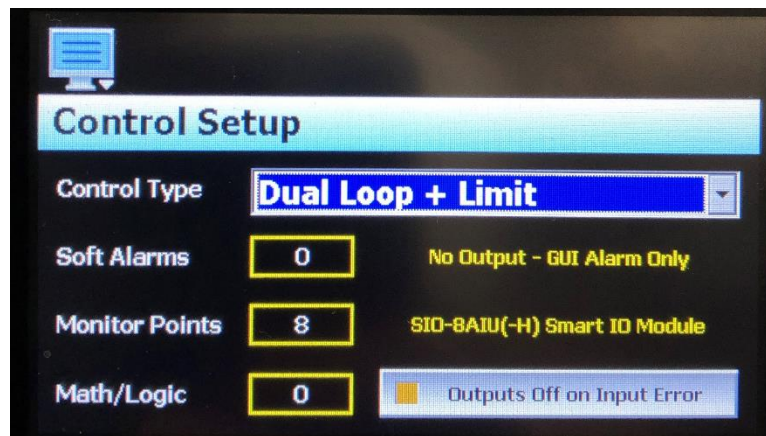

f. **Refer to the provided electrical schematic and rewire the terminals on the two PCM cards in slot 1 and slot 2.**

g. Once the slot 1 and slot 2 card connectors are properly wired, install the green connectors, and tighten the connector hold-down screws.

h. Power on the MCT4.

i. Once the MCT4 finishes its boot sequence, the Configurator application will be automatically started.

10. From MCT4 Configuration, press the "Monitor" icon in the top left and select Setup > Control Setup.

11. Set the Control Type to "Dual Loop + Limit". Leave Soft Alarms, Monitor Points, and Math/Logic settings as they were unless otherwise advised.

12. From MCT4 Configuration, press the "Monitor" icon in the top left and select File > Exit.
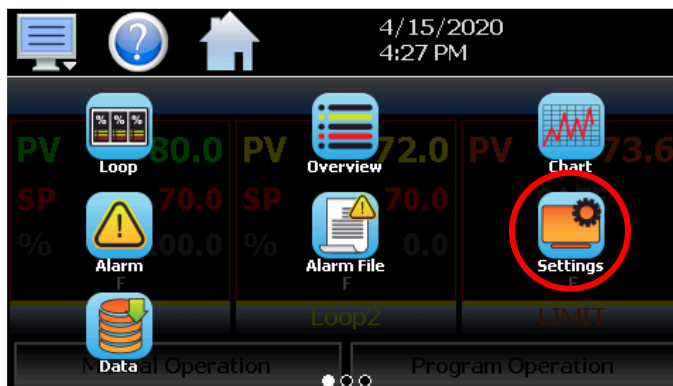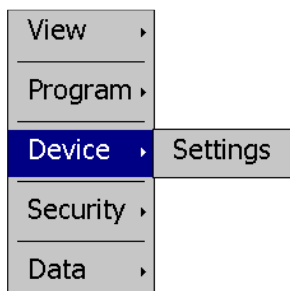13. Select "Yes" when prompted to save and exit.
14. Once the configuration application quits and the desktop is shown (black screen with the words "System Startup Please Wait…"), cycle power to the MCT4.
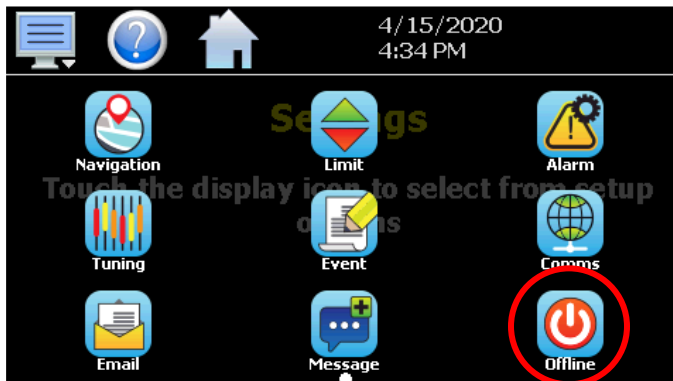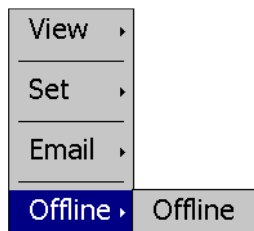
Software Setup

See link below for related instruction video

https://support.itweae.com/support/solutions/articles/42000093814-mct4-export-import-configuration

1. Locate the MCT4 configuration files.
    a. If provided as ZIP file:
        i. Copy the provided ZIP file containing the MCT4 configuration files to a temporary location on a PC. Extract the ZIP file. When "unzipped", there should be a top-level folder with subfolders for each of the configurations provided.
        ii. Copy the extracted subfolder(s) to the root folder of a USB stick. Do not copy the top-level folder of the extracted ZIP package.
    b. If configurations were provided on a USB stick, they may already be ready to load.
2. Each subfolder for a configuration should contain a file with the same name as the folder.
3. Insert the USB stick into the USB port, or cable connected to the USB port, of the MCT4.
4. From the runtime application, press the "Home" icon to make sure you are on the main view.
5. Navigate to Settings.
    a. Text-based menus:
        Press the monitor icon in the top left corner and select Device and then Settings.
    b. Icon-based menus:
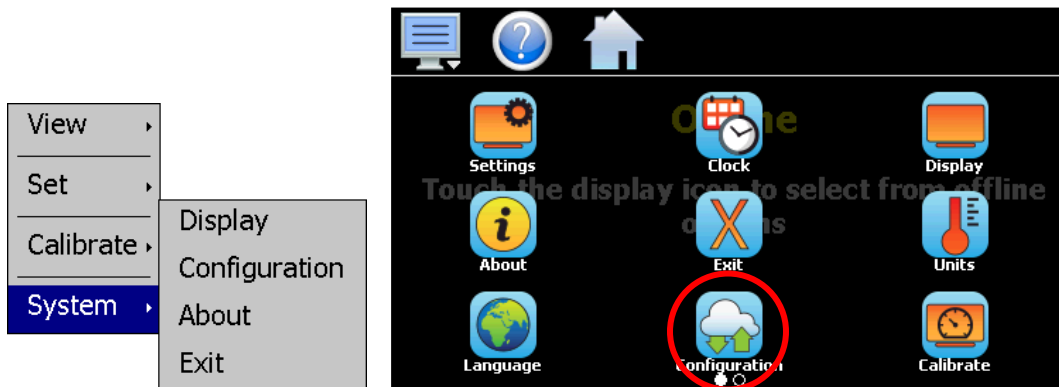   Press the monitor icon in the top left corner and press the Settings icon.

6. Navigate to the Offline settings.
    a. Text-based menus:
        From Settings, press the monitor icon in the top left corner and select Offline and then Offline.
    b. Icon-based menus:
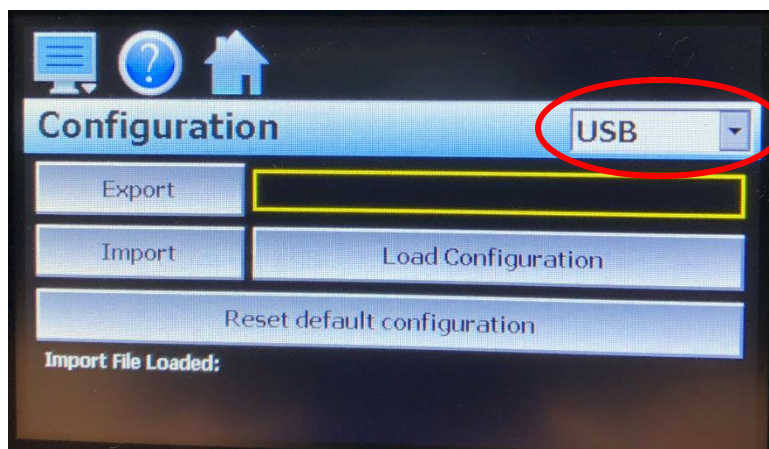   From Settings, press the monitor icon in the top left corner and press the Offline icon.

7. Press "Yes" at the prompt to go offline.

8. Open the Configuration page.
   a. Text-based menus:
      From Offline, press the monitor icon in the top left corner and select System and then Configuration.
   b. Icon-based menus:
      From Offline, press the monitor icon in the top left corner and press the Configuration icon.

9. Select "Yes" when prompted to enter offline mode.
10. Ensure "USB" is selected in the drop-down selector in the top right corner of the Configuration screen.
11. Press the "Load Configuration" button.

12. Select the configuration for the ITW EAE – Despatch oven serial number. There may be a configuration for degrees Fahrenheit and degrees Celsius. Select the configuration for the desired temperature unit.
    a. The configurations will be named in a format MCTA_{name}_mm-dd-yyyy-HH-mm-ss.
    b. The {name} portion will represent the identifier given by ITW EAE – Despatch.
    c. The portions before and after {name} are created by the MCT4 when the configuration was created.
13. Press the "Import" button to load the selected configuration. Refer to section **10.7 Configuration** of the Future Design Controls user manual for the MCT4 for additional information.
14. If the configuration file fails to load, most likely, the hardware configuration expected by the software configuration do not match. Double check the hardware configuration. If problems persist, contact ITW EAE – Despatch for assistance.
15. After successful load of the configuration, power cycle the MCT4 when prompted.