FIELD UPDATING THE AXP3 or PS600T HMI & PLC
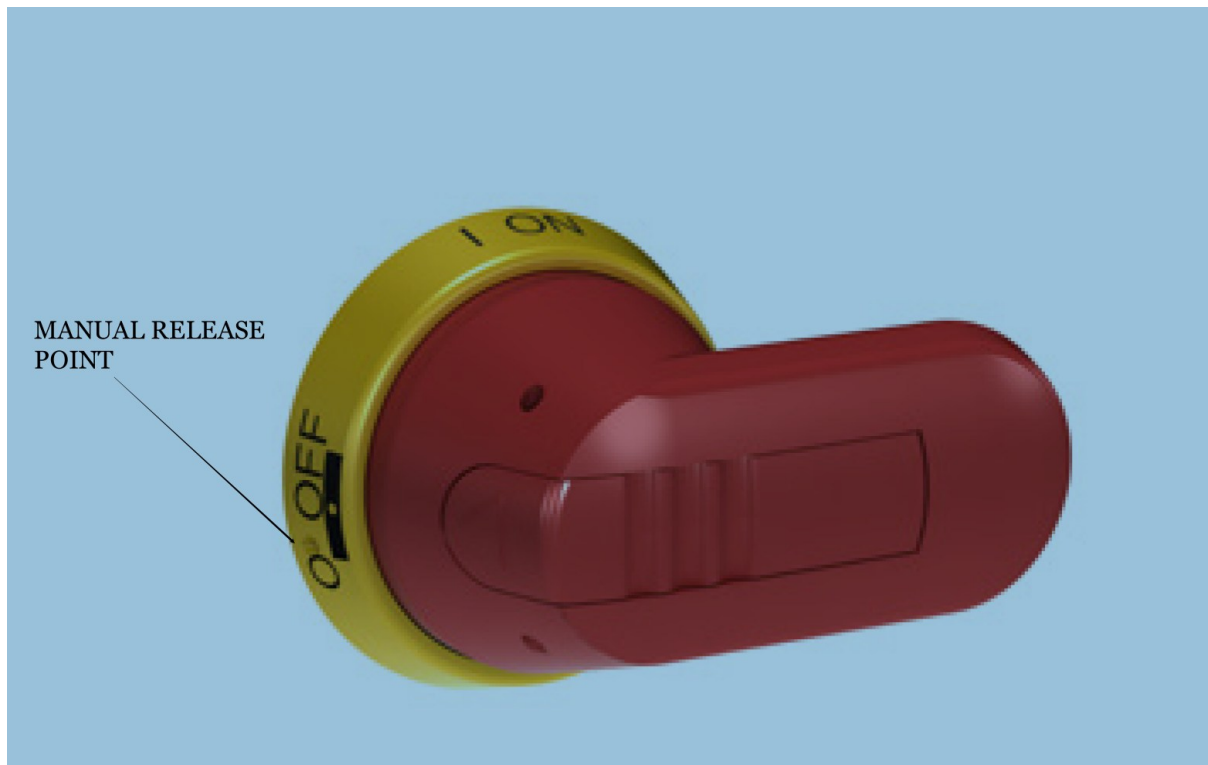
TOOLS

A.   An installed copy of FPGTLoader2 (Preinstalled on supplied equipment)

B.   An installed copy of xAscender Studio (Preinstalled on supplied equipment)

C.   USB Cable A to Mini B (Supplied in the AXP3 Tool Kit)

D.   Ethernet cable (Preinstalled on the AXP3)

E.   Copy of the new HMI code (as needed)

F.   Copy of the new PLC code (as needed)
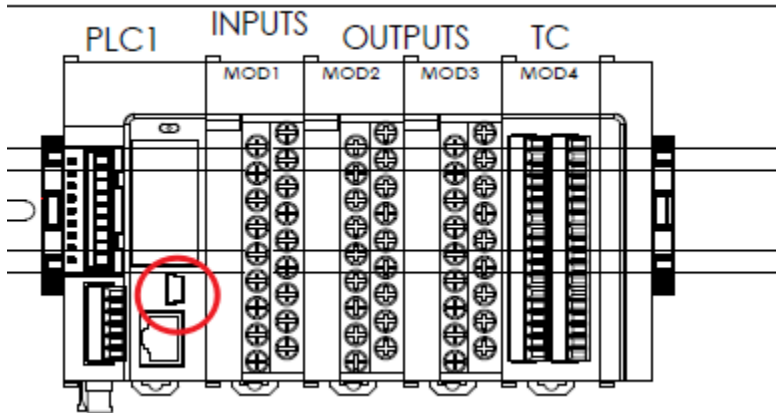
G.   Multimeter

UPDATING THE PLC

1.   Make sure the new PLC code is accessible by the AXP3 PC.

2.   Locate the end of the USB A to Mini B cable. This cable is packed in the Tool Kit.

3.   Leaving the electrical panel turned on carefully open the panel by using the manual release button located on the left side of the main disconnect switch by the word OFF. USE CAUTION AND STAY AWAY FROM THE UPPER RIGHT OF THE OPEN PANEL.

MANUAL RELEASE POINT
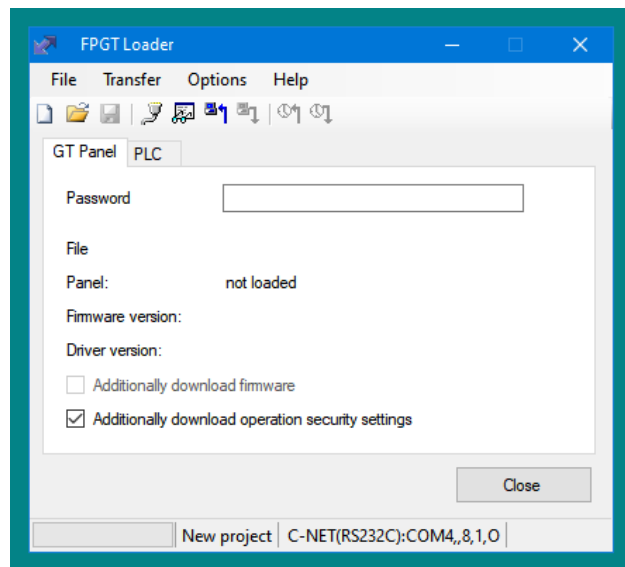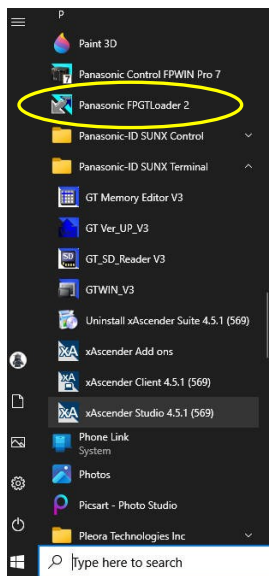
   a.   Loosen the three enclosure clasp that hold the door closed and slide the end of the clasp out of the slots in the door edge.

   b.   Then with one of the Multimeter leads push in the button on the disconnect handle until the door is free to open.
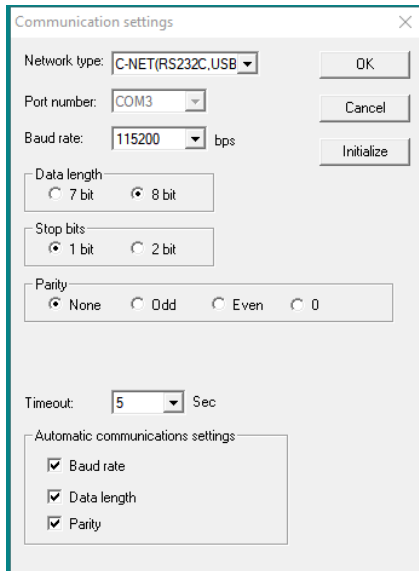
4. Locate the PLC in the lower left corner of the panel and connect the MINI-B end of the USB Cable to the connector shown in the red circle below.
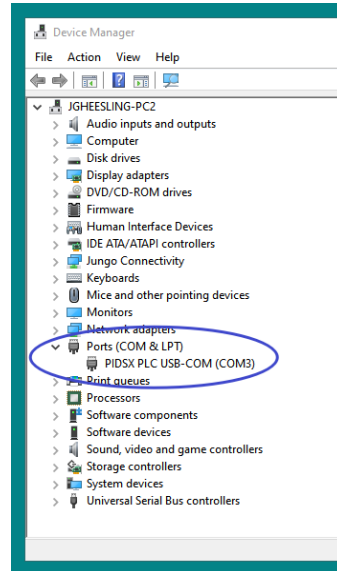

5. Connect the A end of the USB Cable to an open USB port on the PC.
6. Locate and run the FPGTLoader2 program from the Windows Start icon. In the listing below it shows up as Panasonic FPGTLoader2.

7. Using the Transfer tab select Communication Setting make sure the settings are as shown below. The shown Port Number will need to match the Com Port assigned by Windows.
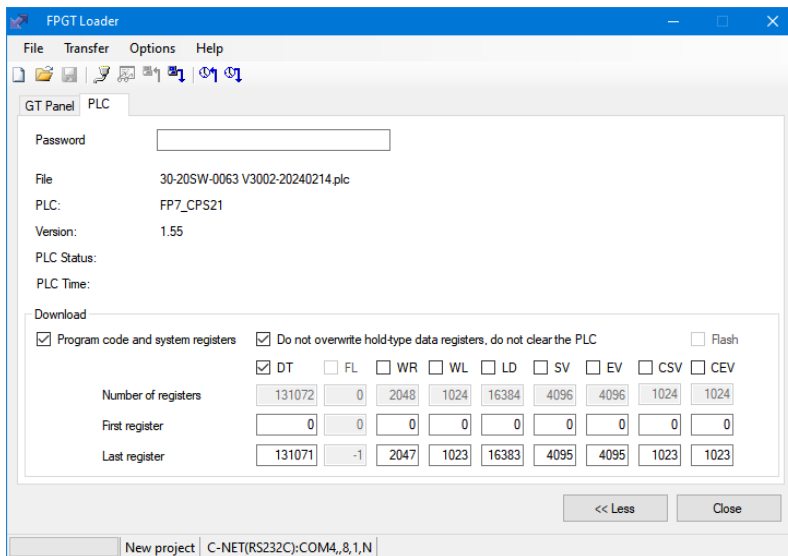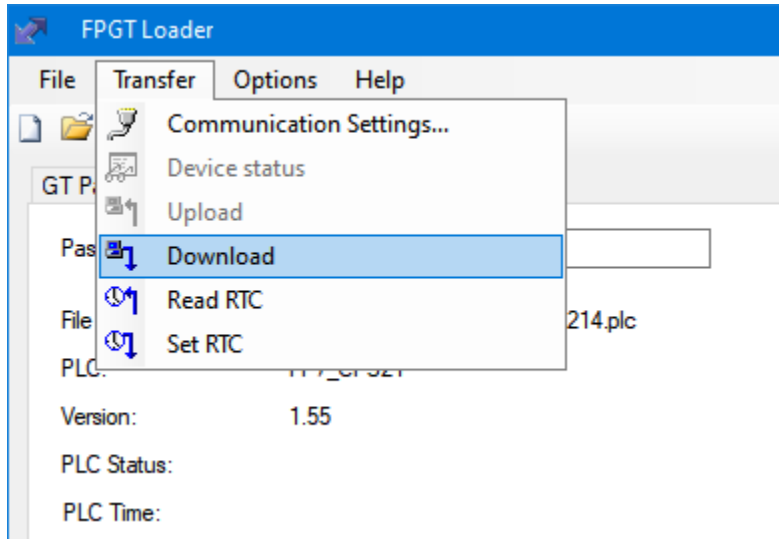

FPGT Loader Com Settings   Windows Device Manager

8. Select the PLC tab and then using the File tab select Open or use the Folder Icon .
9. In the Open window navigate to the folder that has the new PLC code ???.plc.
10. Double click on the new plc code.
11. The file name and PLC type should now on the main screen.
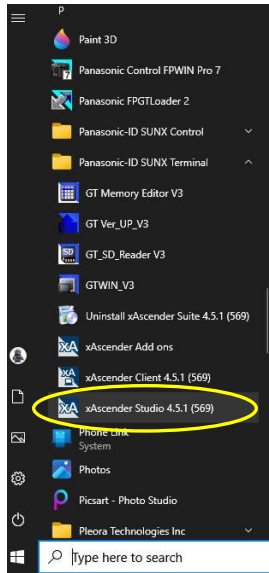
12. Using the Transfer tab select Download.

13. When the process is completed exit out of the FPGT Loader program.
14. Disconnect the USB cable from both the PC and the PLC and put back in the tool kit.
15. Close the electrical panel door. With the handle in the vertical position it will slip into and lock in place.
16. Secure the panel door with the three clasp loosened Step 3.
17. If required by the update to the PLC continue on to update the HMI.

UPDATING THE HMI

18. Make sure the new HMI code folder is accessible by the AXP3 PC.
19. Locate the end of the HMI Ethernet cable and connect to an open ethernet port on the AXP3 PC. If there is not an open port, then temporarily remove the cable in the motherboard port and connect the HMI cable there.
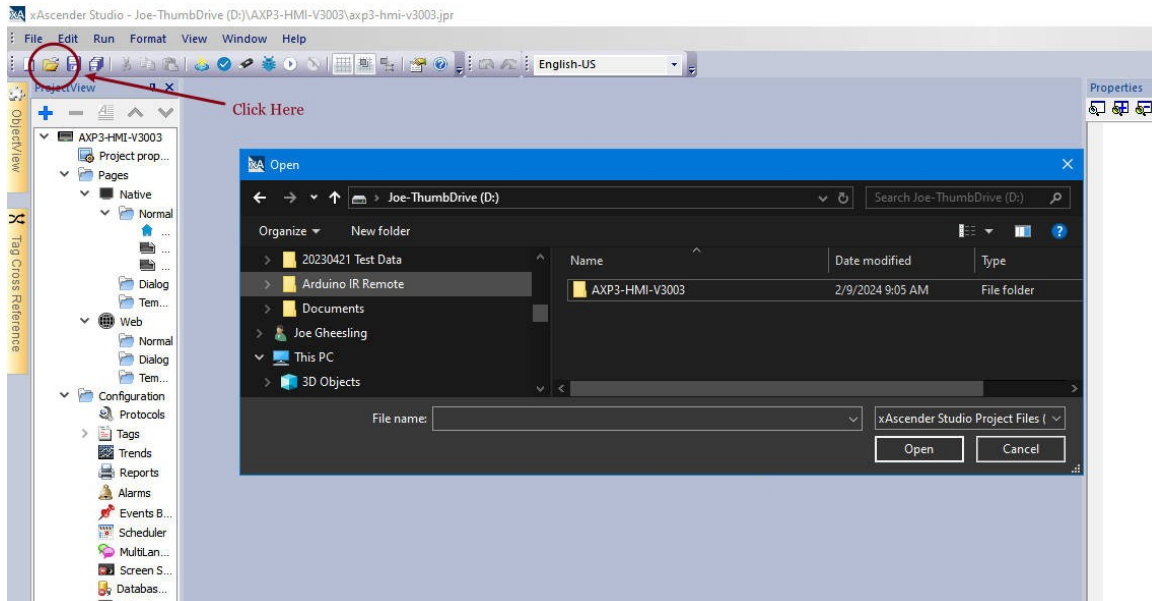
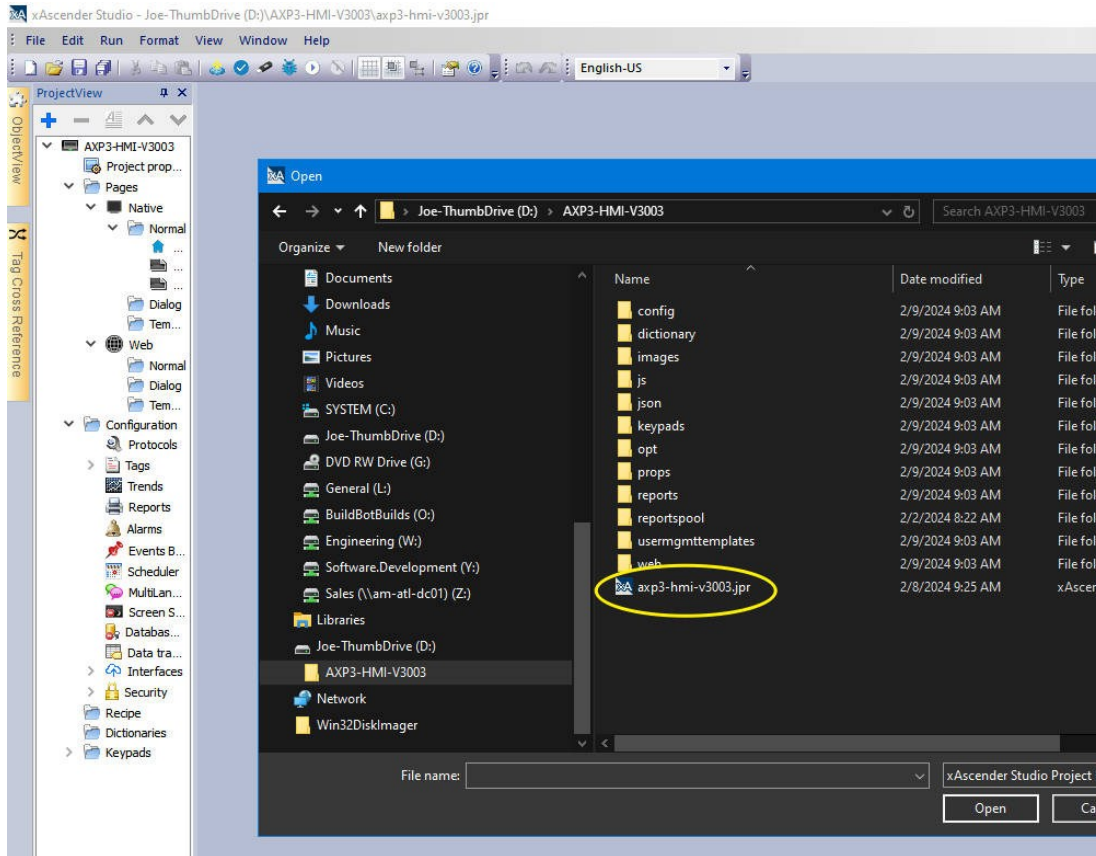20. Locate and run the xAscender Studio program from the Windows Start icon.

21. Click on the file icon shown in the circle.
In the Open window navigate to and open the folder of the new HMI code.
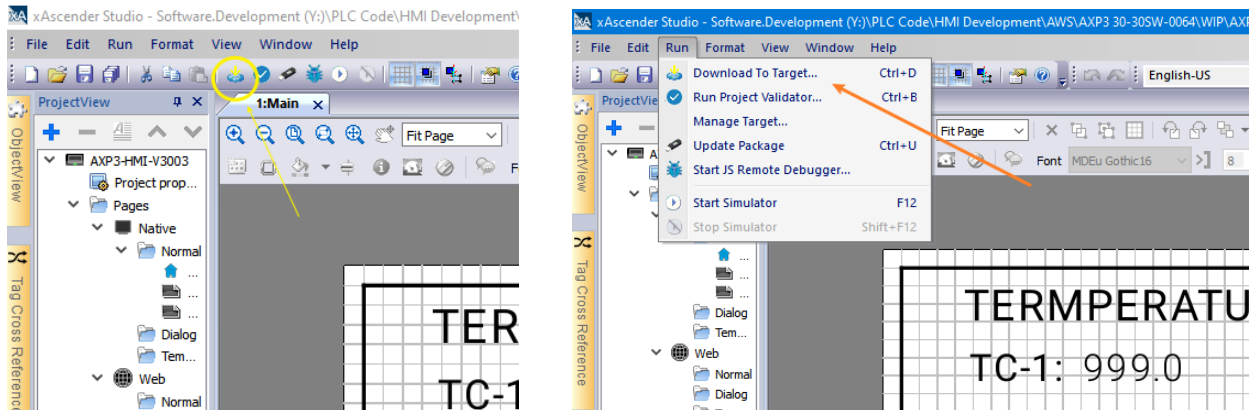Note that over time the V3003 part of the folder name will change to reflect the latest version number.
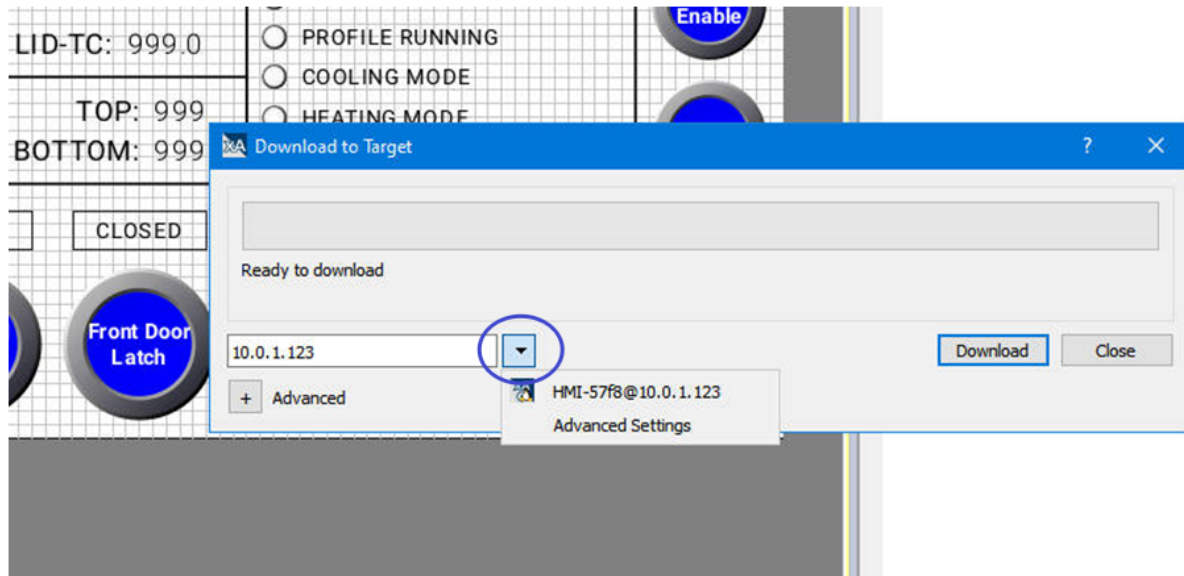
22. Then double click on the *.jpr file to open the project.

23. With the project open click the circled icon or open the RUN tab and select 'Download To Target' to start the download process.

24. On the Download to Target window click on the triangle in the blue circle to display the HMI address. Then select the HMI-??? shown to load address. Next click on the Download box to start the process. When prompted for a password enter Akr0metr!x.

25. The HMI will show the status of the download and then automatically start running the new program.
26. When the download is complete click on the Close box and exit xAscender Studio.
27. Disconnect the HMI Ethernet cable and if a cable was removed then reconnect the cable.