Configuration Instructions
TEC2-LOAD-1001 Rev. 1
September 2015

Loading Configuration from TEC2000 to TEC2 using DCMLink

BETTIS™

EMERSON™

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Section 1: Configuration Instructions Using DCMLink Software and B&B RS485 Probe

Figure 1 DCMLink Icon

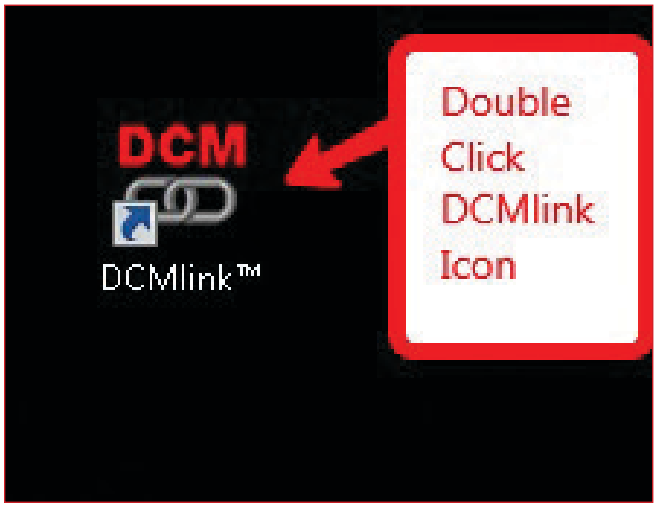


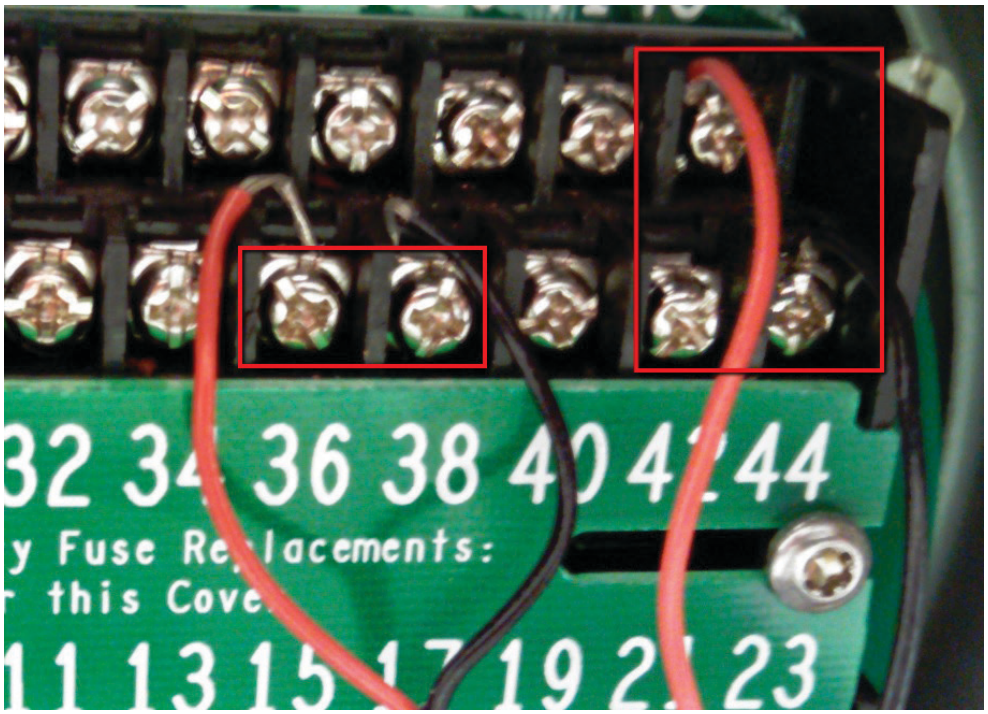
Figure 2 B&B RS485 USB Probe

1. Connect the USB RS485 probe to the computer.
2. Connect the USB RS485 probe to the correct STC pins. See Table 1.

Table 1.

Modbus Card Installed	No Modbus Card Installed
Pin 43(+)	Pin 36(+)
Pin 44(-)	Pin 38(-)
9600 BAUD	115200 BAUD

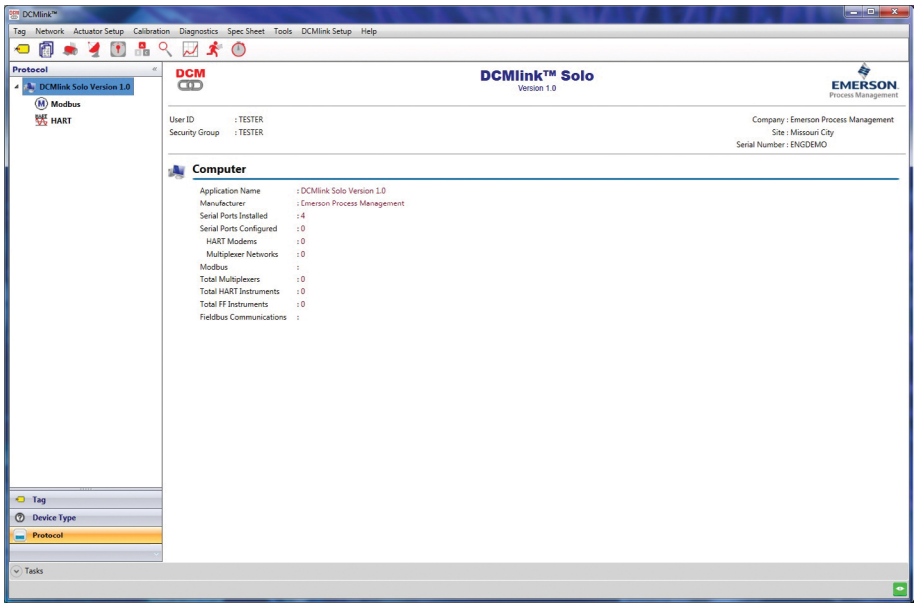
Figure 3 STC Connections



3. Ensure that the Actuator and the computer are powered up.
4. Using the mouse, double click on the DCMLink Icon. See Figure 1.

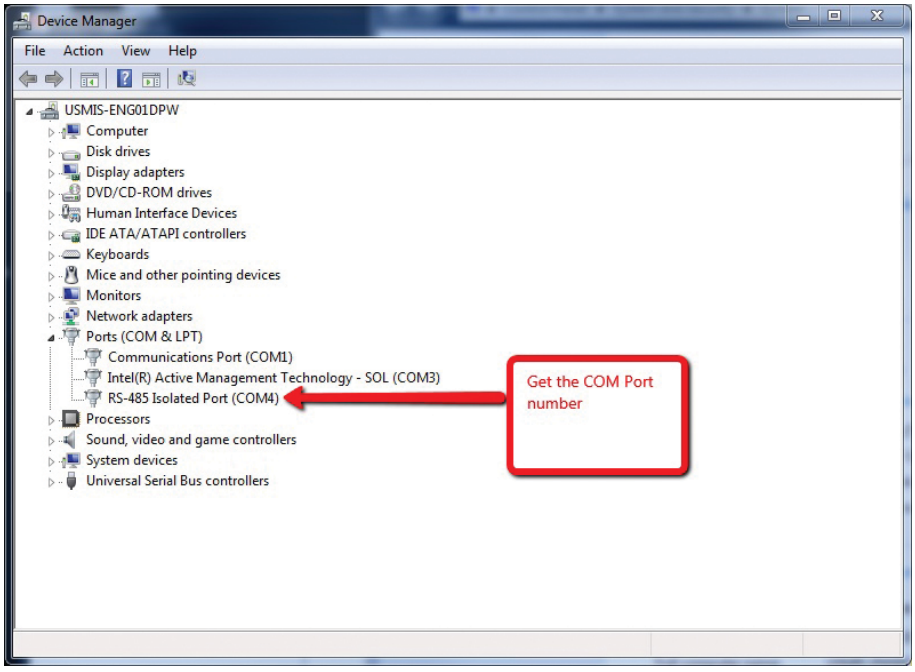
5. DCMLink should start running.

Figure 4



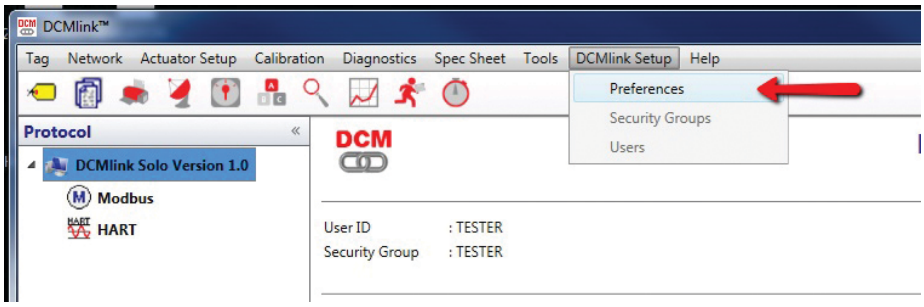
6. Open up Windows Device Manger and get the COM port number for the B&B RS485 probe.

Figure 5



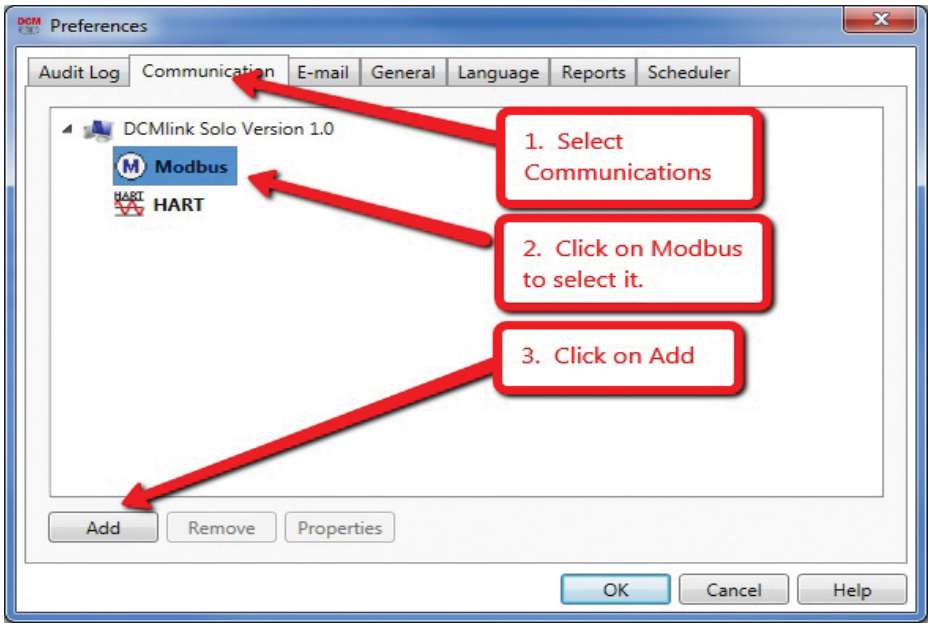
7. In DCMLink, click on Preferences under DCMlink Setup.

Figure 6



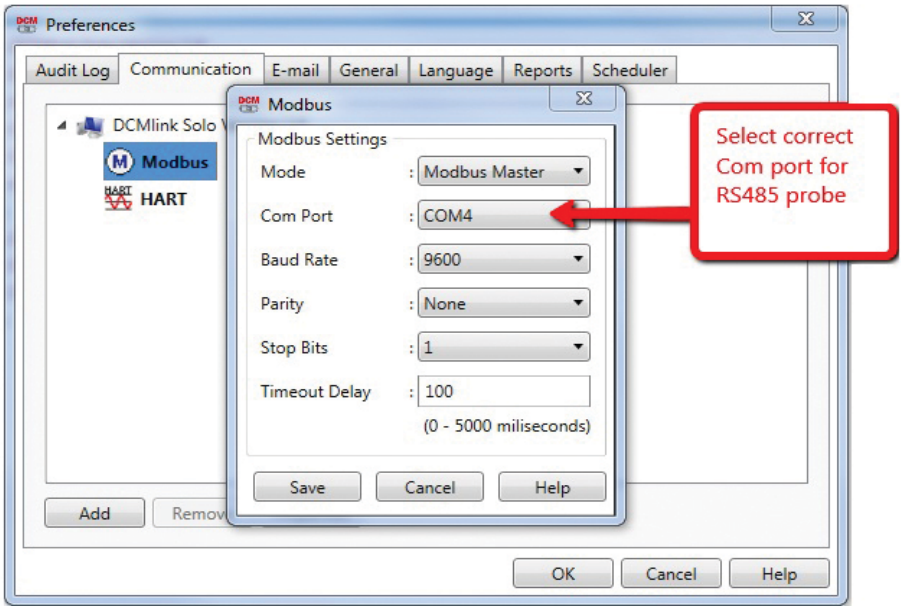
8. In the Preferences window, Click on the Communications Tab. Then select Modbus. Then click on Add.

Figure 7



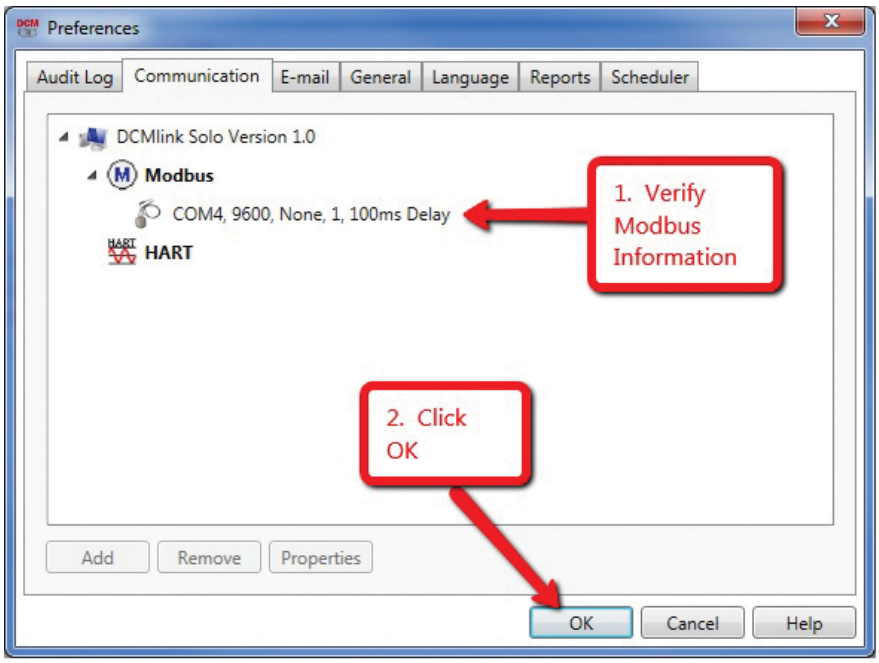
9. In the Modbus Configuration screen, select “Modbus Master”, select the Com port for the RS485 probe, 9600 (see Table 1 for correct BAUD rates), None, 1 and 100 millisecond Timeout Delay. Then click save.

Figure 8



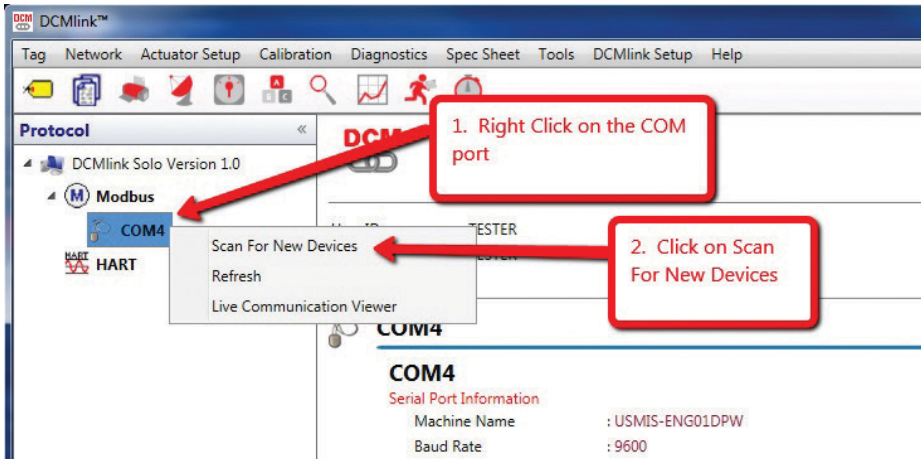
10. You should now see configuration information under the Modbus channel. Click OK.

Figure 9



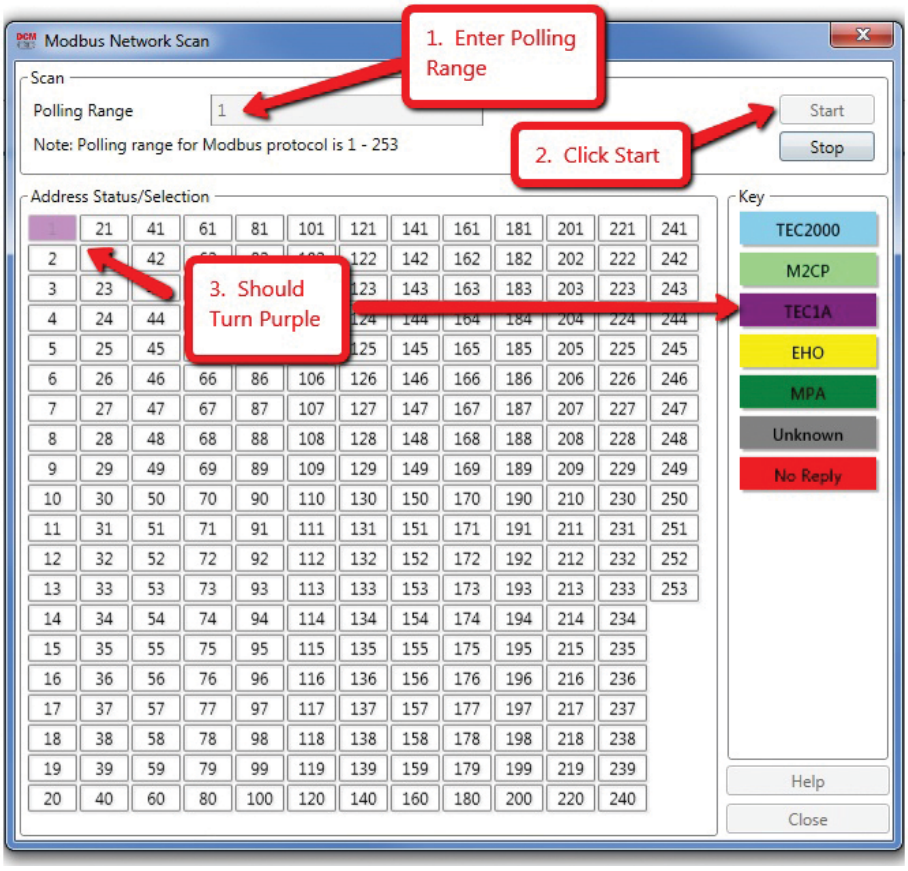
11. In the main screen, you should now see the RS485 port under Modbus. Right click on the COM port and select “Scan For New Devices”.

Figure 10



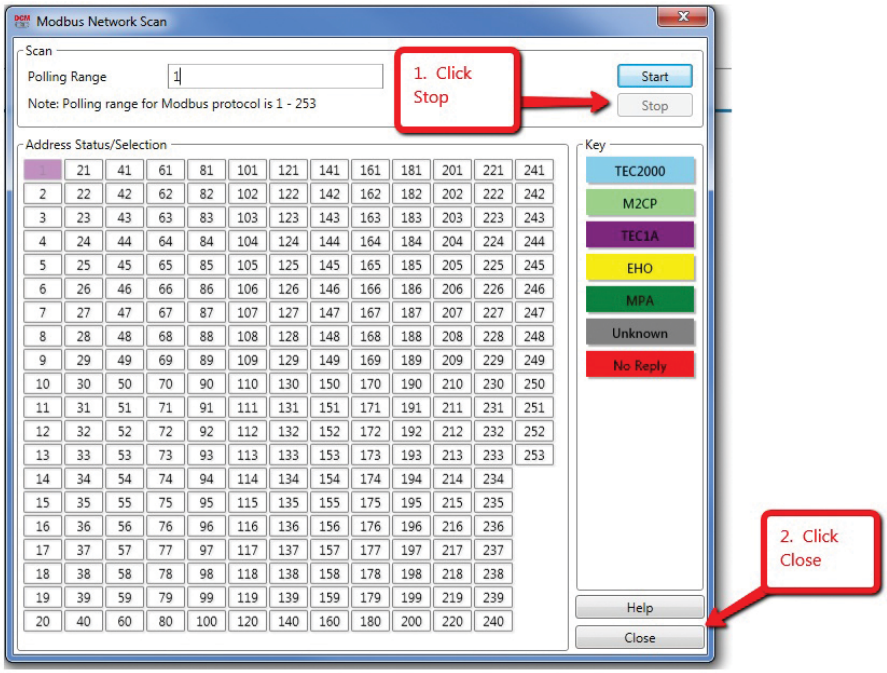
12. In the Modbus Network Scan window, scan for the TEC1A actuators.

Figure 11



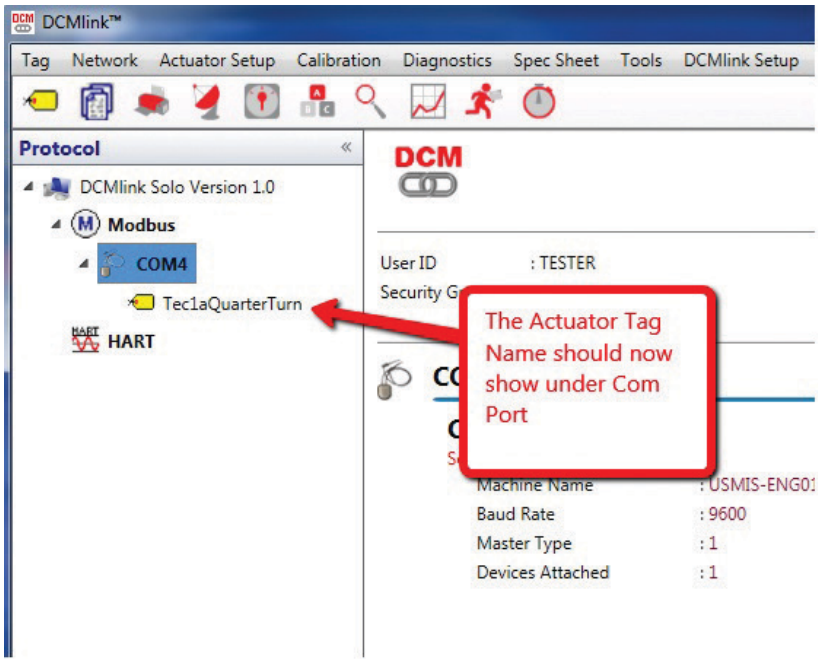
13. Click Stop, and then click Close.

Figure 12



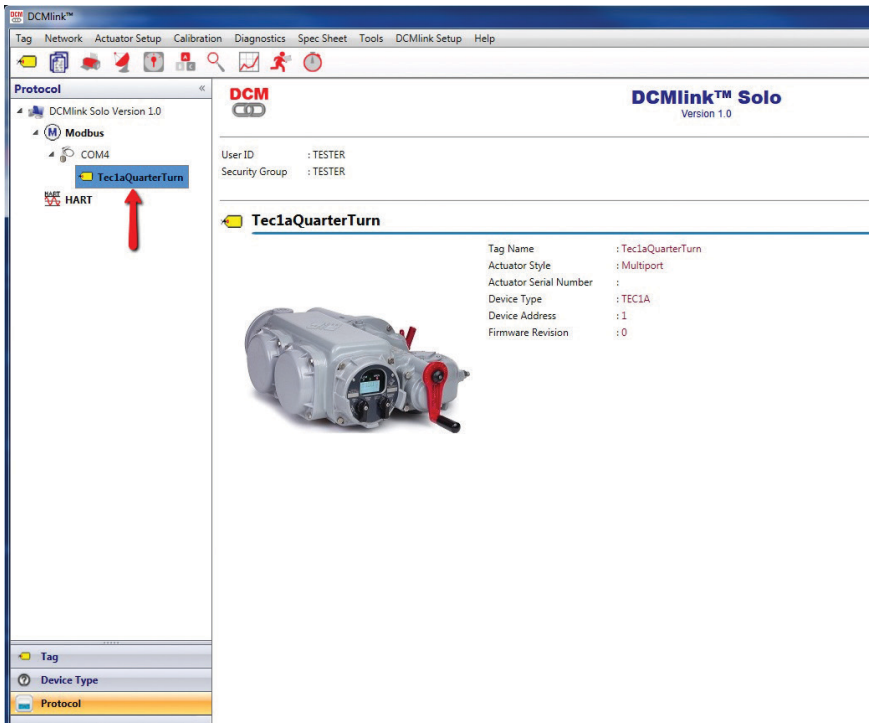
14. In the main screen, the actuator should now show up under the COM port.

Figure 13



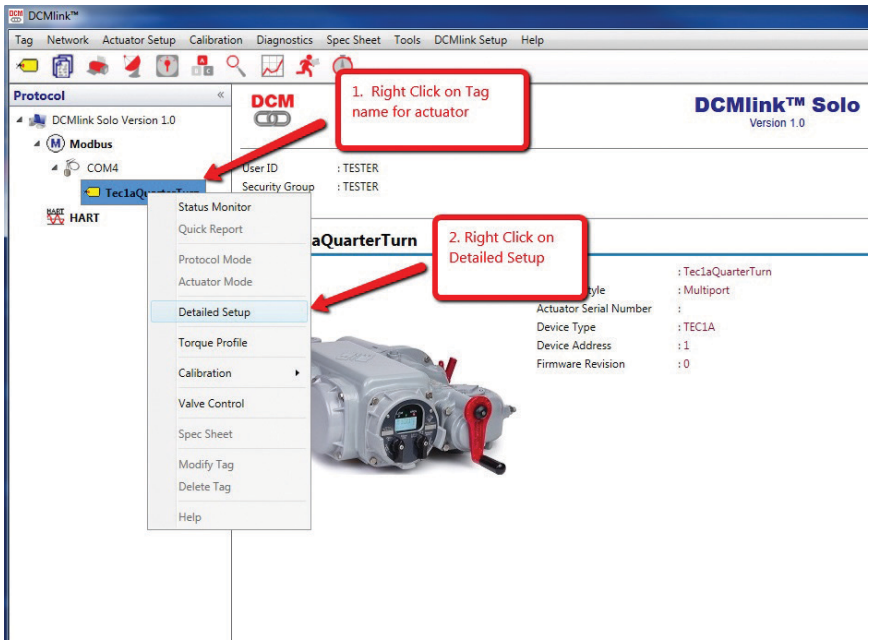
15. Click on the Actuator Tag name and you should now see the actuator information.

Figure 14



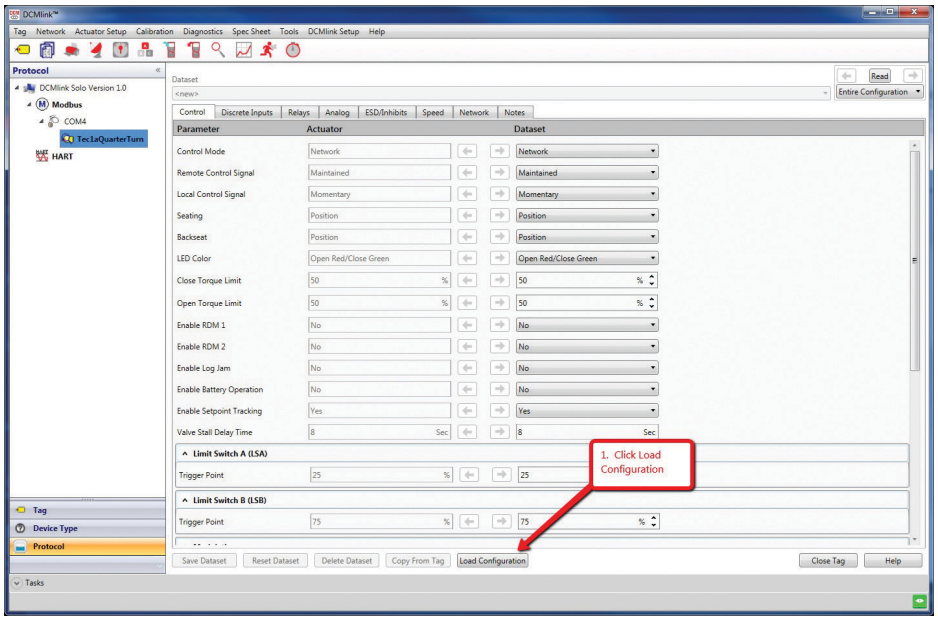
16. Right click on the Actuator Tag name and then select Detailed Setup.

Figure 15



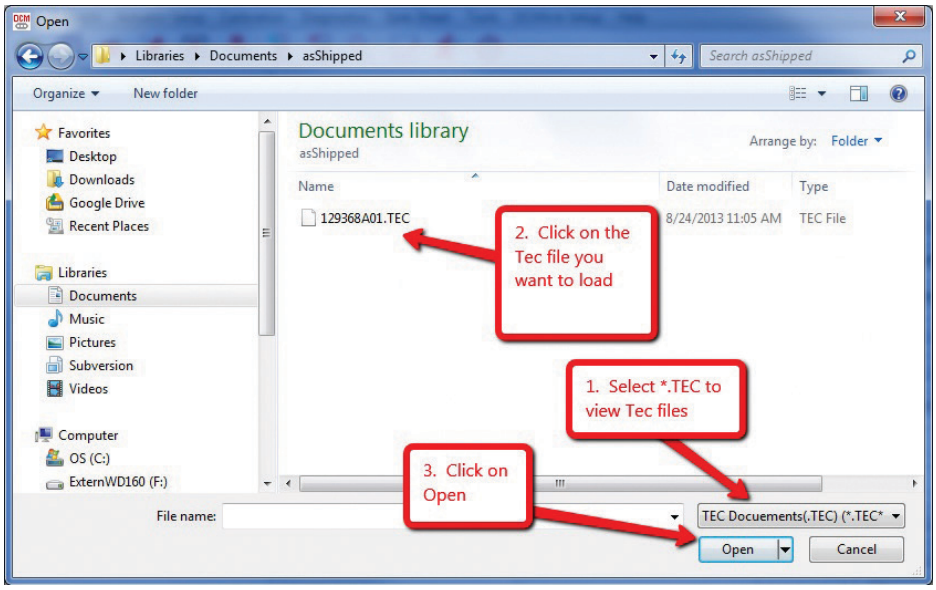
17. In the Detailed Setup Screen, Click on Load Configuration.

Figure 16



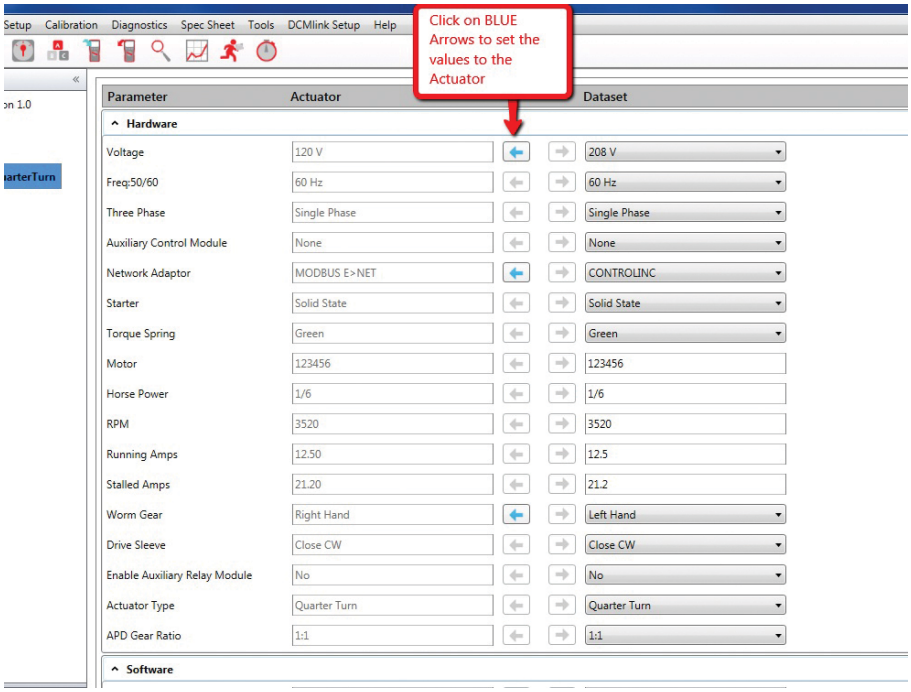
18. In the Open window, select the TEC file that you want to load.

Figure 17



19. DCMLink will open the TEC file and fill in the parameter fields with the information from the file. You will have to go through each Dataset parameter and move it to the Actuator. You can tell which ones are different by the BLUE Arrow. Clicking on the BLUE Arrow moves the value to the actuator.

Figure 18



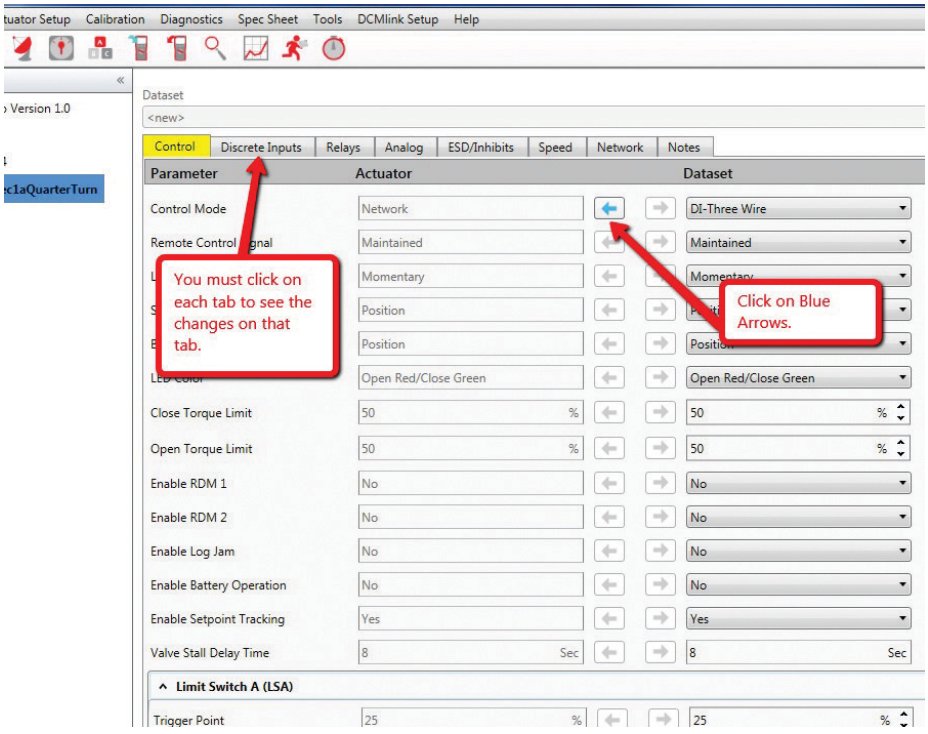
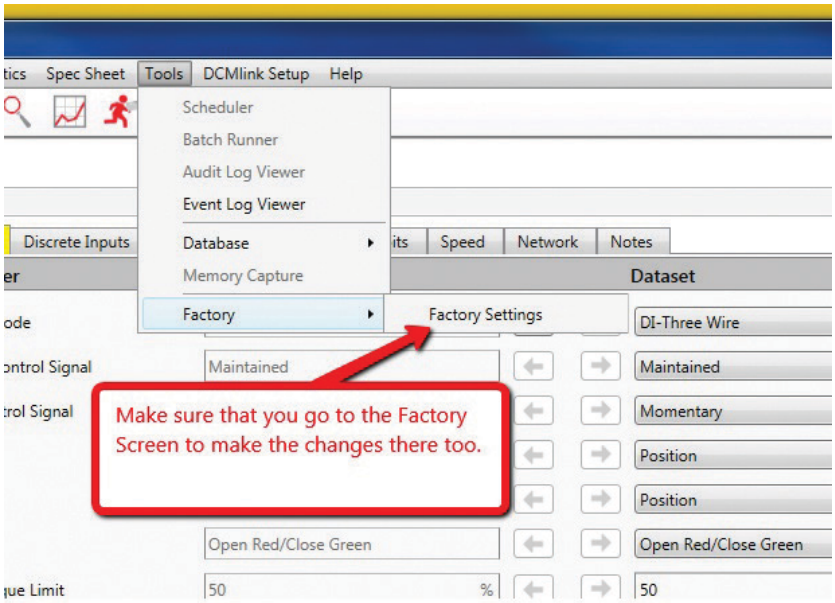


Figure 19

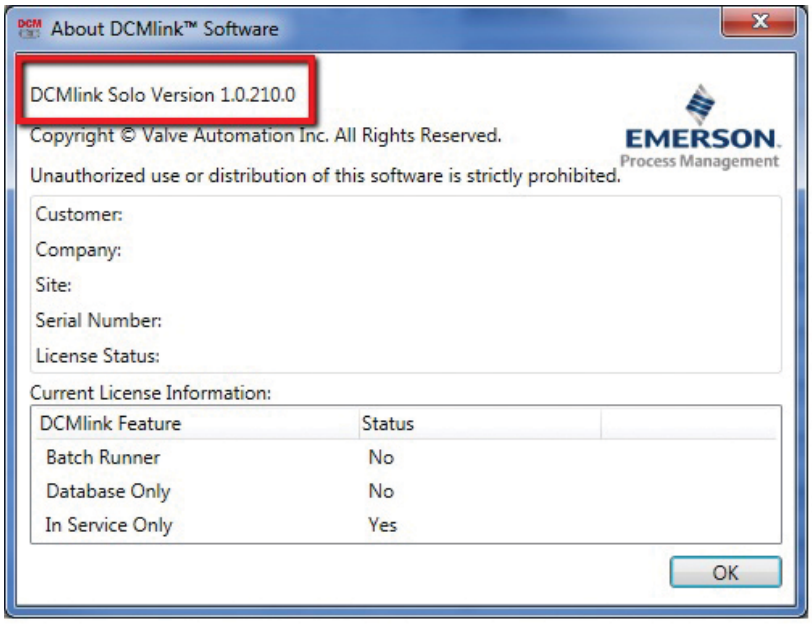


20. When all the changes have been written to the actuator, the TEC file should be transferred to the Actuator's configuration.

NOTE:

This document was written using DCMlink Solo Version 1.0.210.0

Figure 20



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