ARGUS
Total Power Solutions
5700 Sidley Street Burnaby BC V5J 5E5 Canada

Cordex Controller Voltage Calibration

Summary

This procedure describes the process of calibrating Load (V1) and Battery (V2) voltages for use with a Cordex Controller.
In the examples below the Load Voltage (V1) will calibrated by **LCD Touch Screen** **followed by** **Web Interface**.

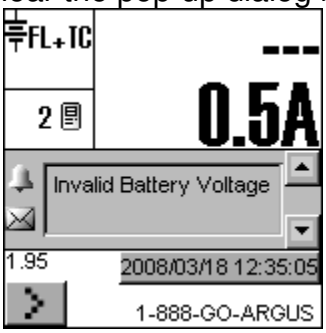
Tools/Information Required

- Voltmeter
- Shorting wire

Note: If power system is equipped with a LVD control (inhibit) switch, please throw it to Override or Inhibit position for the just in case.

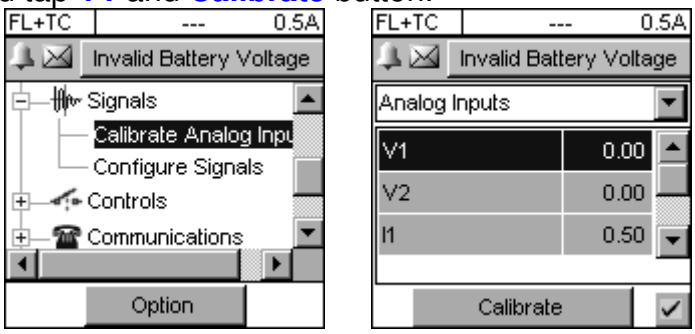
LCD Touch Screen

1. Remove the V1 wire terminations on the controller on the terminal block, tape and secure to prevent shorting.
2. Short the V1 inputs by using a small piece of wire.
3. Login to the controller by tapping on the **Argus logo**. Enter default password as shown below to access Supervisor mode. Tap **X** to clear the pop-up dialog box.

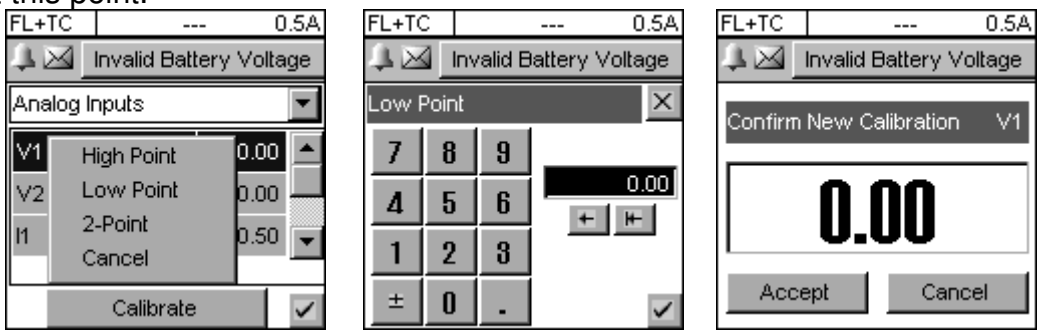


Low Point Calibration:

4. Scroll down and tap on **Signals**. Then tap on **Calibrate Analog Inputs**. Under the **Analog Inputs** category, scroll down and tap **V1** and **Calibrate** button.

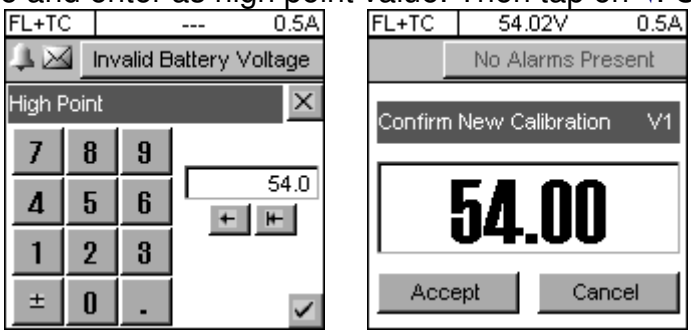


5. Select **Low Point** and enter 0.00 for the low point value then tap on √. Commit **Accept** button. Do not logout at this point.



High Point Calibration:

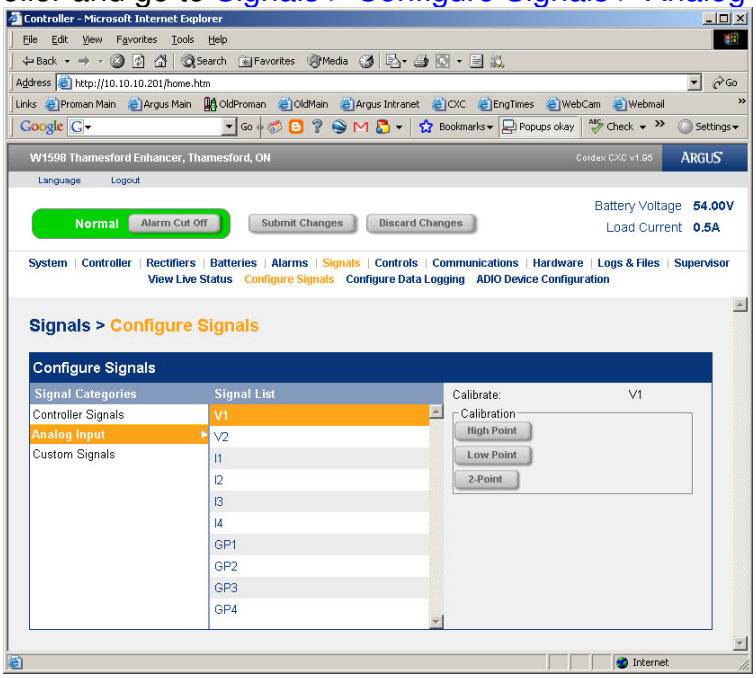
6. Put the V1 wires terminations back.
7. Set voltmeter to DC Voltage range, if meter is auto ranging set it to DC volts, and measure the voltage across V1.
8. Take this measured value and enter as high point value. Then tap on √. Commit **Accept** button.



9. Tap the √ back to the main screen, you are now finished calibrating V1. V2 is the same process to calibrate.

Web Interface

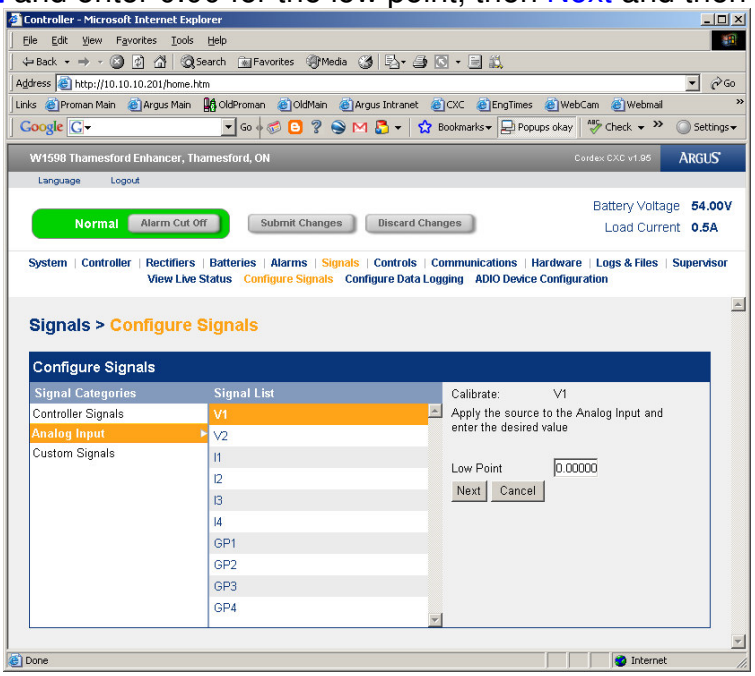
1. Log into the controller and go to Signals > Configure Signals > Analog Input then select V1.



2. Remove the V1 wire terminations on the controller on the terminal block, tape and secure to prevent shorting.
3. Short the V1 inputs by using a small piece of wire.

Low Point Calibration:

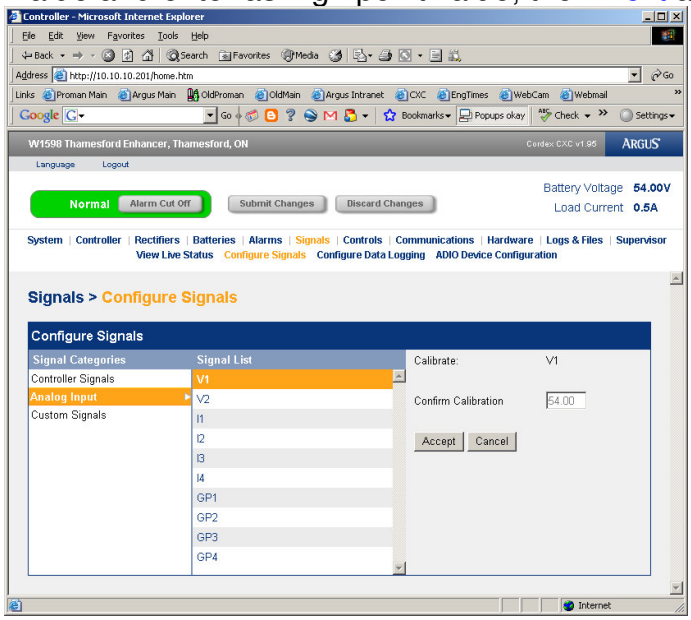
4. Select **Low Point** and enter 0.00 for the low point, then Next and then Accept.



5. Remove the V1 wire terminations on the controller on the terminal block, tape and secure to prevent shorting.

High Point Calibration:

6. Set voltmeter to DC Voltage range, if meter is auto ranging set it to DC volts, and measure the voltage across V1.
7. Take this measured value and enter as high point value, then Next and then Accept.



8. You have now calibrated V1. V2 is the same to process to calibrate.

Thank you for choosing Argus Technologies