

**Techmark, Inc.**  
**SOP 205-3C FCS Inlet Door calibration procedures.**  
**November 2013**

NOTE: FCS potentiometer- 5K only.

1. Verify that the door is working properly. This entails making sure that the actuator and limit switches are adjusted correctly for fully closed and open.
2. Open and close the door twice using the knob on the RLP (relay panel).
3. With the door in the fully closed position, calibration can then begin.
4. Press the up and down arrows at the same time to enter the installer settings.
5. NOR will appear on the screen.
6. Press the down arrow go to the CAL screen.
7. Press the # or the EDIT red button to enter the CAL menu.
8. Go to CAL.8 and press the # or EDIT key to make sure it reads 1 (potentiometer)
9. Go to CAL.9 and press the # or EDIT key.
10. Enter 1 to start the zero position. After a few seconds either a 0 or 3 will appear. 0- calibration successful, 3- calibration unsuccessful.
11. Go to CAL.10 and record the reading:\_\_\_\_\_.
12. (Optional Step)- Open the face of the FCS and find the AIR INLET AN. IN. Remove the terminal strip and measure the VDC for that input. \_\_\_\_\_. Replace the terminal strip when completed.
13. Open the door with the knob on the relay panel. Wait until the door fully opens.
14. Go to CAL.9 and press the # or EDIT key.
15. Enter 2 to start the span position. After a few seconds either a 0 or 3 will appear. 0- calibration successful, 3- calibration unsuccessful.
16. Go to CAL.11 and record the reading:\_\_\_\_\_.
17. Optional Step)- Open the face of the FCS and find the AIR INLET An.In. Remove the terminal strip and measure the VDC for that input.\_\_\_\_\_. Replace the terminal strip when completed. (Max 5 VDC)
18. Close the door with the knob on the relay panel. Wait until the door fully closes.
19. Go to CAL.10 and adjust the number you recorded down 2 to 3 points.
20. Exit the CAL menu by pressing the up and down arrows at the same time.
21. INS will appear, and scroll to NOR and then hit the # or EDIT key to exit.
22. Press the Air Inlet button and make sure the measurement reads 1.  
NOTE: Two values will appear. The first if the control value and the second value is the measured value. Make sure the measured value is 1. If this is not 1 repeat step 19.
23. Once calibration is complete, return the rotary knob to the AUTO position.