

1. With power off remove rear cover to gain access to adjustments. Some controllers have access holes in the cover and will not require removal.
2. Level adjustments are located near the upper right hand corner (when viewing the controller from the rear). There are fine and coarse adjustments for zero and full scale which are labeled on the PC board. These adjustments are approximately 25 turns each and have a detent or click at the end of their travel.
3. Center both fine adjustments (12-1/2 turns from their end of travel). Turn the coarse full scale adjustment fully clockwise. Turn the coarse zero adjustment fully counter clockwise.
4. Locate the input surge quelling adjustment (marked Quell) to the left of the zero and full scale adjustments. This is a 1 turn adjustment. Turn fully counter clockwise. This adjustment should remain in this position unless input signal surges of long duration (which want to be averaged) are encountered.
5. If the controller rear cover has been removed, check the position of the input signal selector jumper near the lower right hand corner of the PC board. The jumper should be in the "E" position for a voltage input in the range of 1-6 VDC (most Consolidated Electric Company transducers) or the "I" position for a 4-20 mA current loop input. This jumper is placed in the proper position by Consolidated Electric Company prior to shipment and should not require attention unless the signal input source has been changed.
6. Depending on the System, it may be desirable to disconnect control circuits before applying power.
7. Apply power and with the process signal input at its minimum, turn the coarse zero adjustment clockwise until the first one or two level display segments on the front of the controller light. Turn the fine zero adjustment counter clockwise until the point where the lowest segment just turns off.
8. With the process signal input at its maximum, turn the coarse full scale adjustment counter clockwise until the upper one or two level display segments turn off. Turn the fine full scale adjustment clockwise until the topmost segment just turns on.
9. Repeat steps 8 and 9 to ensure the accuracy of the adjustments.
10. If, after carefully following this procedure the calibration cannot be performed, consult your Consolidated Electric Company representative, or the Factory Service Department (612-224-9474) for assistance.

TITLE  
FIELD CALIBRATION PROCEDURE - D15X CONTROLLERS

DESIGNED  
JWB

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**USFilter** CONTROL SYSTEMS

PAGE  
1 OF 1

DRAWING NO

AIM05388

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