570 Electrical and Calibration Instructions

570-00 Electricial Wiring

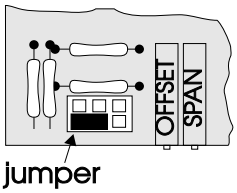
1. Remove power from the loop.
2. Connect white wire to the positive (+) 4-20mA loop.
3. Connect green wire to the negitive (-) 4-20mA loop.

570-00 Display Board Calibration

The 570-00 display has four range selections (Jumper locations and ranges listed in figure 1). If the flow rate is greater than 1999 multipliers must be used. The display board calibration should be done **after** the 4-20mA span has been set on the analog output board.

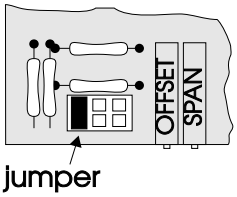
1. Remove power from loop then reference Figure 1 to select jumper location and multiplier for the desired span.
2. Apply power to loop and with the loop current at 4mA adjust display board offset pot until display reads 0. If minimum flow rate of analog transmitter is higher than 0 then adjust the offset pot until display reads desired 4mA reading.
3. With the loop current at 20mA adjust display board span pot to adjust display for the desired full scale reading.
4. Reduce loop current to 4mA and verify reading. Repeat steps 2-4 as necessary.
5. Attach Multiplier label to front cover of unit (If applicable).
6. The unit is now ready for automatic operation.

Figure 1



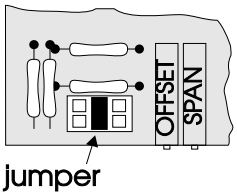
Range 1000 - 1999

Example #1
If analog transmitter is calibrated for 0-1750 GPM the jumper would be moved to the 1000-1999 range and there would be no multiplier used.



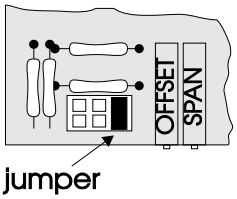
Range 500 - 1000

Example #2
If analog transmitter is calibrated for 0-750 GPM the jumper would be moved to the 500-1000 range and there would be no multiplier used.



Range 250 - 500

Example #3
If analog transmitter is calibrated for 0-2500 GPM the jumper would be moved to the 100-250 range or 250-500 range and there would be a X10 multiplier used.



Range 100 - 250

Example #4
If analog transmitter is calibrated for 0-22000 GPM the jumper would be moved to the 100-250 range and there would be a X100 multiplier used.

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