FLO-CORP.com

FLOGUARD™ CFFG

Adjustable Flow Switch

OPERATING INSTRUCTIONS

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Installation and Instructions

Install the FloGuard by inserting the ½" MNPT threaded sensor tip into a tapped pipe or T-fitting. Use Pipe Tape or Plumbers Puttey on NPT threads to aid in sealing. Tighten firmly, but do not over tighten as this could damage the NPT threads and prevent proper sealing.

With provided connection cable disconnected, complete unit wiring by connecting the Brown wire to +24VDC supply and the Blue wire to common. The Black wire is now connected to the + side of your load. The – side or common of your load is now also connected to ground. NOTE: Be sure that the common (ground) of the FloGuard and the LOAD are the same. The white wire (if present) is not used.

Setting unit zero point: With the media flow turned off depress setup button located on the front of the unit with a small instrument (Screwdriver or Paper Clip) and hold while connecting the pre-wired cable to the unit. The setup button is located on the face of the FloGuard just between the Flow OK and the Overflow LED's. The cable would have been pre-wired in step 2 above. Once the unit comes on remove the instrument from the setup button and allow the unit to go through it's zero point calibration. The unit will start with the far right LED and increment to the left. Once finished all LED's should be off except for the blinking set-point indicator. As the SwitchGuard unit also monitors the media temperature, the unit will provide a loss of signal if the temperature of the media goes above the threshold of the unit temperature set point (typically 122°F or 158°F), even with proper media flow.

Setting unit range: Turn on your flow and allow the flow to reach full normal flow rate. Then with the setup instrument used in step 3.0 above, depress the set/range button on the face of the FloGuard (located just between the Flow OK and Overflow LED's). Hold for 5-6 seconds and the FloGuard will range itself to the full flow rate or 5 ft/second whichever is less (this process could take 45-60 seconds). All of the 7 LED's will flash when auto scaling is complete and the Set Point LED will begin to flash (default is set for 50%). The Green Flow OK LED will come on when the flow rate goes above the set point and the output signal of the unit will change states.

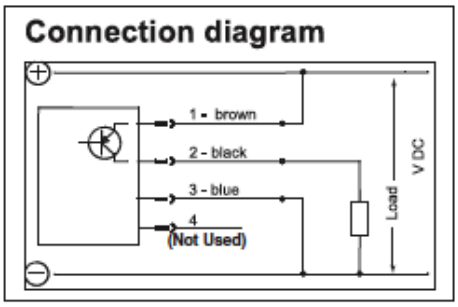
Should you wish to set the set-point at a different LED setting (or rage of flow) simply depress the set/range button repeatedly inshore intervals, and the set-point will change clockwise to any LED you wish to choose. When the correct LED is flashing your new set point is established.

The Over Range light (Offset RED LED) will come on if your already established full flow rate were to increase. If you wish to rescale to the new flow rate, simply depress the set button again as you did in Step 3.0 and reset your set-point if desired, using the same procedure as in item 4.0 above. See additional notes.

Note: Use caution while installing the FloGuard so as not to damage the tip of the sensor. The electronics are embedded just behind the tip of the FloGuard and denting or bottoming ot of the tip could cause damage.

Maintenance is not required, as the SwitchGuard has no moving parts. However, should the sensor become coated after a period of time in operation due to water or media conditions, simply wipe the probe with a soft cloth and alcohol.

Wiring Diagram



Dimensions In (mm)

X	
12.5	(Short)
50.5	(Long)