



FLO-CORP.com

SWITCHGUARD™ CFSG Flow and Temperature Switch **OPERATING INSTRUCTIONS**



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Installation and Instructions

Install the SwitchGuard by inserting the 1/2" MNPT threaded sensor tip into a tapped pipe or T-fitting. Use Pipe Tape or Plumbers Putty 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 SwitchGuard and the LOAD are the same. The white wire (if present) is not used.

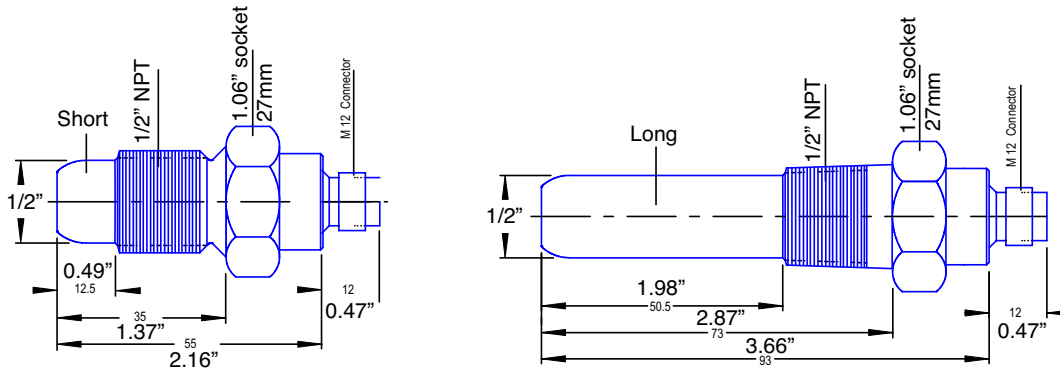
Upon initial power-up the unit will provide a temporary output as the unit is adjusting to the zero flow rate of the media. After approximately 10-15 seconds the output will turn off. Once the unit output has turned off, the unit is ready for operation. Once the threshold of the unit set point (approx. 1-1.3 feet/second) is reached the output will turn on.

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.

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

Dimensions In (mm)



Wiring Diagram

