

SwitchGuard™ CFSG

FLOW AND TEMPERATURE SWITCH DATA SHEET



DESCRIPTION

Offered in general purpose and hazardous proof configurations, this compact flow switch is a great choice for monitoring a diverse range of liquid applications. SwitchGuard will monitor flow and temperature to protect equipment and process from high temperatures and no-flow conditions. SwitchGuard has NO moving parts and is a reliable alternative to failure prone mechanical flow switches. The short sensor is intended for use in pipe sizes ½” to 1 ½” in diameter and the long sensor is recommended for pipe sizes 2” and up.

FEATURES & BENEFITS

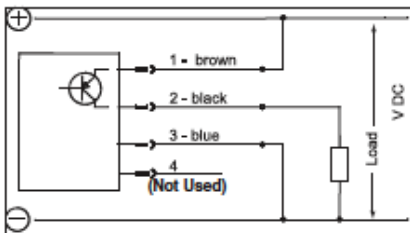
- Compact electronic unit with NO moving parts
- Offered in general purpose and hazardous proof configurations
- No adjustment or calibration needed
- Maintenance free
- Fail safe normally open switch
- Easy to install
- Broadly selected for low or no-flow applications

SPECIFICATIONS



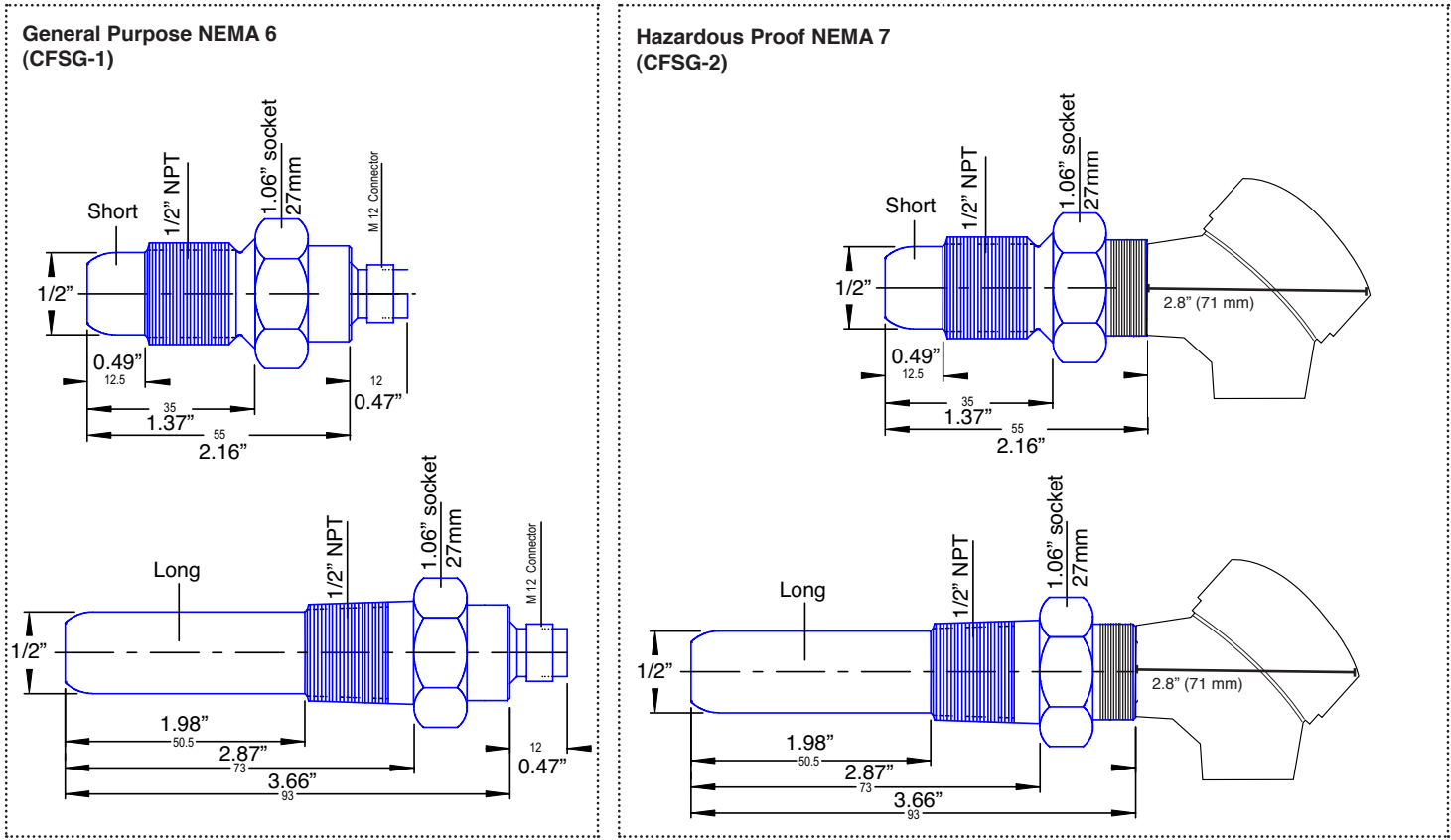
Service	Compatible Liquids
Flow Set Point	1.2 fps (.4 mps) (water related)
Temp Set Point	122° F (55° C) or 158° F (70° C)
Medium Temperature	F: -4° to 176° C: -20° to 80°
Response Time	< 30 seconds
Repeatability	± 1/2% of set point
Hysteresis	< 30% of set point
Pressure	150 psi (10 bar)
Sensor Rating	CFSG-1: NEMA 6 (IP67) CFSG-2: NEMA 7
Sensor Material	303 Stainless Steel
Process Connection	1/2” NPT
Supply Voltage	18 to 30 VDC
Switching Current	± 200 mA
Consumption	4 W maximum
Initial Operation	After 15 seconds
Transistor Output	PNP N.O. (Switch closed with flow)
Cable (CFSG-1 Only)	
Cable Jacket Material	PVC
Cable Type	4-conductor, #22 AWG
Cable Length	6.5' (2m)

CONNECTION DIAGRAM



Note: Please Consult Factory for Special Requirements

DIMENSIONS



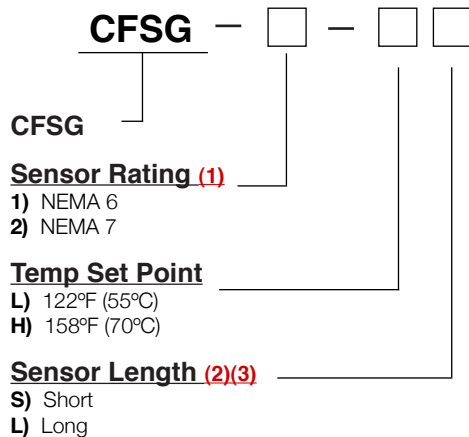
Ordering Information

FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Use the diagram below, working from left to right to construct your FLO-CORP Model Number. Simply match the category number to the corresponding box number.

Example: CFSG-1-LS SwitchGuard Flow Switch, NEMA 4 rating, 122°F set point, short sensor length.



Ordering Notes:

- (1) Select the best configuration based on your requirements. Classifications for each type:
CFSG-1: NEMA 6 - General Purpose (Comes with 6.5' PVC cable)
CFSG-2: NEMA 7 - Hazardous Proof
- (2) Select the short sensor for use with pipe sizes 1/2" to 1 1/2" in diameter and the long sensor for 2" and up.
- (3) This unit comes standard with NPT (US) threaded connections. To special order BSP (Metric) connections, place BSP at the end of the P/N: (ie CFSG-1-LS-BSP).