

SwitchGuard Plus™ CFSG2

FLOW AND TEMPERATURE SWITCH WITH COMPACT RELAY CONTROLLER DATA SHEET



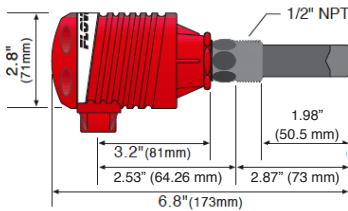
DESCRIPTION

This general purpose liquid switch package provides a complete solution for low flow pump or process protection with a 16A compact relay controller. The optional strobe light brings immediate attention to low flow conditions. 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. The product is broadly selected for low or no-flow applications.

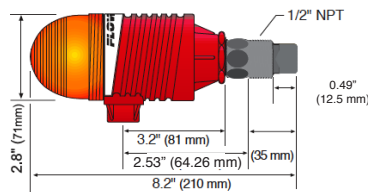
FEATURES & BENEFITS

- Fail-safe compact relay control of pumps and valves with 0-60 second time delay
- Optional strobe brings immediate attention to flow alarm conditions
- PP enclosure rated NEMA 4X with 300° swivel base for easy conduit alignment
- Easy setup with LED indicators for sensor, power and relay status
- High accuracy with NO moving parts

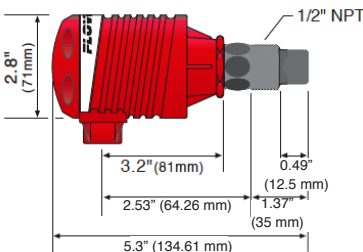
DIMENSIONS



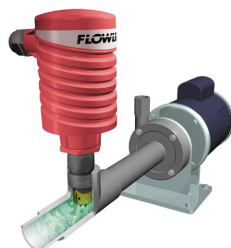
Dimensions (w/ long sensor)



Dimensions (w/ short sensor & strobe light)



Dimensions (w/ short sensor)



SPECIFICATIONS



Sensor	
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°
Reponse Time	< 30 seconds
Repeatability	± 1/2% of set point
Hysteresis	< 30% of set point
Pressure	150 psi (10 bar)
Sensor Rating	NEMA 6 (IP67)
Sensor Material	303 Stainless Steel
Thread	1/2" NPT
Controller	
Supply Voltage	120/240 VAC @ 50-60 Hz
Consumption	.25 A
Sensor Input	(1) four-wire flow switch
Sensor Supply	24 VDC, 50 mA
Contact Type	(1) SPDT relay
Contact Rating	250 VAC @ 16A
Contact Delay	0-60 seconds
LED Indication	Sensor, power and relay status
Electronics Temp.	F: -40° to 158° C: -40° to 70°
Enclosure	
Enclosure Rating	NEMA 4X (IP65)
Enclosure Material	PP, UL94VO
Enclosure Rotation	300° swivel base
Conduit Entrance	Single, 1/2" NPT
Classification	General purpose
Certificate	CSA: LR 79326
CE Compliance	EN 61326 EMC EN 61010-1 safety
Strobe Light (Optional)	
Strobe Type	Xenon Tube
Strobe Flash	1 per second
Lens Material	Polycarbonate

Note: Please Consult Factory for Special Requirements

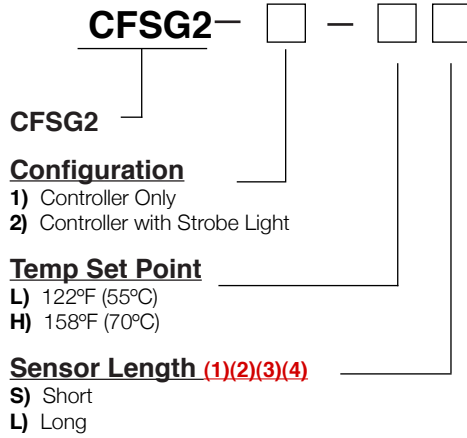
Ordering Information

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: CFSG2-2-LS SwitchGuard Plus, Controller with Strobe Light, 122°F Temp Set Point, Short Sensor Length



Ordering Notes

- (1) To factory configure for 240 VAC, place an E at the end of the P/N: (ie: CFSG2-LS-E).
- (2) To order the CE configuration, place CE at the end of the P/N: (ie: CFSG2-2-LS-CE).
- (3) For a liquid tight cable connection, order the LM90-1001 connector.
- (4) For a liquid tight cable connection, order the LM90-1001 connector.