

FS31 MAGNETIC FLOW SWITCH

Description

The FS31 is a Flow Rate Control Device where the operation of the vane can be used to sound alarms or activate various types of control equipment.

Operation

The Detector Vane, mounted to a magnetic arm, will pivot due to the flow rate within the pipe. The magnetic arm will swing into the proximity of the reed switch, closing the switch contacts. The device is used to detect flow (no flow) situations. The FS31 is threaded directly into the pipe by using a coupling, thread-o-let, or flanged connection. The body of the unit is then oriented in the direction of the flow using the wrench flats for proper alignment.

Due to the devices small size and ease of installation the FS31 can provide a reliable and economical means for the control of process pipeline applications.

Features

- No Seals to Leak
- Meets Class I, Groups A, B, C, D
Class II, Groups E, F, G
Class III
- Hermetically Sealed Reed Switch
- Electrically Serviceable without removal from process
- Corrosion Free Construction

Standard Specifications

- SPST Reed Switch
- 1.5 or 2" NPT body
- Short Pivot Arm
- 316SS Body and Vane Mechanism
- Sealed Switch Cartridge
- Rated to 3000 psig @ 400°F
- 12" Lead Wires

Options

- ★ SPDT Reed Switches
- ★ Flanged Mountings



Phone (504) 751-7755
 Fax (504) 751-7750

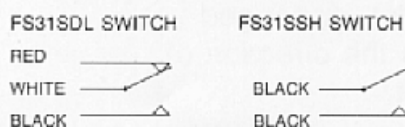
11552 MERCHANT DR.
 BATON ROUGE, LA 70809

Service Ratings

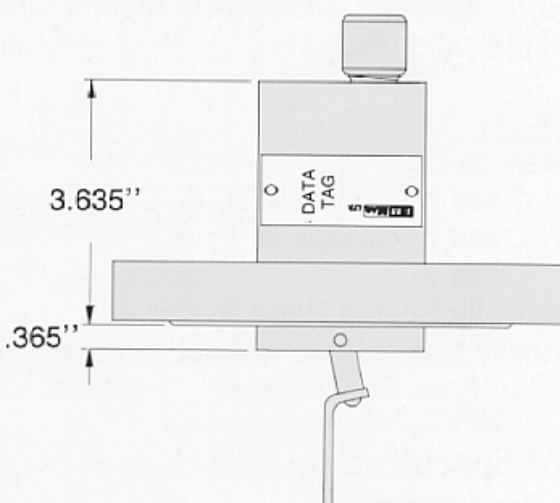
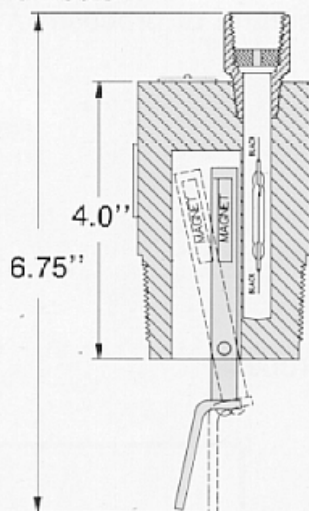
MODEL TYPE	SWITCH TYPE	MAX. PROCESS TEMPERATURE	MAX. PROCESS PRESSURE psig	ACTUATING FLOW RATE
FS31SSH	Single pole Single Throw	-40° to 400°F	3000 @ 400°F	1 ft/sec
		-40° to 200°C		
FS31SDL	Single pole Double Throw	-40° to 200°F	3000 @ 400°F	1 ft/sec
		-40° to 94°C		

Electrical Specifications

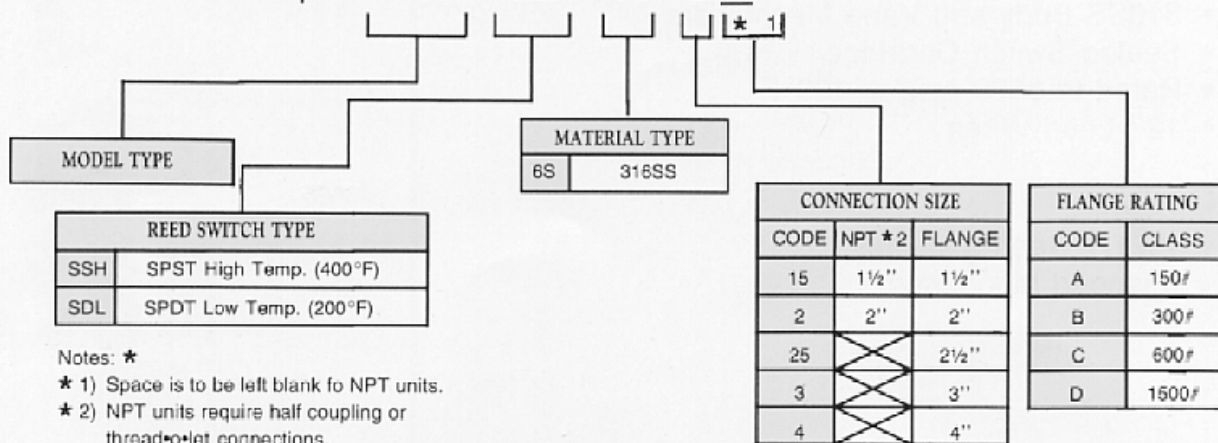
Model Number		FS31SSH	FS31SDL
DC Voltage Rating	Switching	Vdc Max. 250	500
AC Voltage Rating	Switching	rms Vac Max. 177	700
Current	Switching / Carry	Amperes-Max. 1.0 / 3.0	1.5 / 2.0



Model Numbers



Example: FS31—SSH—6S—2—*



Notes: *

* 1) Space is to be left blank for NPT units.

* 2) NPT units require half coupling or thread-to-let connections.

