

# MICRO FLOW SWITCH

Adjustable Gas Series - Range 30 sccm to 20 slpm



**FS6200 Series  
Micro Flow Switch  
available with 1/8 and  
1/4 NPT Connections**

- ◆ Hazardous Location Service
  - **CSA Certified**  
Class I, Div 1&2  
Groups A, B, C, D  
Class II, Div 1&2  
Groups E, F, G  
Class III
  - **Cenelec Certified**  
EExdII CT3  
Class I, Zone I, IIC
  - **CE Compliant**
- ◆ Fully Field Adjustable
- ◆ Operates in Any Orientation
- ◆ Operating Temperature  
-40°F to +220°F  
(-40°C to +105°C)
- ◆ Operating Pressure  
3000 psig (207 bar)
- ◆ 316 Stainless Steel construction
- ◆ Shock and Vibration Resistant
- ◆ Contamination Resistant
- ◆ 1/8 & 1/4 NPT Connections

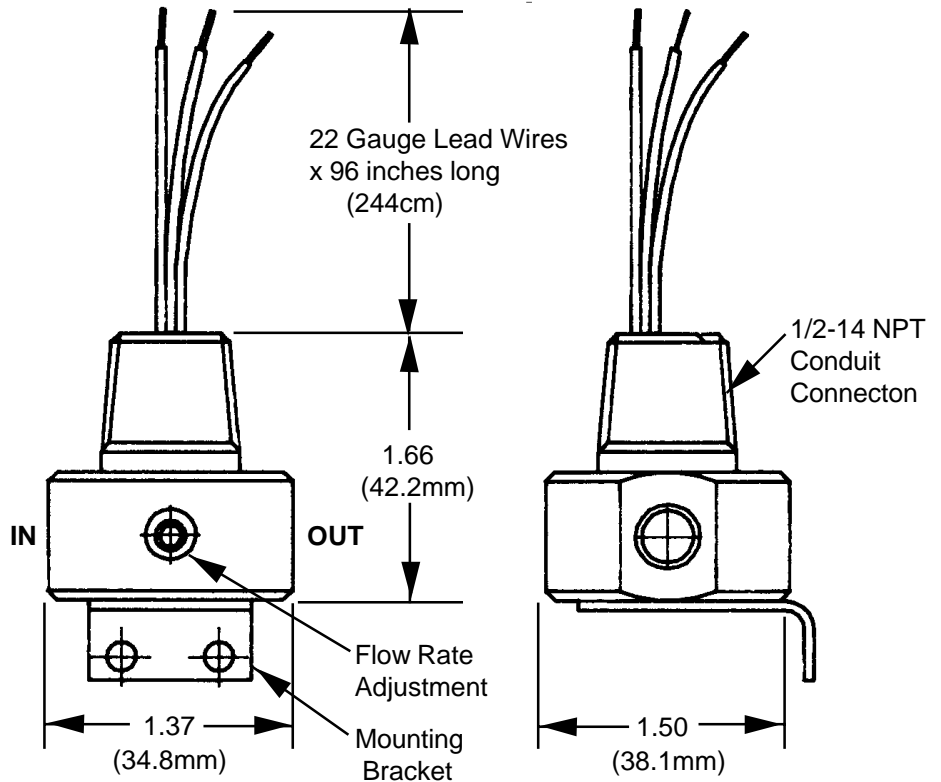
The FS6200 Series *Micro* Flow Switch is designed to precisely detect increasing or decreasing flow rate of gases in critical processes. Typical applications include process analyzer sample conditioning systems, critical purge monitors, excess flow safety, and oxygen and speciality gas systems. The linear, high resolution adjustment allows for precise settings. The miniature compact construction is ideal for high density system packaging.

revised 11-02

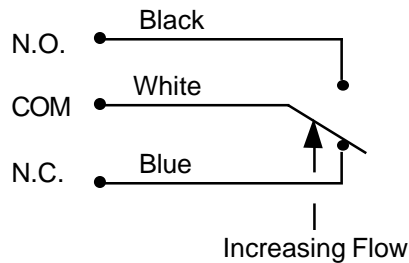
# FS6200 Series MICRO FLOW SWITCH

## SPECIFICATIONS

- ◆ Switch Assembly - SPDT UL 61760
- ◆ 100 VDC, 120 VAC max.
- ◆ 3 Watts resistive max. continuous
- ◆ 0.25 Amp. max. continuous
- ◆ 3.30 VA max. - 100 VDC
- ◆ 2.46 VA max. - 120 VAC
- ◆ 0.20 Ohm max contact resistance
- ◆ Adjustable Flow Rate Setpoint\*
  - 1 30 sccm to 10 slpm N2
  - 3 1 slpm to 20 slpm N2
- ◆ Fluid Media: Gases including corrosives
- ◆ Pressure: 3000 psig max. (207 bar)
- ◆ Operating Temperature:
  - 40°F to 220°F (-40°C to 105°C)
- ◆ Leakage:  $1 \times 10^{-7}$  cc/sec He max.
- ◆ Set Point Accuracy:  $\pm 1\%$
- ◆ Response Time: 10 milliseconds max.
- ◆ Deactuation (reset): less than 12% of actuation set point
- ◆ Internal Filter: 40 micron
- ◆ Materials:
  - Body and wetted parts: 316 St Stl
  - Spring: Inconel X
  - Seals: As specified
- ◆ Weight: .45 lbs (205 gms)



## ELECTRICAL SCHEMATIC



## ORDERING INFORMATION

Part Number Example: **FS6202 C V - 1 M**

Basic Series:

FS6202 - 1/8 NPT  
FS6204 - 1/4 NPT

Material:

C = 316 Stainless Steel

Seal Material:

V = Viton®  
B = Buna - N  
E = Ethylene Propylene  
K = Kalrez®

Optional Mounting Bracket

Adjustable Flow Range\*

-1 30 sccm to 10 slpm  
-3 1 slpm to 20 slpm

\* Adjustable Flow Rate Set Point @ 5 psig (0.34 bar)