



MICRO FLOW SWITCH

SP-76 Mount for Modular Sample Systems

Adjustable Gas Series - Range 30 sccm to 20 slpm



- ◆ Hazardous Location Service
 - **North American Standards**
 - Class I, Div 1&2
 - Groups A, B, C, D
 - Class II, Div 1&2
 - Groups E, F, G
 - Class III
 - **European Standards**
 - 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
 - 1000 psig (68 bar)
- ◆ 316 Stainless Steel Construction
- ◆ Shock and Vibration Resistant
- ◆ Contamination Resistant

**FS2200 Series
Micro Flow Switch
with SP-76 Mount**

**Typical Application
Micro Flow Switch
Installation on a Modular
Sample System Substrait**



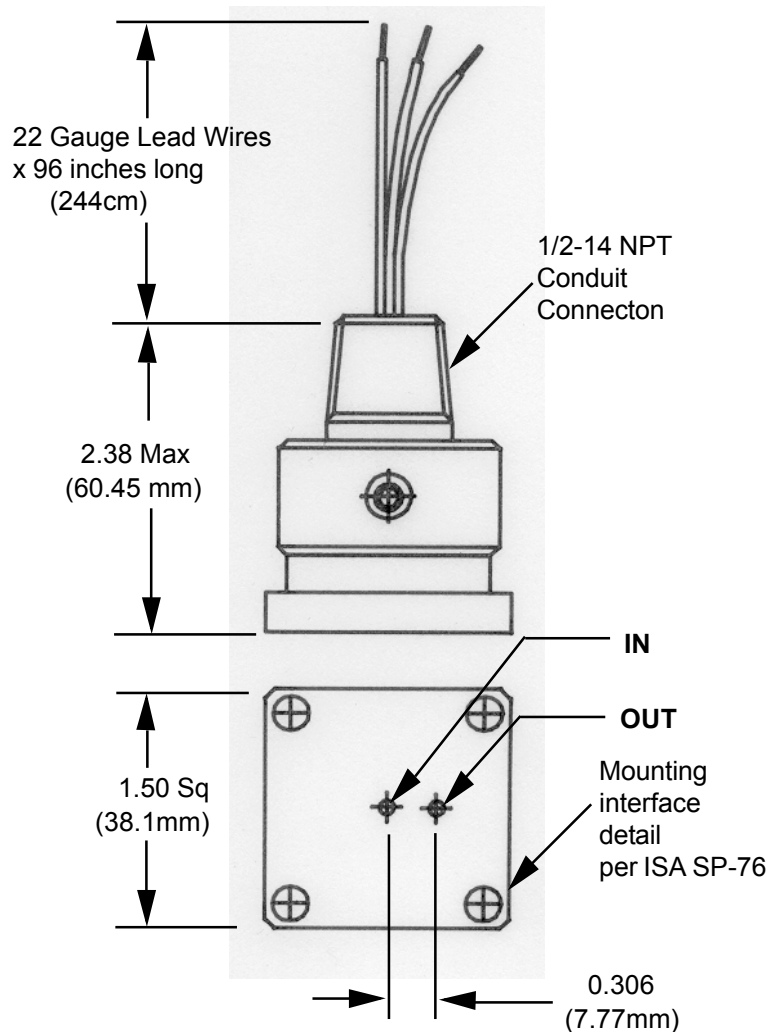
FS2200 Series

MICRO FLOW SWITCH

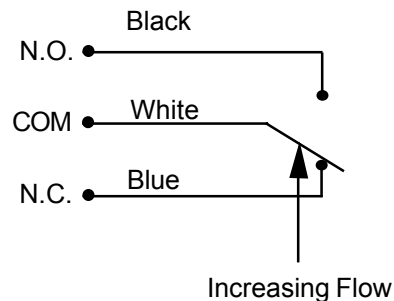
SP-76 Mount

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: 1x10⁻⁷ cc/sec He max.
- ◆ Set Point Accuracy: ±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: **FS2204 C V - 1**

Basic Series:
FS2204

Material:
C = 316 Stainless Steel

Seal Material:
V = Viton®

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

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)

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