

# Application Data

## for Air Pressure Sensing Switches

Date: \_\_\_\_\_

Requested By: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: ( ) - - Ext. \_\_\_\_\_

Fax: ( ) - - \_\_\_\_\_

Email: \_\_\_\_\_

### APPLICATION DATA

Industry: \_\_\_\_\_

Use: \_\_\_\_\_

Annual Volume (Units): \_\_\_\_\_

#### 1.0. LOCATION

- 1.1  Indoor
- 1.2  Outdoor
- 1.3  Enclosed
- 1.4  Exposed

#### 2.0 ATMOSPHERE

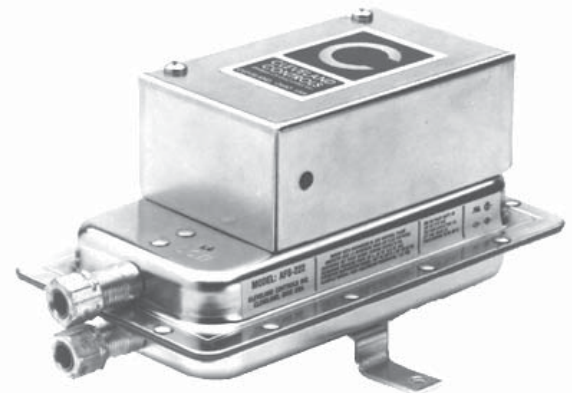
- 2.1  Normal
- 2.2  Corrosive
  - 2.2.1 Type: \_\_\_\_\_

#### 3.0 SAMPLE MEDIA

- 3.1  Air
- 3.2  Other
  - 3.2.1 Type: \_\_\_\_\_

#### 4.0 TEMPERATURE

- 4.1  0 to 180°F
- 4.2  40 to 180°F



#### 5.0. ENCLOSURE

- 5.1  None
- 5.2  Conduit enclosure
- 5.3  Weather proof
- 5.4  Explosion proof

#### 6.0 OPERATING POSITION

- 6.1  Diaphragm Vertical
- 6.2  Diaphragm Horizontal

#### 7.0 MOUNTING METHOD

- 7.1  1" – 14 UNS, center bottom
- 7.1  Pal Nuts, \_\_\_\_\_ (number required)
- 7.2  Foot mount, right angle
- 7.3  Strap bracket, vertical(standard)
- 7.4  #10-32 studs
- 7.5  7/16" –24 UNS, center bottom
- 7.6  Strap bracket, horizontal
- 7.7  Custom

#### 8.0 PRESSURE MEDIA

- 8.1.  Positive only
- 8.2.  Negative only
- 8.3.  Differential pressure

#### 9.0. CONTROL ACTION

- 9.1. Operate on increasing differential pressure at \_\_\_\_\_" wc ± \_\_\_\_\_" wc.
- 9.2. Release on decreasing differential pressure at \_\_\_\_\_" wc ± \_\_\_\_\_" wc.

**10.0 SET POINT**

- 10.1 \_\_\_\_\_ Non-Adjustable Set Point:@ \_\_\_\_\_ " w.c.
- 10.2 \_\_\_\_\_ Field Adjustable
- 10.3 \_\_\_\_\_ Factory Set  
Set Point = \_\_\_\_\_ " w.c.

**11.0 SWITCHING LOGIC**

- 11.1. \_\_\_\_\_ SPDT.
- 11.2. \_\_\_\_\_ SPNO.
- 11.3. \_\_\_\_\_ SPNC.
- 11.4 \_\_\_\_\_ DPDT

**12.0 ELECTRICAL RATING**

- 12.1 **300 VA** Pilot duty at 120 to 277 vAC.
- 12.2 **15 A** non-inductive to 277 vAC.
- 12.3 **50/60** Hz.
  - 12.3.1 **LIFE: 100,000 cycles** minimum at ½ **PSI** maximum pressure each cycle, and at maximum rated electrical load.

**13.0 ELECTRICAL TERMINALS**

- 13.1 \_\_\_\_\_ **Screws** & cup washers.
- 13.2 \_\_\_\_\_ **Wire** leads, 18 gauge.
  - 13.2.1 Length \_\_\_\_\_
- 13.3 \_\_\_\_\_ **Quick-connect** terminals, type:
  - 13.3.1 \_\_\_\_\_ 90°
  - 13.3.2 \_\_\_\_\_ 45°

**14.0 PRESSURE CONNECTORS**

**SWITCH PAN (TOP)**

**MOUNTING PAN (BOTTOM)**

- 14.1 \_\_\_\_\_ 1/8"-27 NPT, Female \_\_\_\_\_
- 14.2 n/a 1"-14 external and ¼-18 \_\_\_\_\_  
NPT internal center  
bottom location
- 14.3 \_\_\_\_\_ ¼" Smooth Slip-on \_\_\_\_\_
- 14.4 \_\_\_\_\_ ¼" Barbed Slip-on \_\_\_\_\_
- 14.5 \_\_\_\_\_ ¼" Internal Tube, 5/16"-18 \_\_\_\_\_  
male integral connector  
(inc. nut & ferrule),  
center end location
- 14.6 \_\_\_\_\_ No Connector \_\_\_\_\_

**15.0. OPTIONS**

- 15.1 \_\_\_\_\_ ¼" Tube adaptor for above, **slip on.**
- 15.2 \_\_\_\_\_ ¼" Tube adaptor for above, **barbed.**
- 15.3 \_\_\_\_\_ Visual set point indicator.
- 15.4 \_\_\_\_\_ Individual packaging.

**16.0 RECOGNITION OR REQUIRED APPROVAL**

- 16.1 \_\_\_\_\_ None required.
- 16.2 \_\_\_\_\_ FM
- 16.3 \_\_\_\_\_ UL
- 16.4 \_\_\_\_\_ CSA
- 16.5 \_\_\_\_\_ CEE
- 16.6 \_\_\_\_\_ CE
- 16.7 \_\_\_\_\_ ETL
- 16.8 \_\_\_\_\_ Other: copy of code attached.

**17.0 SKETCH OR NOTES:**

Prepared By:

\_\_\_\_\_

Company:

\_\_\_\_\_