



### Explosion Proof Hermetically Sealed (NEMA 7 and 9)

### DESCRIPTION

Compact, adjustable pressure switch for low to mid-range process applications. Efficient Nega-Rate® Belleville disc spring for set point stability and vibration resistance. Stainless steel exterior and interior plus hermetically sealed, explosion-proof electrical for atmospheric protection. The flush mount (welded diaphragm) process connection makes this switch ideal for viscous process applications.

### Operating Pressure Data

Adjustable Range Number	Adjustable Set Point Range		Deadband (approximate)	Maximum Recommended System Pressure	Proof Pressure
	Increasing	Decreasing			
2	3 to 30	1 to 28	2	1350	2000
4	20 to 80	15 to 75	5	1350	2000
5	50 to 250	30 to 230	20	3000	5000
6	200 to 400	175 to 375	25	3000	5000
7	375 to 725	330 to 680	45	3000	5000
8	700 to 1500	620 to 1420	80	3000	5000
9	1500 to 2300	1400 to 2200	100	3000	5000

All values given in psig.

### Standard Specifications

#### Electrical

Snap action electrical switch listed by Underwriters' Laboratories, Inc., Factory Mutual and CSA Testing Laboratories

#### Electrical Connection

½" - 14 NPT male conduit connection with PVC insulated 18 AWG leads 18" long

#### Pressure Connection

1½" - 11½ NPT Male

#### Temperature Range

Ambient: -40°F to +180°F  
(-40°C to +82°C)

Media: -40°F to +250°F  
(-40°C to +121°C)

#### Adjustment

Internal, slotted adjustment nut with range scale

#### Shipping Weight

Approximately 2.5 pounds

### Ordering Sequence — Select desired option for each category

#### OPTIONS

##### Wetted Material

**5** 316 stainless steel port and diaphragm heliarc welded

##### Adjustable Range

**2** 1 psig dec. to 30 psig inc. (0.1 bar dec. to 2.1 bar inc.)  
**4** 15 psig dec. to 80 psig inc. (1.0 bar dec. to 5.5 bar inc.)  
**5** 30 psig dec. to 250 psig inc. (2.1 bar dec. to 17.2 bar inc.)  
**6** 175 psig dec. to 400 psig inc. (12.1 bar dec. to 27.6 bar inc.)  
**7** 330 psig dec. to 725 psig inc. (22.8 bar dec. to 50.0 bar inc.)  
**8** 620 psig dec. to 1500 psig inc. (42.7 bar dec. to 103.4 bar inc.)  
**9** 1500 psig dec. to 2300 psig inc. (96.5 bar dec. to 158.6 bar inc.)

##### Electrical Form

**C** 11 amps and ¼ hp 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC; .5 amps resistive 125 VDC

**CC** 11 amps and ¼ hp 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC; .5 amps resistive 125 VDC

##### Enclosure

**6** Explosion proof • factory sealed • hermetically sealed electrical assembly P/N 057-0030 (C Form); P/N 057-0057 (CC Form). **Underwriters' Laboratories, Inc.** listed (file #E56677) or **Canadian Standards Association** certified (file #34146) for Division 1 and 2; Class I, Groups A, B, C and D; Class II, Groups E, F and G hazardous locations (NEMA 7 and 9)

##### Miscellaneous

**A** Epoxy paint exterior — extra protection for severe environments  
**I** ¾" Conduit box with terminal strip  
**M** Gold electrical contacts for extremely low current applications  
**N** CENELEC approval  
**R** 72" Electrical free leads

#### Special (Consult representative or factory)

■ Non-catalog adjustable range and/or set point, deadband and proof pressure

### Ordering Procedure

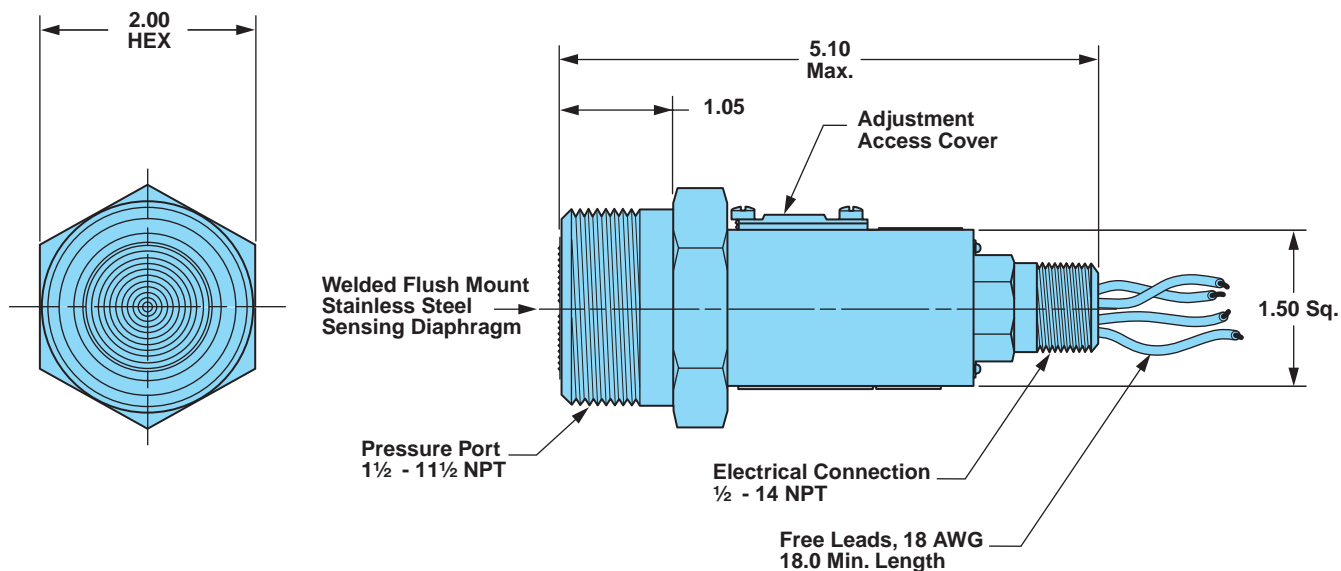
- When factory presetting is desired, stipulate set point, increasing or decreasing
- Insert available option number or letter designation as required

### Example

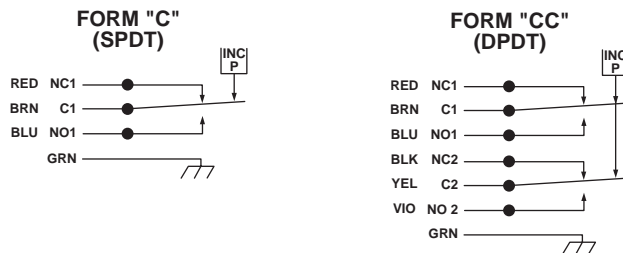
Series  
 Wetted Material  
 Adjustable Range  
 Electrical Form (specify)  
 Enclosure  
 Miscellaneous

123P52CC6\_\_

**Envelope Dimensions**



**Electrical Form**



**Basic Principles of Design**

