



**Explosion Proof  
Hermetically Sealed  
(NEMA 4X, 7, 9 and 13)**

### DESCRIPTION

Compact, versatile vacuum switch well suited for hazardous or corrosive atmospheres. For vacuum applications. Features efficient Nega-Rate® Belleville disc spring for stable set points and is field adjustable using 1/8" allen wrench. Once adjustments are made and switch is installed, it becomes tamper proof.

### Operating Pressure Data

Adjustable Range Number	Adjustable Set-Point Range		Deadband (approximate)	Maximum Recommended System Pressure	Proof Pressure
	Increasing Vacuum	Decreasing Vacuum			
2	4 to 28" Hg	2 to 26" Hg	2" Hg	150	250

All values given in psig.

### Standard Specifications

#### Electrical

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

#### Electrical Connection

1/2 NPT male conduit connection with PVC insulated 18 AWG, 18" long leads

#### Pressure Connection

1/4 NPT Male

#### Temperature Range\*

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

Media: -40°F to +300°F  
(-40°C to +149°C)

\*Temperature limits change with O-Ring selection. See Electrical Assembly specification sheet for Temperature Class Ratings.

#### Adjustment

1/8" allen wrench through port

#### Shipping Weight

Approximately 16 ounces

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

#### OPTIONS

##### Wetted Material

- 1 Aluminum port, Teflon coated polyimide diaphragm, Buna-N O-Ring, stainless and cadmium plated steel
- 4 Stainless steel, Teflon coated polyimide diaphragm and Buna-N O-Ring

##### Adjustable Range

- 2 2" Hg dec. to 28" Hg inc. vacuum (.07 bar dec. to 2.1 bar inc.)

##### Electrical Form

- C 11 amp, 1/4 hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC; .5 amp resistive at 125 VDC
- CC 11 amp, 1/4 hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC; .5 amp resistive at 125 VDC

##### Enclosure

- 6 Explosion proof, hermetically-sealed electrical assembly, leads factory sealed, P/N 057-0770 (C Form) and P/N 057-0771 (CC Form); **Underwriters' Laboratories, Inc.** listed (File E56677), **CSA International** certified (File LR34146) and **Factory Mutual** approved (File J.I.1R5A9.AE) for Division 1 and 2; Class I, Groups A, B, C and D; Class II, Groups E, F and G Hazardous Locations; NEMA Type 7 and 9.

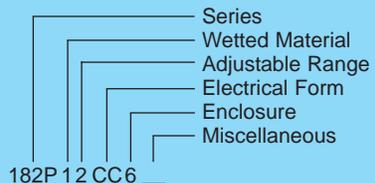
##### Miscellaneous

- A Epoxy paint exterior — extra protection for severe environments
- B Viton O-Ring
- C EPR O-Ring
- H Stainless steel body
- I 3/4 NPT conduit box with terminal strip (Groups C & D only)
- M Gold electrical contacts for extremely low current applications
- N ATEX approval with CE Mark
- R 72" Electrical free leads

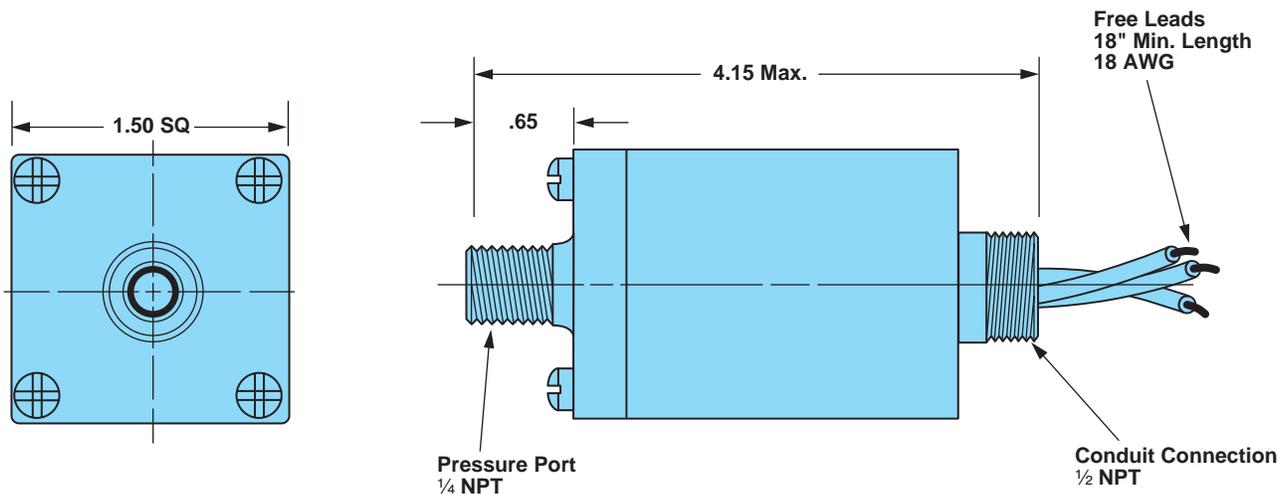
### Ordering Procedure

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

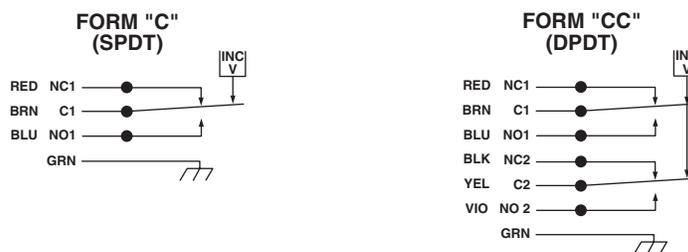
### Example



**Envelope Dimensions**



**Electrical Form**



**Basic Principles of Design**

