



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

### DESCRIPTION

Designed for high pressure pneumatic or low impulse hydraulic applications requiring a narrow deadband and tamper-proof set point. Has diaphragm sensor with efficient Nega-Rate® Belleville disc spring for excellent accuracy and repeatability.

### Operating Pressure Data

| Series | Fixed Set Point Range |            | Maximum Recommended System Pressure | Proof Pressure |
|--------|-----------------------|------------|-------------------------------------|----------------|
|        | Increasing            | Decreasing |                                     |                |
| 125P   | 40 to 3050            | 20 to 2800 | 5000                                | 7500           |

All values given in psig.

### Standard Specifications

#### Deadband (Differential)

The deadband can be selected anywhere from 20 psig or 8% (whichever is greater) to 45% of the set point

#### Electrical Connection

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

#### Pressure Connection

¼ NPT Female

#### 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.

#### Shipping Weight

Approximately 1 pound

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

#### OPTIONS

**125P** between 20 psig dec. and 3050 psig inc. (1.4 bar dec. and 210 bar inc.)

#### Wetted Material

- 1** Aluminum port, Teflon coated polyimide diaphragm and Buna-N O-Ring
- 4** 316 Stainless steel port, Teflon coated polyimide diaphragm and Buna-N O-Ring

#### Electrical Form

- C** 11 amp, ¼ hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC; .5 amp resistive at 125 VDC
- CC** 11 amp, ¼ 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
- I** ¾ 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
- W** Stainless steel screws

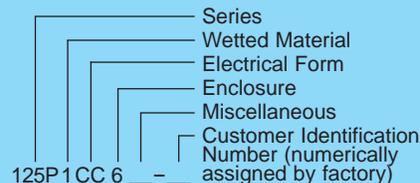
#### Special (Consult representative or factory)

- ⅜" - 20 SAE Female Port
- Electrical connection per MS33678-10SL-3P
- Non-catalog set point, deadband and/or proof pressure
- Media temperature capability from -65°F to +350°F

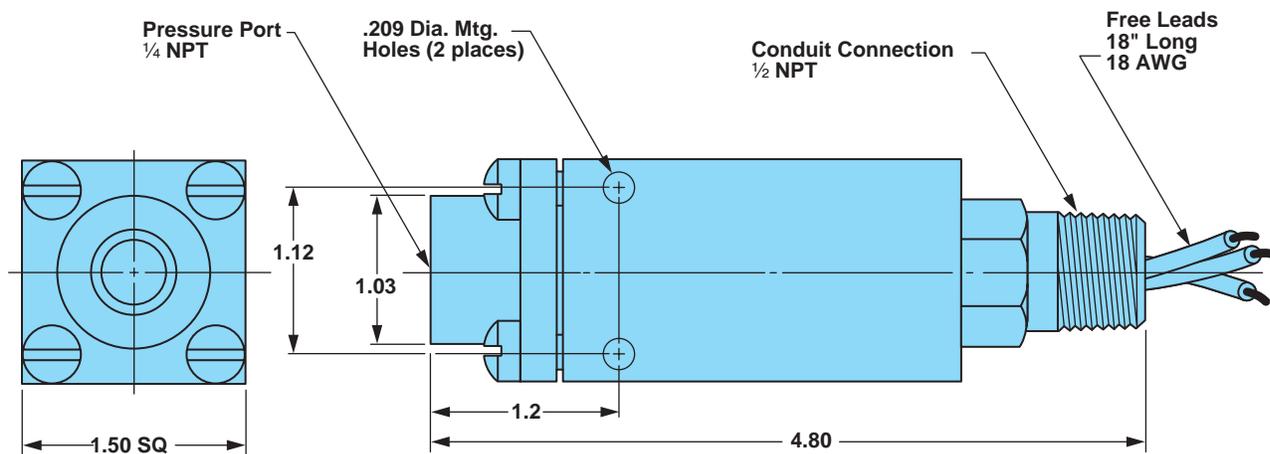
### Ordering Procedure

- Specify set point, increasing or decreasing
- Specify deadband if pertinent
- Specify media
- Insert available option number or letter designation as required

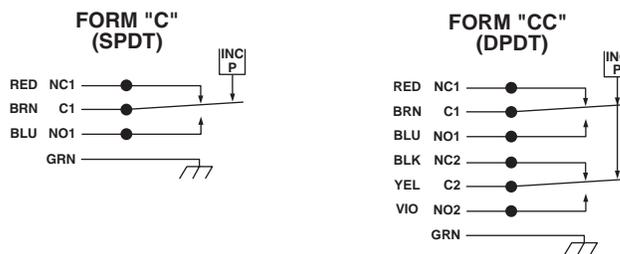
### Example



**Envelope Dimensions**



**Electrical Form**



**Basic Principles of Design**

