



**Weather Proof
(NEMA 4 and 13)**

DESCRIPTION

Designed for high pressure pneumatic or low impulse hydraulic applications requiring a narrow deadband. Has diaphragm sensor with 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

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

Electrical Connection

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

Pressure Connection

¼" - 18 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

Shipping Weight

Approximately 10 ounces

Ordering Sequence — Select desired option for each category

OPTIONS

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 5 amps 125, 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC
- CC 5 amps 125, 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC

Enclosure

- 3 Meets or exceeds the requirements of NEMA Type 3, 3R, 3S, 4, 4X and 13

Miscellaneous

- A Epoxy paint exterior — extra protection for severe environments
- B Viton O-Ring
- C EPR O-Ring
- M Gold electrical contacts for extremely low current applications
- R 72" Electrical free leads
- W Stainless steel screws — exterior
- X CSA Certified

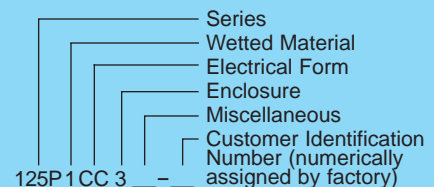
Special (Consult representative or factory)

- Pressure port per MS33649E4
- Electrical connection per MS33678-10SL-3P
- Non-catalog set point, deadband and/or proof pressure
- 11 amp 125/250 VAC electrical rating
- Operating temperature capability from -65°F to +350°F

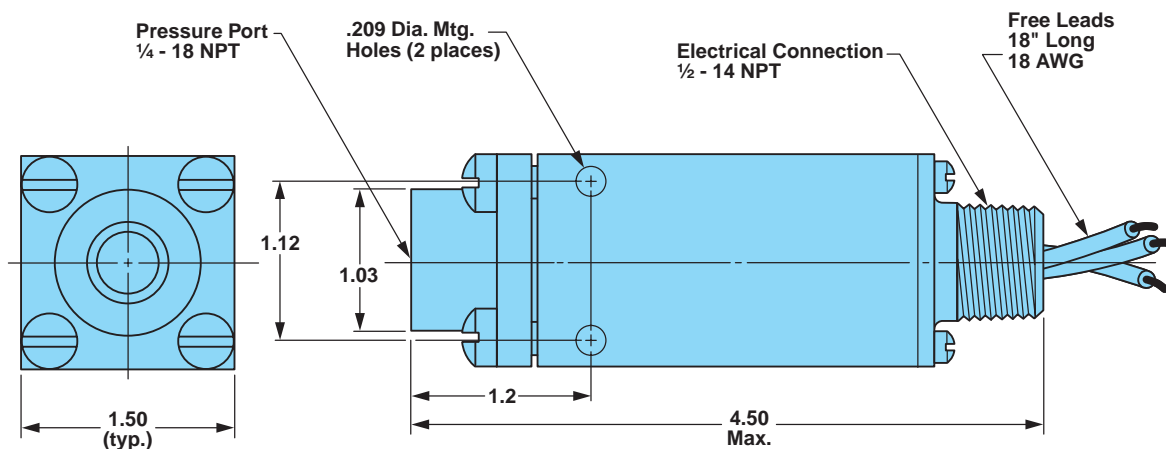
Ordering Procedure

- Specify set point, increasing or decreasing
- Specify deadband if pertinent and if not, specify as 'open'
- Specify media
- Insert available option number or letter as required

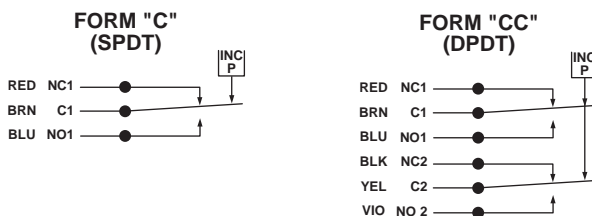
Example



Envelope Dimensions



Electrical Form



Basic Principles of Design

