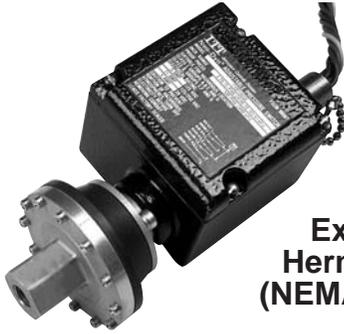


Neo-Dyn® Series 110P Pressure Switch/Internal Adjustment



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

DESCRIPTION

Sensitive Nega-Rate® Belleville spring adjustable pressure switch for low pressure applications.

Operating Pressure Data

Adjustable Range Number	Adjustable Set Point Range		Deadband (approximate)	Maximum Recommended System Pressure	Proof Pressure
	Increasing	Decreasing			
2	10" H ₂ O to 100" H ₂ O	7" H ₂ O to 97" H ₂ O	3" H ₂ O	300	500
4	3 to 15	2.75 to 14.75	.25*	300	500

All values given in psig.

*Deadband increases to .4 psi (approx.) in "CC6" configuration.

Standard Specifications

Electrical

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

Electrical Connection

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

Pressure Connection

Wetted Material 1
¼ NPT Female

Wetted Material 4
½ 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.

Adjustment

Concealed wrench flat adjustment with range scale

Shipping Weight

Approximately 3 pounds

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

Adjustable Range

- 2 7" H₂O dec. to 100" H₂O inc. (17 millibar dec. to 249 millibar inc.)
- 4 2.75 psig dec. to 15 psig inc. (0.2 bar dec. to 1.0 bar inc.)

Electrical Form

- C 11 amp, ¼ hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive 28 VDC; .5 amp resistive at 125 VDC
- CC 11 amp, ¼ hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive 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
- F Fire fuse — for fire-tested equipment (wetted material 4 only; not available with option G)
- G ½ NPT male port (wetted material 4 only)
- I ¾ NPT conduit box with terminal strip (Groups C & D only)
- M Gold electrical contacts for extremely low current applications
- N ATEX approved with CE Mark
- R 72" Electrical free leads
- S Stainless steel diaphragm (wetted material 4 only)
- W Stainless steel screws — exterior (standard with wetted material 4)

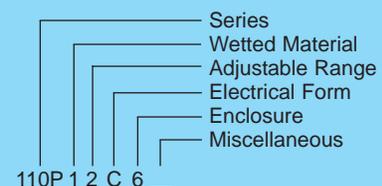
Special (Consult representative or factory)

- Non-catalog adjustable range and/or set point, deadband and proof pressure
- Chemical seals installed

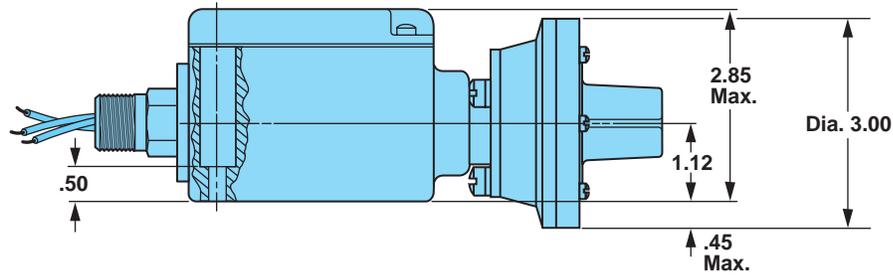
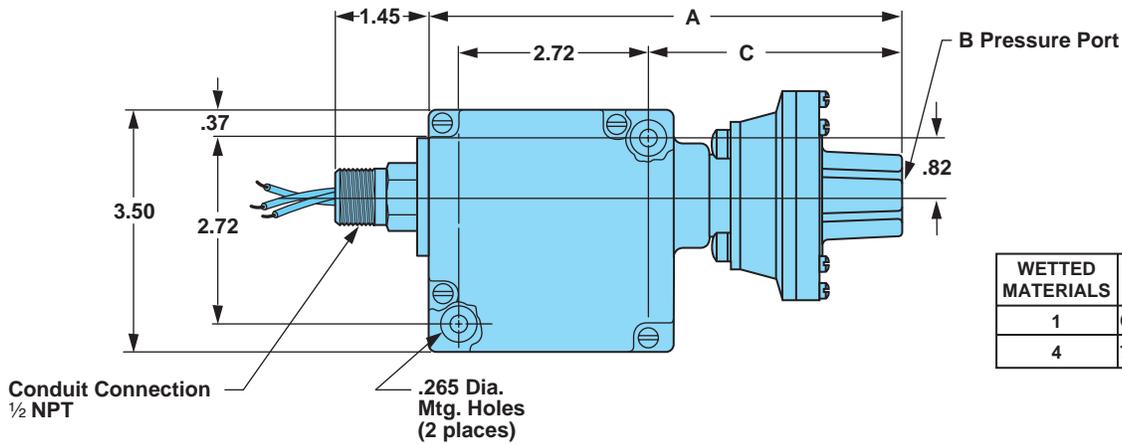
Ordering Procedure

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

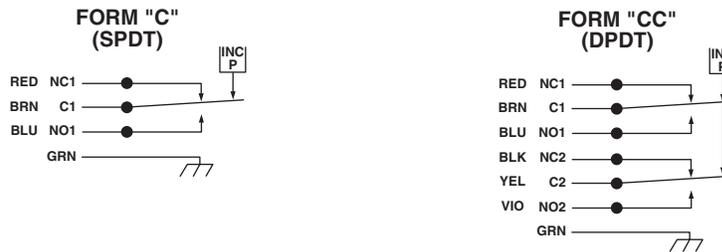
Example



Envelope Dimensions



Electrical Form



Basic Principles of Design

