

Neo-Dyn® Series 162P Differential Pressure Switch



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

DESCRIPTION

Adjustable high pressure differential switch. Rugged construction with efficient Nega-Rate® Belleville disc spring sensing mechanism. Maintains set point at high system pressure. Available in all stainless steel construction with hermetically sealed electrical assembly for corrosive atmospheres.

Operating Pressure Data

Adjustable Range Number	Adjustable Set Point Range		Deadband (approximate)	Maximum Recommended System Pressure	Proof Pressure		
	Increasing	Decreasing			Simultaneous	High/Low	Low/High
2	6 to 50	1 to 45	5	5000	7500	2500	2500
4	20 to 90	10 to 80	10	5000	7500	2500	2500
6	30 to 200	10 to 180	20	5000	7500	2500	2500
8	180 to 350	150 to 320	30	5000	7500	2500	2500
9	325 to 1000	225 to 900	100	5000	7500	2500	2500

All values given in psid.

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

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

Adjustment

External ½" hex head

Note: Turn clockwise to increase set point; approximately 24 turns through range

Shipping Weight

Approximately 3 pounds*

*Add 4 pounds for "H" option

Ordering Sequence — Select desired option for each category

OPTIONS

Wetted Material

- 1 Aluminum port, Teflon coated polyimide diaphragm, steel and Buna-N O-Ring
- 4 300 Series stainless steel, Teflon coated polyimide diaphragm and Buna-N O-Ring

Adjustable Range

- 2 1 psid dec. to 50 psid inc. (0.1 bar dec. to 3.4 bar inc.)
- 4 10 psid dec. to 90 psid inc. (0.7 bar dec. to 6.2 bar inc.)
- 6 10 psid dec. to 200 psid inc. (0.7 bar dec. to 13.8 bar inc.)
- 8 150 psid dec. to 350 psid inc. (10.3 bar dec. to 24.1 bar inc.)
- 9 225 psid dec. to 1000 psid inc. (15.5 bar dec. to 69.0 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
- B Viton O-Ring
- C EPR O-Ring
- H Stainless steel exterior (included with Wetted Material 4)
- I ¾" Conduit box with terminal strip
- M Gold electrical contacts for extremely low current applications
- N CENELEC approval
- R 72" Electrical free leads

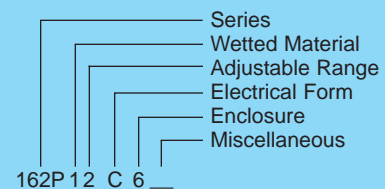
Special (Consult representative or factory)

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

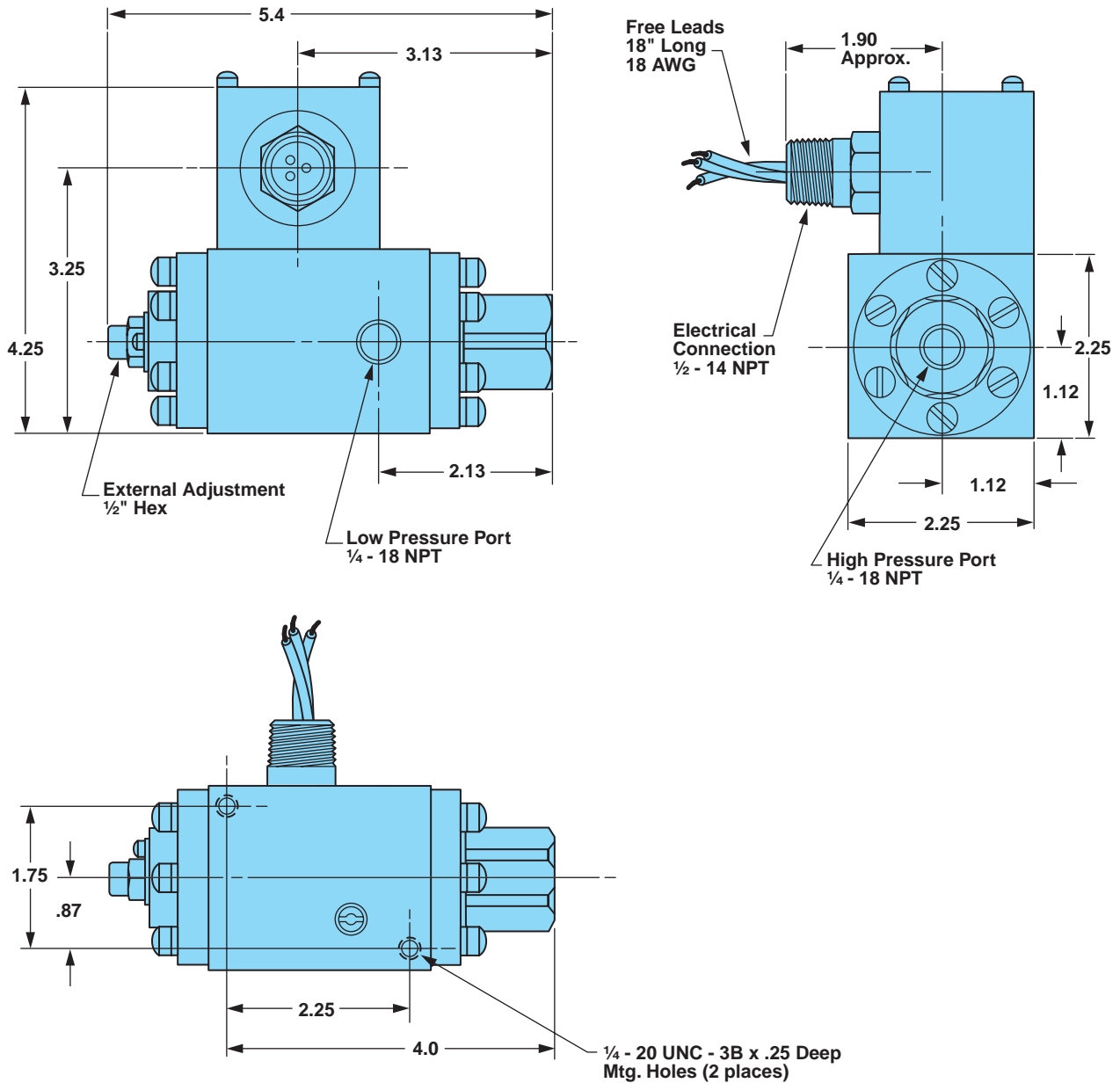
Ordering Procedure

- 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

