

Neo-Dyn® Series 140P Pressure Switch/Internal Adjustment

Compact, adjustable pressure switch for machine tool use. Low cost pressure switch used on a variety of pneumatic applications. Stripped for panel mount or housed for direct machine mount. Features efficient Nega-Rate® Belleville disc spring which ensures precise set point stability and vibration resistance.

Operating Pressure Data

Adjustable Range Number	Adjustable Set Point Range		Deadband (approximate)	Maximum Recommended System Pressure	Proof Pressure
	Increasing	Decreasing			
0	4" to 28" Hg vac.	2" to 26" Hg vac.	2" Hg	250	375
1	1.5 to 20	0.5 to 19	1	2000	3000
2	6 to 110	2 to 106	4	2000	3000
3	20 to 170	9 to 159	11	2000	3000
4	50 to 400	25 to 365	25	2000	3000
5	70 to 700	25 to 655	45	2000	3000
6	200 to 1500	70 to 1370	130	2000	3000
7	500 to 1900	350 to 1750	150	2000	3000

All values given in psig.

Standard Specifications

Electrical

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

Electrical Connection

½" - 14 NPT female conduit connection with terminal block

Pressure Connection

¼" - 18 NPT Female

Temperature Range*

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

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

*Temperature limits change with O-Ring selection

Adjustment

Concealed wrench flat adjustment and range scale

Shipping Weight

Approximately 1.25 pounds



Weather Proof
(NEMA 4 and 13)

Ordering Sequence — Select desired option for each category

OPTIONS

Wetted Material

- 1 Aluminum port, Buna-N diaphragm (polyimide diaphragm with Buna-N O-Ring for adjustable range "0" only)

Adjustable Range

- 0 2" Hg dec. to 28" Hg inc. vac. (0.1 bar dec. to 0.9 bar inc. vac.)
 1 0.5 psig dec. to 20 psig inc. (.034 bar dec. to 1.4 bar inc.)
 2 2 psig dec. to 110 psig inc. (.14 bar dec. to 7.6 bar inc.)
 3 9 psig dec. to 170 psig inc. (0.6 bar dec. to 11.7 bar inc.)
 4 25 psig dec. to 400 psig inc. (1.7 bar dec. to 27.5 bar inc.)
 5 25 psig dec. to 700 psig inc. (1.7 bar dec. to 48.3 bar inc.)
 6 70 psig dec. to 1500 psig inc. (4.8 bar dec. to 103.4 bar inc.)
 7 350 psig dec. to 1900 psig inc. (24.1 bar dec. to 131.0 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
 Z 11 amps and ¼ hp 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC; .5 amps resistive 125 VDC

Enclosure

- 1 Stripped form — no housing included
 3 Meets or exceeds the requirements of NEMA Type 1, 2, 4 and 13

Miscellaneous

- B Viton diaphragm (Except Range 0)
 C EPR diaphragm (Except Range 0)
 L Neon light indicator — 115 VAC
 P 5-Pin Brad Harrison connector (Reduce AC electrical rating to 8 amps) (Not for CC3 Electrical)
 T Safety chained cover

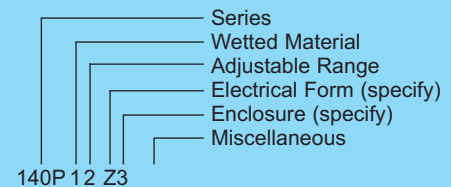
Special (Consult representative or factory)

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

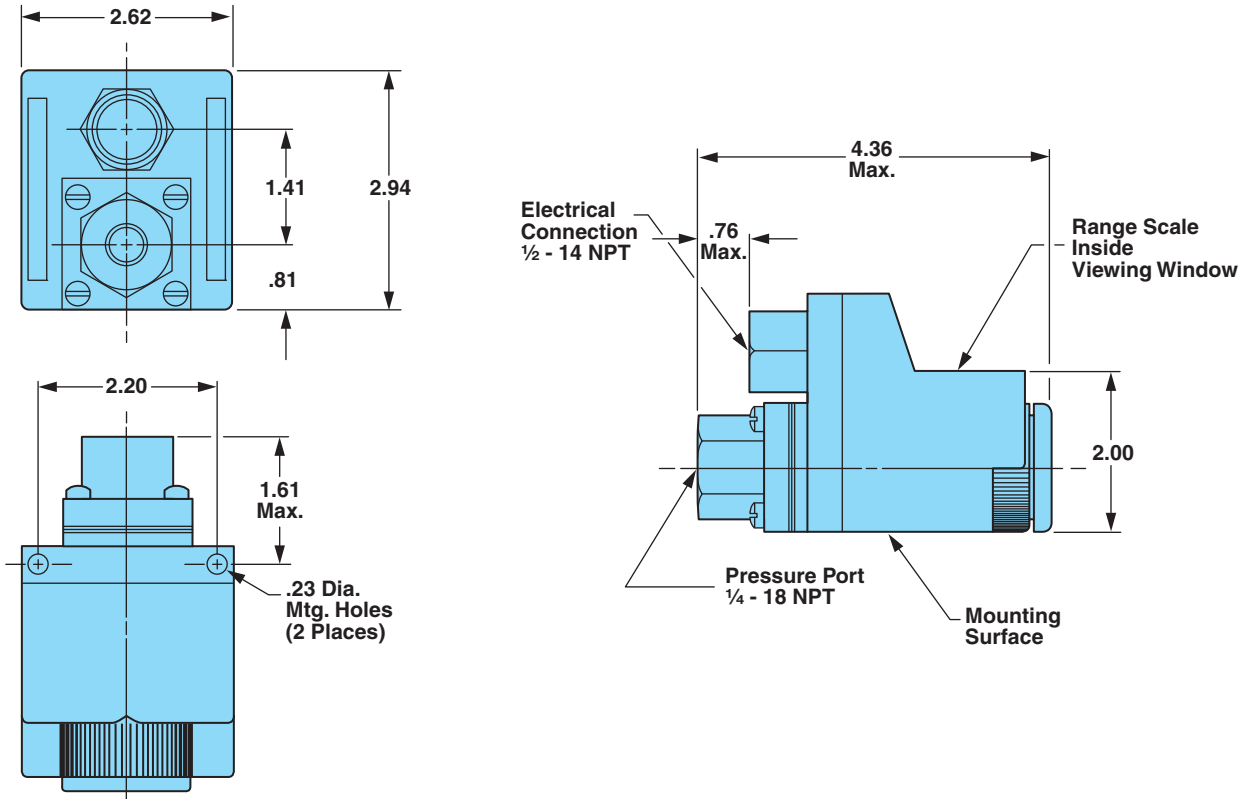
Ordering Procedure

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

Example

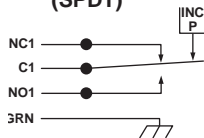


Envelope Dimensions

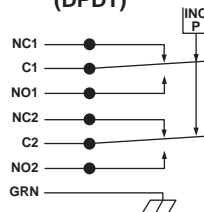


Electrical Form

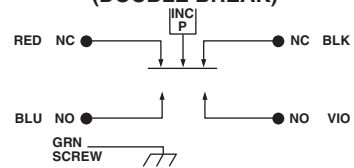
FORM "C"
(SPDT)



FORM "CC"
(DPDT)



FORM "Z"
(DOUBLE BREAK)



Basic Principles of Design

