



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

## DESCRIPTION

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

## 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

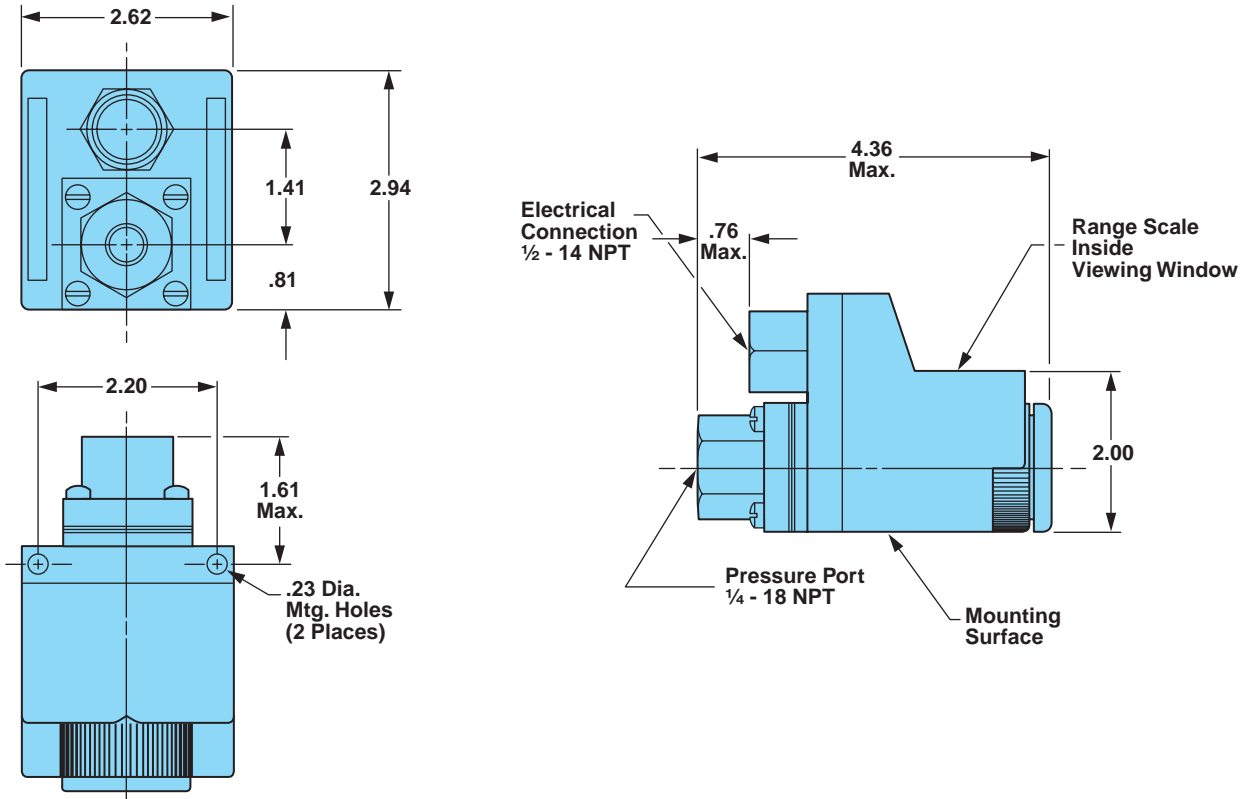
■ Insert available option number or letter designation as required

## Example

Series  
 Wetted Material  
 Adjustable Range  
 Electrical Form (specify)  
 Enclosure (specify)  
 Miscellaneous

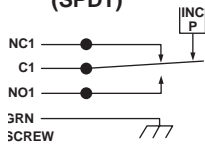
140P 12 Z3

**Envelope Dimensions**

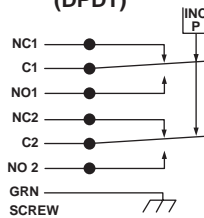


**Electrical Form**

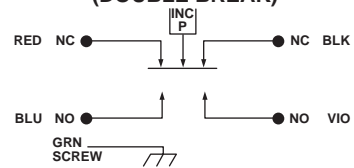
**FORM "C"  
(SPDT)**



**FORM "CC"  
(DPDT)**



**FORM "Z"  
(DOUBLE BREAK)**



**Basic Principles of Design**

