

DESCRIPTION

Compact, adjustable pressure switch for low to mid-range process applications. Efficient Nega-Rate® Belleville disc spring for set point stability and vibration resistance. Wide selection of wetted materials with stainless steel body and interior plus hermetically sealed, explosion-proof electrical make this switch ideal for chemical process applications.

Operating Pressure Data											
Adjustable Range	Adjustable Se	t Point Range	Deadband	Maximum Recommended	Proof						
Number	Increasing	Decreasing	(approximate)	System Pressure	Pressure						
2	3 to 30	1 to 28	2	1350	2000						
4	20 to 80	15 to 75	5	1350	2000						
5	50 to 250	30 to 230	20	5000	7500						
6	200 to 400	175 to 375	25	5000	7500						
7	375 to 725	330 to 680	45	5000	7500						
8	700 to 1500	620 to 1420	80	6500	7500						
9	1500 to 2300	1400 to 2200	100	6500	7500						

All values given in psig.

Standard Specifications

Electrical

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

Electrical Connection

1/2" - 14 NPT male conduit connection with PVC insulated 18 AWG leads 18" long

Pressure Connection

1/2" - 14 NPT Female

Temperature Range*

Ambient: -40°F to +180°F

(-40°C to +82°C)

Media: -40°F to +250°F

 $(-40^{\circ}C \text{ to } + 121^{\circ}C)$

*Temperature limits change with O-Ring selection

Adjustment

Internal, slotted adjustment nut with range scale

Shipping Weight

Approximately 2 pounds

Ordering Sequence — Select desired option for each category

OPTIONS

Adjustable Range

2	1 psig dec. 1	to	30 psig inc.	(0.1 bar dec. to	2.1 bar inc.)
4	15 psig dec. 1	to	80 psig inc.	(1.0 bar dec. to	5.5 bar inc.()
5	30 psig dec. 1	to	250 psig inc.	(2.1 bar dec. to	17.2 bar inc.)
6	175 psig dec. 1	to	400 psig inc.	(12.1 bar dec. to	27.6 bar inc.)
7	330 psig dec. 1	to	725 psig inc.	(22.8 bar dec. to	50.0 bar inc.)
8	620 psig dec. 1	to	1500 psig inc.	(42.7 bar dec. to	103.4 bar inc.)
9	1400 psig dec. 1	to	2300 psig inc.	(96.5 bar dec. to	158.6 bar inc.)

Electrical Form

- 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

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

- 3/4" Conduit box with terminal strip
- Gold electrical contacts for extremely low current applications
- CENELEC approval 72" Electrical free leads

Port Material

4	316 Stainless Steel	8	Monel
5	316 Stainless Steel — welded diaphragm (add 40)	9	Monel — welded Inconel
7	Hastelloy C — welded Hastelloy diaphragm (add 70)		diaphragm (add 90)
	phragm		'

Polyimide

Hastelloy C 316 Stainless Steel Inconel 6 Tantalum

Internal O-Rings

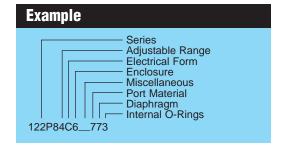
EPR None Required 5 Kalrez Buna-N

Special (Consult representative or factory)

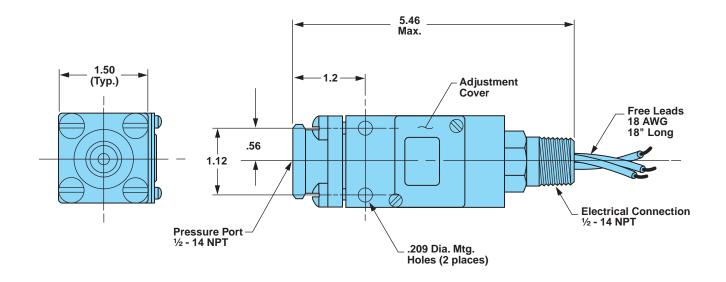
Non-catalog adjustable range and/or set point and deadband

Ordering Procedure

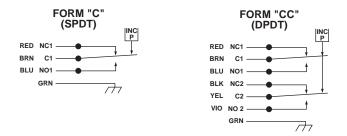
- When factory presetting is desired, stipulate set point, increasing or decreasing
- Insert available option number or letter designation as required



Envelope Dimensions



Electrical Form



Basic Principles of Design

