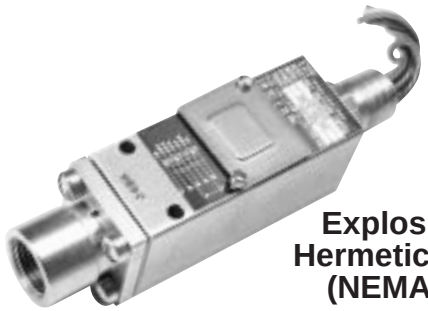
Neo-Dyn® Series 132P Pressure Switch/Internal Adjustment



Explosion Proof Hermetically Sealed (NEMA 7 and 9)

DESCRIPTION

Compact, adjustable pressure switch for high pressure pneumatic process applications. Nega-Rate® Belleville disc spring for set point stability and vibration resistance. Stainless steel wetted materials and hermetically sealed, explosion-proof electricals make this switch ideally suited for hazardous and corrosive media or environments.

Operating Pressure Data

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

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 +250°F
(-40°C to +121°C)

* Temperature limits change with O-Ring selection

Adjustment

Internal, slotted adjustment nut with range scale

Shipping Weight

Approximately 20 ounces

Ordering Sequence — Select desired option for each category

OPTIONS

Wetted Material
4 316 stainless steel port and diaphragm, Buna-N O-Ring
5 316 stainless steel port and diaphragm heliarc welded

Adjustable Range

8	1 psig dec.	to	30 psig inc.	*(0.1 bar dec.*	*to*	*2.1 bar inc.)*
9	15 psig dec.	to	80 psig inc.	*(1.0 bar dec.*	*to*	*5.5 bar inc.)*
1	30 psig dec.	to	250 psig inc.	*(2.1 bar dec.*	*to*	*17.2 bar inc.)*
2	175 psig dec.	to	400 psig inc.	*(12.1 bar dec.*	*to*	*27.6 bar inc.)*
4	330 psig dec.	to	725 psig inc.	*(22.8 bar dec.*	*to*	*50.0 bar inc.)*
6	620 psig dec.	to	1500 psig inc.	*(42.7 bar dec.*	*to*	*103.4 bar inc.)*
7	1400 psig dec.	to	2300 psig inc.	*(96.5 bar dec.*	*to*	*158.6 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
E 7/16" - 20 SAE Port
G ½" - 14 NPT Female Port
H Stainless steel body
I ¾" Conduit box with terminal strip
J Annealed stainless steel port screws for H_2S environments — Consult factory for reduced system and proof pressure ratings
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

Ordering Procedure

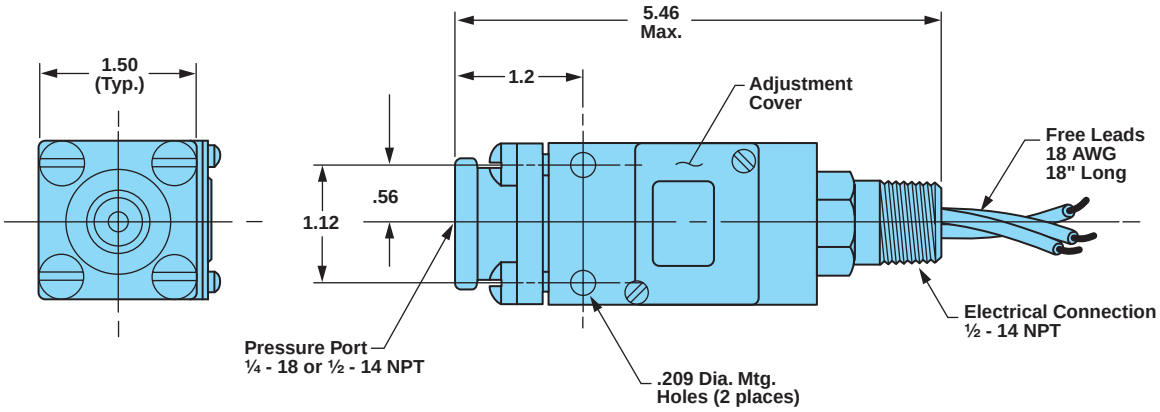
- When factory presetting is desired, stipulate set point, increasing or decreasing
- Insert available option number or letter designation as required

Example

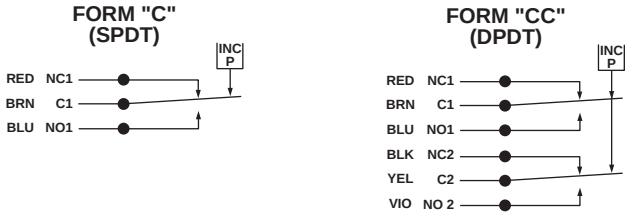
132P 4 2 CC 6 __

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

Envelope Dimensions



Electrical Form



Basic Principles of Design