

Series 200P Pressure Switch/Internal Adjustment

Versatile Nega-Rate® Belleville disc spring pressure switch for a wide range of applications. Series 200P (piston sensor) for hydraulic applications up to 10000 psig system pressure.

Operating Pressure Data

Adjustable Range Number	Adjustable Set Point Range		Deadband [†] (approximate)		Maximum Recommended System Pressure	Proof Pressure
	Increasing	Decreasing	Min.	Max.		
2	20 to 220	14 to 202	6	18	3000	4500
3	200 to 1500	150 to 1275	50	225	7500	10000
6	500 to 3000	375 to 2700	125	300	7500	10000
8	1000 to 10000	800 to 9000	200	1000	10000*	15000**

All values given in psig.

[†]The deadband increases as the adjustable set point is increased.

*Diminished safety factor equal to approximately 2:1.

**Diminished safety factor equal to approximately 1.3:1.

Standard Specifications

Electrical

Snap action electrical switch recognized by Underwriters' Laboratories, Inc. and CSA International

Electrical Connection

1/2 NPT female conduit connection with terminal block

Pressure Connection

Wetted Material 1
1/4 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

Concealed wrench flat adjustment with range scale

Shipping Weight

Approximately 3 pounds



Order Miscellaneous Option "D"



Weather Proof (NEMA 4 and 13)

Ordering Sequence — Select desired option for each category

OPTIONS

Wetted Material

1 Aluminum port and piston, Teflon seal and Buna-N O-Ring

Adjustable Range

2 14 psig dec. to 220 psig inc. (1.0 bar dec. to 15.2 bar inc.)
 3 150 psig dec. to 1500 psig inc. (10.3 bar dec. to 103.4 bar inc.)
 6 375 psig dec. to 3000 psig inc. (25.9 bar dec. to 206.9 bar inc.)
 8 800 psig dec. to 10000 psig inc. (55.2 bar dec. to 689.5 bar inc.)

Electrical Form

C 15 amp at 125 or 250 VAC; 1/8 hp at 125 VAC; 1/4 hp at 250 VAC;
 .5 amp resistive, .04 amp inductive at 125 VDC
 CC 11 amp, 1/4 hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC;
 .5 amp resistive at 125 VDC
 Z 15 amp at 125 or 250 VAC; 1/4 hp at 125 VAC; 1/2 hp at 250 VAC; 1 amp resistive,
 .5 amp inductive at 125 VDC

Enclosure

3 Meets or exceeds the requirements of NEMA Type 3, 3R, 3S, 4, 4X and 13, IP65

Miscellaneous

A Epoxy paint exterior — extra protection for severe environments
 B Viton O-Ring
 C EPR O-Ring
 D SIL approval and marking, per IEC61508 (includes FMEA report)
 E 7/16" - 20 SAE port
 L Neon indicator light — 115 VAC
 M Gold electrical contacts for extremely low current applications (Not with Z Form)
 P 5-Pin Brad Harrison connector (Reduce AC electrical rating to 8 amps)
 — (Not for CC3 Electrical)
 U M20 x 1.5 Electrical Conduit Adapter
 W Stainless steel screws — exterior
 X UL and CSA Certified with CE Mark (Not available with L or P option)

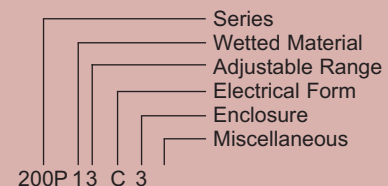
Special (Consult representative or factory)

- Non-catalog adjustable range and/or set point, deadband and proof pressure
- Operating temperature capability from -65°F to +400°F
- Manual reset — decreasing only (available in C3 only)

Ordering Procedure

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

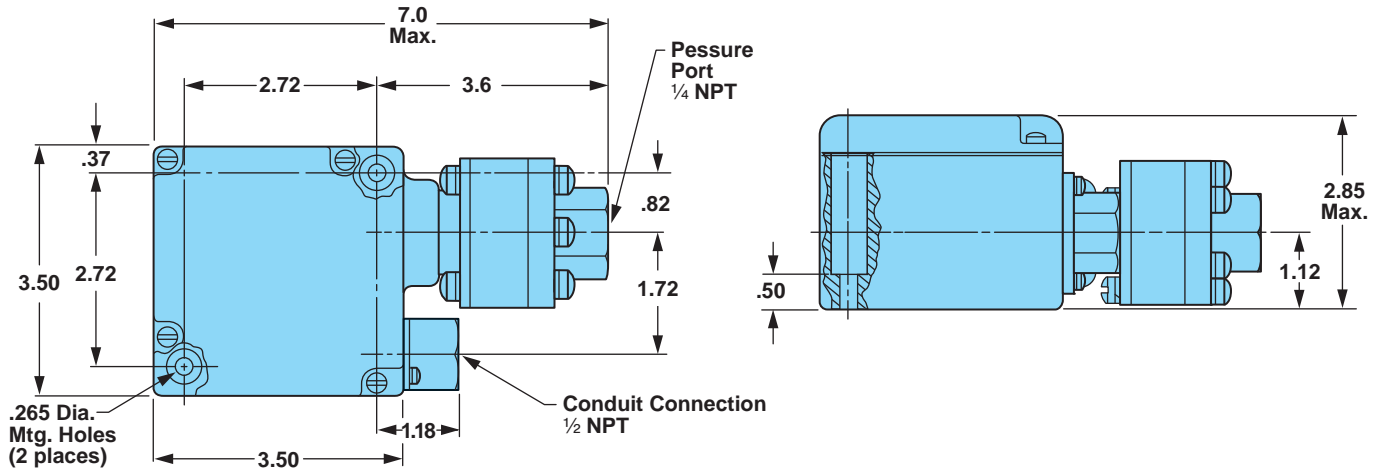
Example



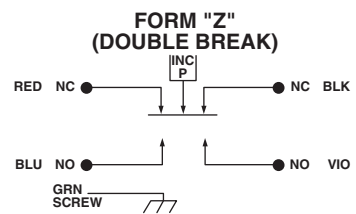
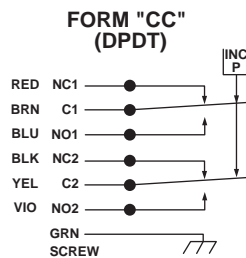
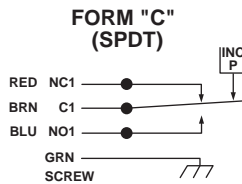
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Field Adjustable
14 to 10000 psig

Envelope Dimensions



Electrical Form



Basic Principles of Design

