

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

### DESCRIPTION

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 listed by Underwriters' Laboratories, Inc. and CSA Testing Laboratories

#### Electrical Connection

½" - 14 NPT female conduit connection with terminal block

#### Pressure Connection

Wetted Material 1

¼" - 18 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

### 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 amps 125, 250 or 480 VAC; 2 amps 600 VAC; ½ hp 125 VAC; ¼ hp 250 VAC; .5 amps resistive, .04 amps inductive 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 15 amps 125 or 480 VAC; ¼ hp 125 VAC; ½ hp 250 VAC; 1 amp resistive, .5 amps inductive 125 VDC

##### Enclosure

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

##### Miscellaneous

A Epoxy paint exterior — extra protection for severe environments

B Viton O-Ring — refer to Wetted Material

C EPR O-Ring — refer to Wetted Material

E ¾" - 20 SAE port (Except Range 1)

L Neon indicator light — 115 VAC

M Gold electrical contacts for extremely low current applications

P 5-Pin Brad Harrison connector (Reduce AC electrical rating to 8 amps) — (Not for CC3 Electrical)

W Stainless steel screws — exterior (Standard with Wetted Materials 4,5 and 9)

X CSA Certified (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

■ Chemical seals installed

■ Manual reset — decreasing only (available in C3 only)

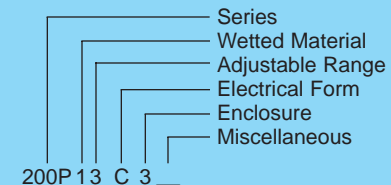
■ 10 amps 125 VDC electrical rating

### Ordering Procedure

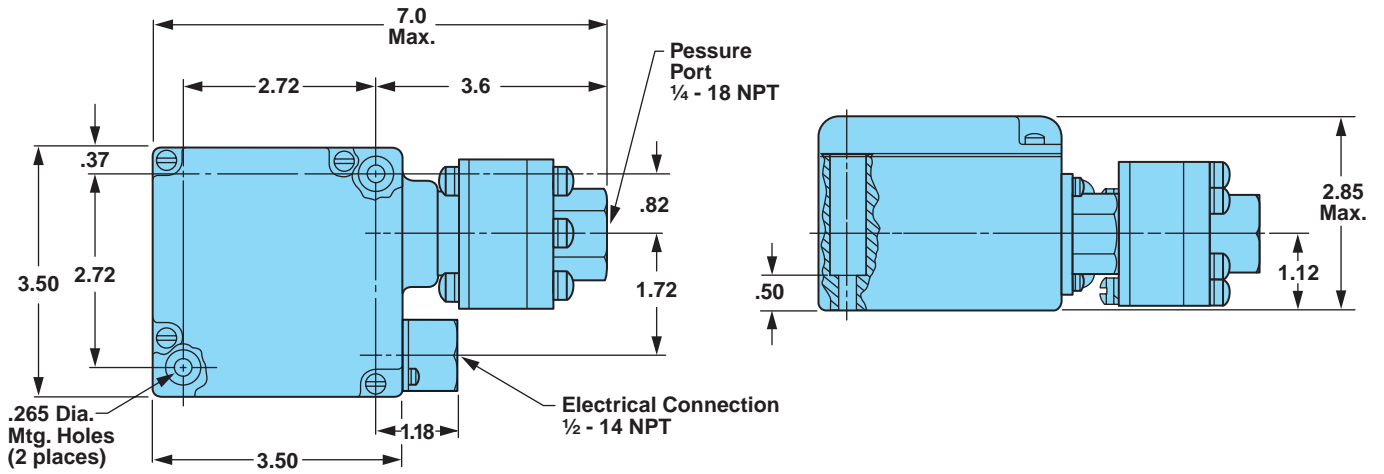
■ When factory presetting is desired, stipulate set point, increasing or decreasing

■ Insert available option number or letter designation as required

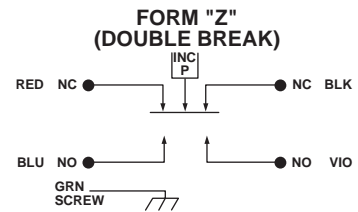
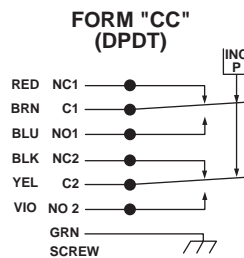
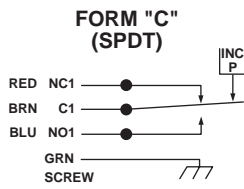
### Example



Envelope Dimensions



Electrical Form



Basic Principles of Design

