

## Neo-Dyn® Series 130P Pressure Switch/Tamper Resistant

Compact, versatile pressure switch well suited for hazardous or corrosive atmospheres. For low to mid-range pressure applications. Features efficient Nega-Rate® Belleville disc spring for superior set point stability and is field adjustable using 1/8" allen wrench through the port. Once adjustments are made and the switch is installed, it becomes tamper proof.

### Operating Pressure Data

Adjustable Range Number	Adjustable Set Point Range		Deadband (approximate)	Maximum Recommended System Pressure	Proof Pressure
	Increasing	Decreasing			
1	2 to 12	1 to 11	1	600	1000
2	10 to 30	7 to 27	3	600	1000
3	30 to 50	25 to 45	5	600	1000
4	50 to 70	44 to 64	6	600	1000
5	70 to 120	60 to 110	10	600	1000
6	120 to 170	105 to 155	15	600	1000

All values given in psig.

### Standard Specifications

#### Electrical

Snap action electrical switch assemblies, Part Numbers 057-0770 & 057-0772 (Form C) and 057-0771 & 057-0773 (Form CC), are listed by Underwriters' Laboratories, Inc., FM Approvals, CSA International and NCC (INMETRO). See the miscellaneous option N for additional listings.

#### Electrical Connection

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

#### Pressure Connection

1/4 NPT Male

#### 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. See Electrical Assembly specification sheet for Temperature Class Ratings.

#### Adjustment

1/8" allen wrench through port

#### Shipping Weight

Approximately 16 ounces



Order Miscellaneous Option "D"



Explosion Proof  
Hermetically Sealed  
(NEMA 4X, 7, 9 and 13)

### Ordering Sequence — Select desired option for each category

#### OPTIONS

##### Wetted Material

- 1 Aluminum port, Teflon coated polyimide diaphragm, Buna-N O-Ring
- 4 316 stainless steel port, Teflon coated polyimide diaphragm, Buna-N O-Ring

##### Adjustable Range

- 1 1 psig dec. to 12 psig inc. (0.1 bar dec. to 0.8 bar inc.)
- 2 7 psig dec. to 30 psig inc. (0.5 bar dec. to 2.1 bar inc.)
- 3 25 psig dec. to 50 psig inc. (1.7 bar dec. to 3.4 bar inc.)
- 4 44 psig dec. to 70 psig inc. (3.0 bar dec. to 4.8 bar inc.)
- 5 60 psig dec. to 120 psig inc. (4.1 bar dec. to 8.3 bar inc.)
- 6 105 psig dec. to 170 psig inc. (7.2 bar dec. to 11.7 bar inc.)

##### Electrical Form

- C 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
- 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

##### Enclosure

- 6 Includes an explosion proof, hermetically-sealed electrical assembly. EX d IIC. Division 1 and 2, Class I, Groups A, B, C, and D; Class II, Groups E, F, and G. NEMA 4X, 7, and 9; IP66. Leads are factory sealed and Pressure Switches are Dual Seal Certified.

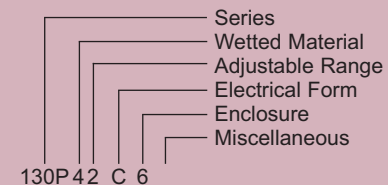
##### Miscellaneous

- 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)
- H 316 Stainless steel body
- I 3/4 NPT conduit box with terminal strip (Groups C & D only, not available with N option)
- M Gold electrical contacts for extremely low current applications (1 Amp at 125 VAC; 1 Amp Res, 0.5 Amp Ind. at 28 VDC)
- N ATEX and IECEx with CE Mark
- R 72" Electrical free leads
- S Stainless steel diaphragm — (Wetted Material 4 only)

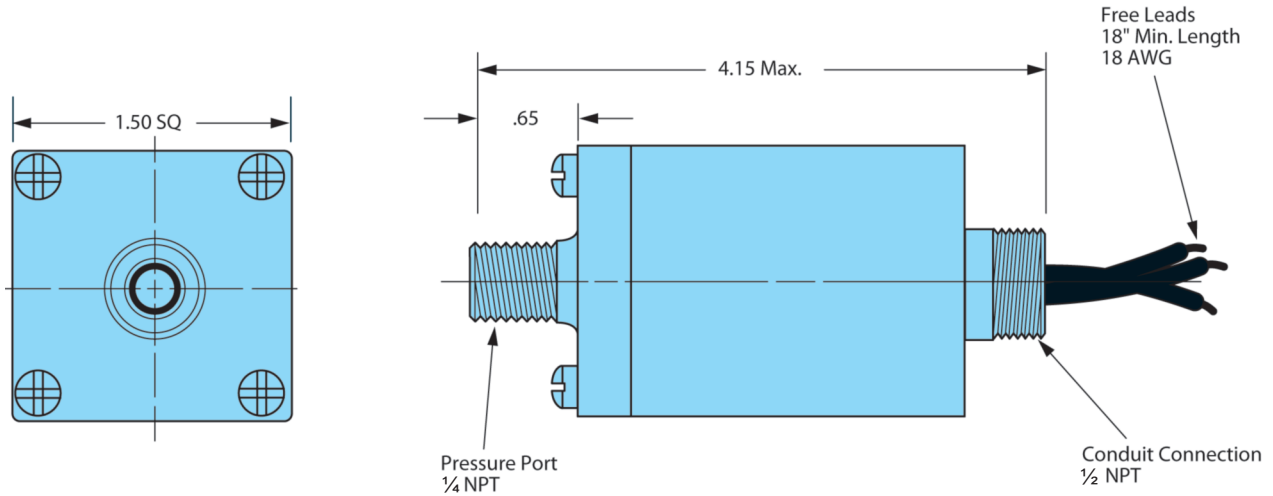
### Ordering Procedure

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

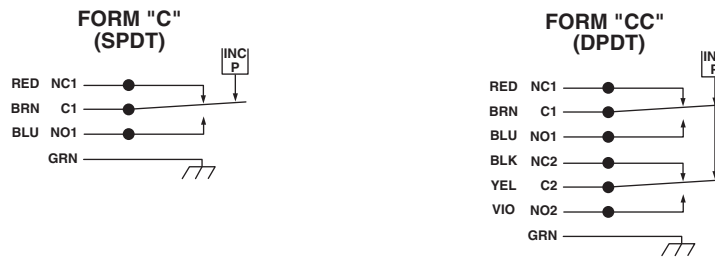
### Example



Envelope Dimensions



Electrical Form



Basic Principles of Design

