

# Neo-Dyn® Series 115P/115PP Pressure Switch/Tamper Proof



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

### DESCRIPTION

Compact, versatile pressure switch with built to order set points. This easy to install switch features the efficient Nega-Rate® Belleville disc spring for the set and forget application.

### Operating Pressure Data

Series	Fixed Set Point Range		Maximum Recommended System Pressure	Proof Pressure
	Increasing	Decreasing		
115P	2 to 70	1.5 to 64	Up to 600	Up to 1000
115PP	71 to 250	65 to 220	Up to 600	Up to 1000

All values given in psig.

### Standard Specifications

#### Deadband (Differential)

The deadband can be selected anywhere from 1.5 psig or 8% (whichever is greater) to 45% of the set point

#### Electrical

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

#### Electrical Connection

½ NPT male conduit connection with PVC insulated 18 AWG, 18" long leads

#### Pressure Connection

¼ 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.

#### Shipping Weight

Approximately 14 ounces

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

#### OPTIONS

##### Set Points

**115P** between 1.5 psig dec. and 70 psig inc. (.10 bar dec. and 4.8 bar inc.)  
**115PP** between 65 psig dec. and 250 psig inc. (4.5 bar dec. and 17 bar inc.)

##### Wetted Material

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

##### Electrical Form

**C** 11 amp, ¼ hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC;  
 .5 amp resistive at 125 VDC  
**CC** 11 amp, ¼ hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive at 28 VDC;  
 .5 amp resistive at 125 VDC

##### Enclosure

**6** Explosion proof, hermetically-sealed electrical assembly, leads factory sealed, P/N 057-0770 (C Form) and P/N 057-0771 (CC Form); **Underwriters' Laboratories, Inc.** listed (File E56677), **CSA International** certified (File LR34146), and **Factory Mutual** Approved (File J.I.1R5A9.AE) for Division 1 and 2; Class I, Groups A, B, C and D; Class II, Groups E, F and G Hazardous Locations (NEMA Type 7 and 9).

##### 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  
**H** Stainless steel housing  
**I** ¾ NPT conduit box with terminal strip (Groups C & D only)  
**M** Gold electrical contacts for extremely low current applications  
**N** ATEX approval  
**R** 72" Electrical free leads  
**S** Stainless steel diaphragm (wetted material 4 only)  
**W** Stainless steel screws (automatically furnished with Miscellaneous Option A and Wetted Material 4)

#### Special (Consult representative or factory)

- Pressure port per AS4395E04
- Electrical connection per MS33678-10SL-3P

### Ordering Procedure

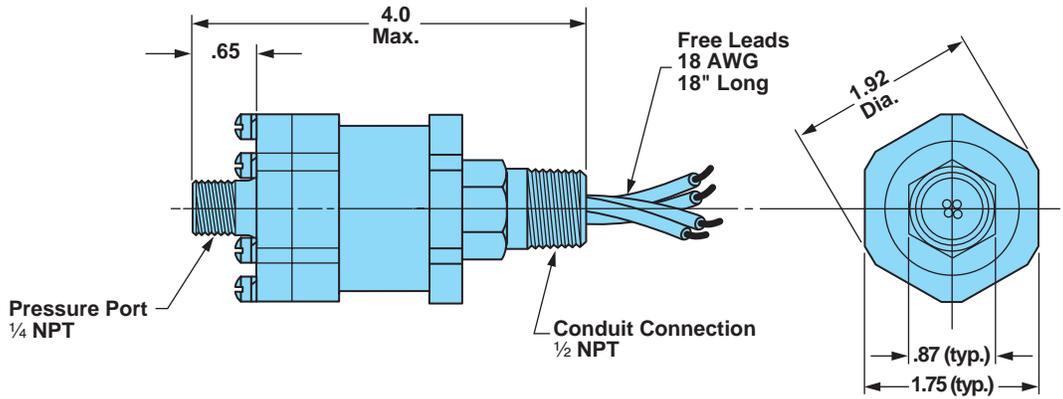
- Specify set point, increasing or decreasing
- Specify deadband if pertinent
- Specify system pressure
- Specify proof pressure
- Specify media
- Insert available option as required

### Example

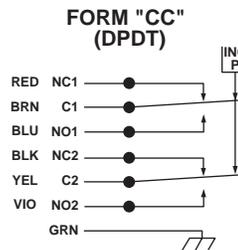
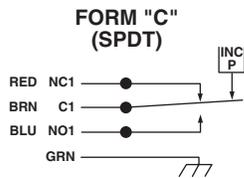
115PP 1 CC 6 \_ \_ \_

Series  
 Wetted Material  
 Electrical Form  
 Enclosure  
 Miscellaneous  
 Customer Identification Number (numerically assigned by factory)

**Envelope Dimensions**



**Electrical Form**



**Basic Principles of Design**

