



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

## DESCRIPTION

Compact, versatile pressure switch with built to order set points. This easy to install switch features the 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 .5 psig or 8% (whichever is greater) to 45% of the set point

### Electrical

Snap action electrical switch listed by Underwriters' Laboratories, Inc. 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 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

### Shipping Weight

Approximately 6 ounces

## Ordering Sequence — Select desired option for each category

### OPTIONS

#### 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 5 amps 125, 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC
- CC 5 amps 125, 250 VAC; 5 amps resistive, 3 amps inductive 28 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
- M Gold electrical contacts for extremely low current applications
- R 72" Electrical free leads
- S Stainless steel diaphragm (Wetted Material 4 only)
- W Stainless steel screws — exterior (automatically furnished with Miscellaneous Option A and Wetted Material 4)
- X CSA Certified

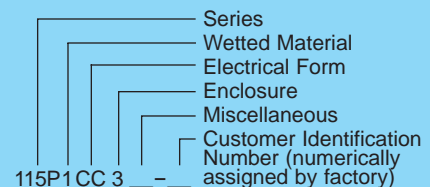
#### Special (Consult representative or factory)

- Pressure port per MS33656E4
- Electrical connection per MS33678-10SL-3P
- Non-catalog set point, deadband and/or proof pressure
- 11 amp 125/250 VAC electrical rating
- Operating temperature capability from -65°F to +350°F

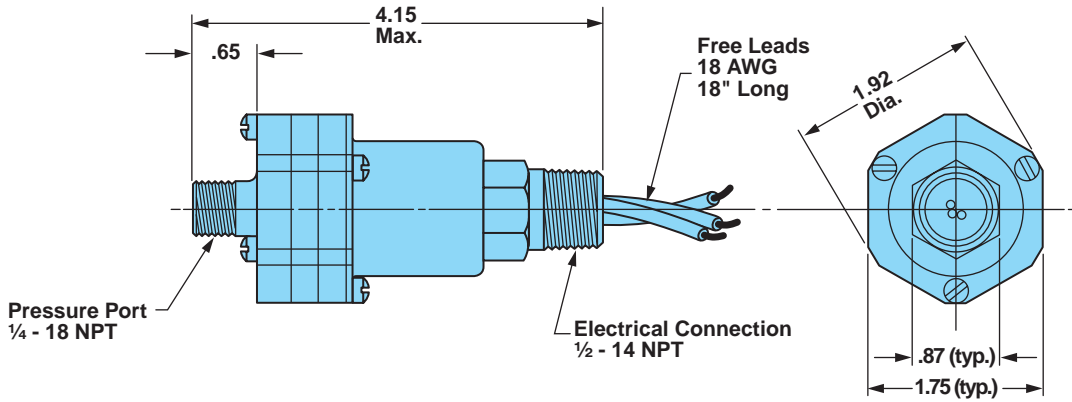
## Ordering Procedure

- Specify set point, increasing or decreasing
- Specify deadband if pertinent and if not, specify as 'open'
- Specify system pressure
- Specify proof pressure
- Specify media
- Insert available option as required

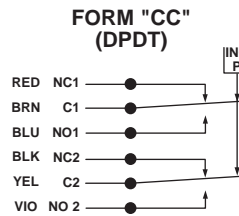
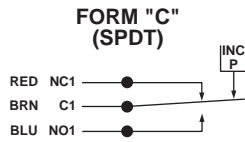
## Example



**Envelope Dimensions**



**Electrical Form**



**Basic Principles of Design**

