

# Neo-Dyn® Series 185P Vacuum Switch

Compact, tamper proof vacuum switch. Has efficient Nega-Rate® Belleville disc spring sensing mechanism. Easy to install.

## Operating Pressure Data

Fixed Set Point Range		Maximum Recommended System Pressure	Proof Pressure
Increasing	Decreasing		
3 to 25" Hg	2 to 21" Hg	150	250

All values given in psig.

## Standard Specifications

### Deadband (Differential)

The deadband is 1" Hg or 15% (whichever is greater) of the set point.

### Electrical

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

### 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: -30°F to +160°F  
(-34°C to +71°C)

Media: -30°F to +160°F  
(-34°C to +71°C)

### Shipping Weight

Approximately 6 ounces

## Ordering Sequence — Select desired option for each category

### OPTIONS

#### Wetted Material

- 1 Aluminum port, Teflon coated polyimide diaphragm, Buna-N O-Ring

#### Electrical Form

- C 5 amps and 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC  
CC 5 amps and 125 or 250 VAC; 5 amps resistive, 3 amps inductive 28 VDC

#### Enclosure

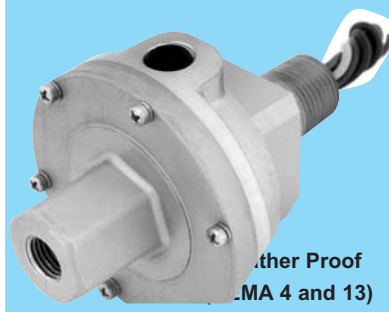
- 3 Meets or exceeds the requirements of NEMA Type 3, 3R, 3S, 4, 4X and 13

#### Miscellaneous

- A Epoxy paint exterior — extra protection for severe environments  
B Viton O-Ring  
C EPR O-Ring  
M Gold electrical contacts for extremely low current applications  
R 72" Electrical free leads

#### Special (Consult representative or factory)

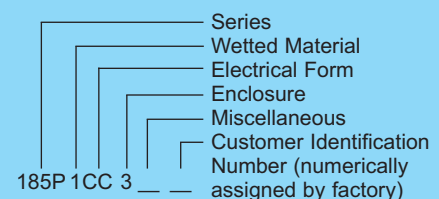
- Electrical connection per MS33678-10SL-3P
- Non-catalog set point, deadband and/or proof pressure
- 11 amps 125/250 VAC electrical rating
- Operating temperature capability from -65°F to +350°F
- Brass port, Teflon coated polyimide diaphragm and EPR O-Ring



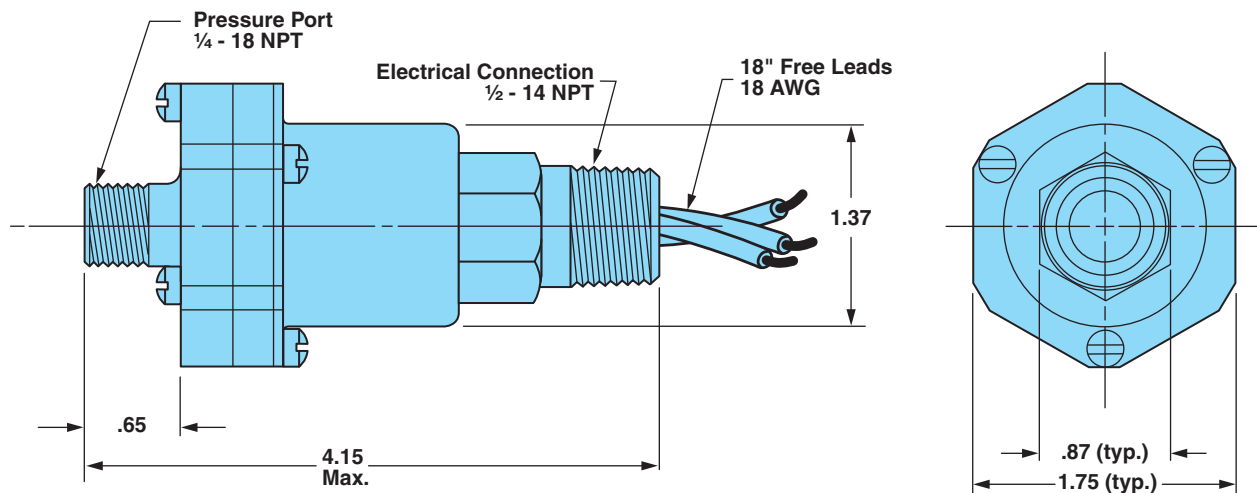
## Ordering Procedure

- Specify set point, increasing or decreasing
- Specify media
- Insert available option number or letter designation as required

## Example



**Envelope Dimensions**



**Electrical Form**



**Basic Principles of Design**

