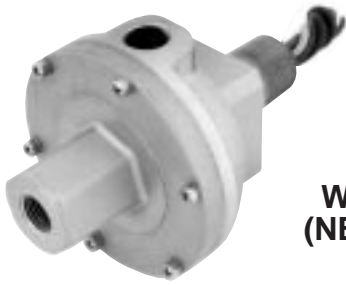


# Neo-Dyn® Series 184P Vacuum Switch



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

## DESCRIPTION

Sensitive, compact, factory set/tamper proof vacuum switch. Has efficient Nega-Rate® Belleville disc spring sensing mechanism.

## Operating Pressure Data

| Fixed Set Point Range                       |   | Maximum Recommended System Pressure | Proof Pressure |
|---|---|-------------------------------------|----------------|
| Increasing                                  | Decreasing                                  |                                     |                |
| 6" H <sub>2</sub> O to 60" H <sub>2</sub> O | 3" H <sub>2</sub> O to 55" H <sub>2</sub> O | 100                                 | 150            |

All values given in psig.

## Standard Specifications

### Deadband (Differential)

The deadband can be selected anywhere from 3" H<sub>2</sub>O or 8% (whichever is greater) to 45% 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 Female

### 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 16 ounces

## Ordering Sequence — Select desired option for each category

### OPTIONS

#### Wetted Material

1 Aluminum and stainless steel, 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

Note: For dry air or inert gas media only

#### 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)

- Pressure port per MS33649-04
- Electrical connection per MS33678-10SL-3P
- Non-catalog set point, deadband and/or proof pressure
- Operating temperature capability from -65°F to +350°F

## Ordering Procedure

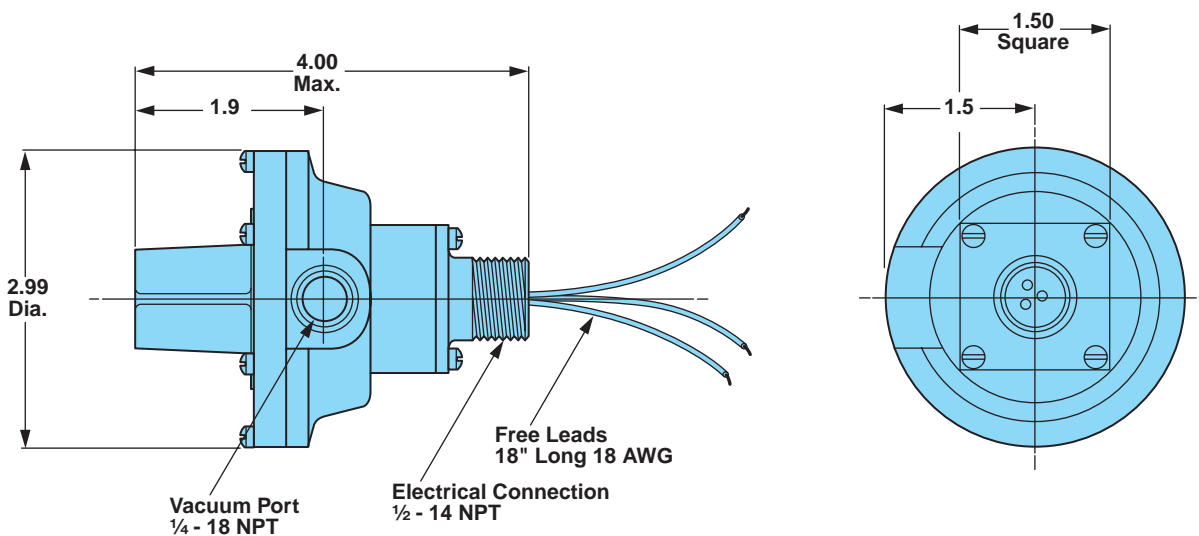
- Specify set point, increasing or decreasing
- Specify deadband if pertinent and if not, specify as 'open'
- Specify system pressure
- Specify proof pressure
- Specify media
- Insert available option number or letter designation as required

## Example

184P 1CC 3 — — — — —

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

**Envelope Dimensions**



**Electrical Form**



**Basic Principles of Design**

