Neo-Dyn® Series 160P Differential Pressure Switch

Mid-range, adjustable differential pressure switch. Efficient Nega-Rate® Belleville disc spring sensing mechanism. Weather proof enclosure and stable set points during system pressure changes makes this switch ideal for a wide variety of applications.

Operating Pressure Data

<table>
<thead>
<tr>
<th>Adjustable Range Number</th>
<th>Adjustable Set Point Range</th>
<th>Deadband (approximate)</th>
<th>Maximum Recommended System Pressure</th>
<th>Proof Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Increasing</td>
<td>Decreasing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>1.1 to 15</td>
<td>.75 to 14.65</td>
<td>.35</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>1.5 to 18</td>
<td>.3 to 16.8</td>
<td>1.2</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>5 to 60</td>
<td>2 to 57</td>
<td>3</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>55 to 110</td>
<td>49 to 104</td>
<td>6</td>
<td>500</td>
</tr>
</tbody>
</table>

*Temperature limits change with O-Ring selection

Standard Specifications

**Electrical**

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

**Electrical Connection**

1/2 NPT female conduit connection with terminal block

**Pressure Connections**

1/4 NPT Female

**Temperature Range**

Ambient: -40°F to +180°F (-40°C to +82°C)

Media: -40°F to +250°F (-40°C to +121°C)

Adjustment

Concealed wrench flat adjustment with range scale

Shipping Weight

Approximately 3.5 pounds

ORDERING SEQUENCE — Select desired option for each category

**OPTIONS**

**Wetted Material**

1. Aluminum port and body, Teflon coated polyimide diaphragm, Buna-N O-Rings and stainless steel

4. Stainless steel, Teflon coated polyimide diaphragm and Buna-N O-Rings

**Adjustable Range**

2. .75 psid dec. to 15 psid inc. (0.1 bar dec. to 1.0 bar inc.)

4. .3 psid dec. to 18 psid inc. (0.0 bar dec. to 1.2 bar inc.)

6. 2 psid dec. to 60 psid inc. (0.1 bar dec. to 4.1 bar inc.)

7. 49 psid dec. to 110 psid inc. (3.4 bar dec. to 7.6 bar inc.)

**Electrical Form**

C. 15 amp at 125 or 250 VAC; 1/8 hp at 125 VAC; 1/4 hp at 250 VAC; .5 amp resistive, .04 amp inductive at 125 VDC

CC. 11 amp, 1/4 hp at 125 or 250 VAC; 5 amp resistive, 3 amp inductive 28 at VDC; .5 amp resistive at 125 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

D. SIL approval and marking, per IEC61508 (includes FMEA report)

L. Neon indicator light — 115 VAC

M. Gold electrical contacts for extremely low current applications

S. Stainless steel diaphragm — No low over high capability (Ranges 2 & 4 and Wetted Material 4 only)

X. CE Mark

Order Miscellaneous Option “D”

Ordering Procedure

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

Example

160P 14 C 3