Neo-Dyn® Series 110P Pressure Switch/Internal Adjustment

Sensitive Nega-Rate® Belleville spring adjustable pressure switch for low pressure 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>10&quot; H₂O to 100&quot; H₂O</td>
<td>7&quot; H₂O to 97&quot; H₂O</td>
<td>3&quot; H₂O</td>
<td>300</td>
</tr>
<tr>
<td>4</td>
<td>3 to 15</td>
<td>2.75 to 14.75</td>
<td>.25</td>
<td>300</td>
</tr>
</tbody>
</table>

All values given in psig.

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 Connection**
Wetted Material 1
1/4 NPT Female

Wetted Material 4
1/2 NPT Female

**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

**Adjustment**
Concealed wrench flat adjustment with range scale

**Shipping Weight**
Approximately 3 pounds

Order Miscellaneous Option “D”

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

**Adjustable Range**
2 7" H₂O dec. to 100" H₂O inc. (17 millibar dec. to 249 millibar inc.)
4 2.75 psig dec. to 15 psig inc. (0.2 bar dec. to 1.0 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 at 28 VDC; .5 amp resistive at 125 VDC
Z 15 amp at 125 or 250 VAC; 1/4 hp at 125 VAC; 1/2 hp at 250 VAC; 1 amp resistive, .5 amp inductive 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)
F Fire fuse — for fire-tested equipment (Wetted Material 4 only; not available with G)
G 1/2 NPT male port (Wetted Material 4 only)
L Neon indicator light — 115 VAC
M Gold electrical contacts for extremely low current applications
P 5-Pin Brad Harrison connector (Reduce AC electrical rating to 8 amps)—
   (Not for CC3 Electrical)
S Stainless steel diaphragm (Wetted Material 4 only)
W Stainless steel screws — exterior (Standard with Wetted Material 4)
X UL and CSA Approved and CE Mark (Not available with L or P option)

Special (Consult representative or factory)
- Non-catalog adjustable range and/or set point, deadband and proof pressure
- Chemical seals installed

Ordering Procedure

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

Example

110P 1 2 C 3
Envelop Dimensions

Electrical Form

Basic Principles of Design