P29 Series Low Pressure Control with Time Delay Catalog Page

Description
P29NC is a low pressure control with time delay and lockout, which requires manual reset. A drop in pressure energizes the time delay relay and opens a contact after the time delay, shutting down the equipment. The time delay prevents nuisance shutdowns due to momentary fluctuations in system pressures.

Refer to the P29 Series Low Pressure Cutout Control with Time Delay Relay Product Bulletin (LIT-125425) for important product application information.

Features
- direct reading scale indication
- dust-protected snap action switch
- trip-free manual reset
- replacement timing relays available

Applications
- chiller low temperature
- industrial equipment, oil pressure lubrication
- low suction pressure

Technical Specifications
- pilot duty rating of 750 VA, 120/240 VAC
- external step down transformer for 440 and 550 VAC applications must be of sufficient capacity to supply 15 VA at 120 VAC or 30 VA at 240 VAC for time delay

Accessories
- universal mounting bracket (271-51)
- replacement timing relays (Refer to Replacement Timing Relays for P28 and P29 Lube Oil Controls Catalog Page [LIT-1927395]).)

Selection Chart

<table>
<thead>
<tr>
<th>Product Code Number</th>
<th>Switch Action</th>
<th>Pressure Range</th>
<th>Differential psi (kPa)</th>
<th>Max Overpressure psig (kPa)</th>
<th>Max Working Pressure psig (kPa)</th>
<th>Pressure Connection</th>
<th>Time Delay Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>P29NC-2C</td>
<td>Single-Pole, Single-Throw (SPST)</td>
<td>20 in. Hg Vacuum to 100 psig (-68 to 690 kPa)</td>
<td>2.2 ± 1.5 (15.2 ± 10.3)</td>
<td>325 (2,241)</td>
<td>250 (1,723)</td>
<td>1/4 in. external flare fitting</td>
<td>60 seconds (factory set)</td>
</tr>
<tr>
<td>P29NC-3C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>36 in. copper capillary tube with 1/4 in. flare nut</td>
<td>120 seconds</td>
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<tr>
<td>P29NC-49C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>90 seconds</td>
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<tr>
<td>P29NC-53C</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>120 seconds</td>
</tr>
<tr>
<td>P29NF-1C1</td>
<td>1. With alarm contacts</td>
<td></td>
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</tr>
</tbody>
</table>

Example: Setpoint at 10 psig. On a rise in pressure, the timing circuit opens at 10 psig and time out ends. On a fall in pressure, the timing circuit energizes at 6 to 9 psig and the time out begins. If the pressure fails to reach 10 psig within the 60 second time delay, the main contacts open, shutting down the controlled equipment.