Description

The P128 and P145 Series Controls provide dependable low pressure lube oil cut-out for pressure lubricated refrigeration compressors. The P128 Series offer adjustable range settings.

The P128 and P145 controls feature a 1/4 in. external flare pressure connection which may be used with a refrigerant hose or cap tube such as SEC99 UltraCap.

Refer to the P28 and P128 Series Lube Oil Control with Built-In Time Delay Relay Product Bulletin (LIT-125420) for important product application information.

Features

• ambient compensated time delay relay
• trip-free manual reset
• industry standard
• P128 is fully adjustable throughout its range
• P145 is factory set to compressor manufacturer’s specifications

Applications

Use these controls for lube oil cutout on hermetic and semi-hermetic compressors used in commercial air-conditioning and commercial and industrial refrigeration systems.

Technical Specifications

Pressure controls P128 and P145 are designed to be used with SEC99 UltraCap. Product specifications for
### Selection Chart

<table>
<thead>
<tr>
<th>Product Code Number</th>
<th>Time Delay</th>
<th>Heater Circuit VAC</th>
<th>Type of Reset</th>
<th>Range psig (kPa)</th>
<th>Refrigerant</th>
<th>Pressure Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>P128AA-1C</td>
<td>90 seconds</td>
<td>120/240</td>
<td>Manual</td>
<td>8 to 70 (55 to 483)</td>
<td>---</td>
<td>Non-corrosive</td>
</tr>
<tr>
<td>P128AA-2C</td>
<td>60 seconds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1/4 in. external flared connection</td>
</tr>
<tr>
<td>P128AA-17C</td>
<td>120 seconds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P145NCA-12C</td>
<td>45 seconds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P145NCA-82C</td>
<td>45 seconds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P145NCB-12C</td>
<td>120 seconds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P145NCB-82C</td>
<td>45 seconds</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

4. Replacement for P45NCA-12*. (Copeland Model) Replaces Ranco P30-5826.
5. Replacement for P45NCA-82*. (Carlyle Model).
6. Copeland model with alarm circuit
7. Carlyle model with alarm circuit

*SEC99 UltraCap Hose must be ordered separately.

### Product warranty
This product is covered by a limited warranty, details of which can be found at [www.johnsoncontrols.com/buildingswarranty](http://www.johnsoncontrols.com/buildingswarranty).

### Single point of contact

<table>
<thead>
<tr>
<th>APAC</th>
<th>Europe</th>
<th>NA/SA</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA</td>
<td>JOHNSON CONTROLS WESTENDHOF 3 45143 ESSEN GERMANY</td>
<td>JOHNSON CONTROLS 507 E MICHIGAN ST MILWAUKEE WI 53202 USA</td>
</tr>
</tbody>
</table>

### Contact information
Contact your local branch office: [www.johnsoncontrols.com/locations](http://www.johnsoncontrols.com/locations)
Contact Johnson Controls: [www.johnsoncontrols.com/contact-us](http://www.johnsoncontrols.com/contact-us)