

## Description

The P128 and P145 Series controls provide dependable low-pressure lube oil cutout for pressure-lubricated refrigeration compressors. The P128 Series offers adjustable range settings.

The P128 and P145 controls feature a 1/4 in. external flare pressure connection that you can use 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, Part No. 24-7664-605)* for important product application information.

**Figure 1: P128AA Lube Oil Pressure Control (left) and P145NCA Lube Oil Pressure Control (right)**



## Features

- Ambient compensated time delay relay
- Trip-free manual reset
- Industry standard
- P128 is fully adjustable throughout its range
- P145 is factory set to the 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

P128 and P145 pressure controls are designed to use with SEC99 UltraCap. Product specifications for P128 are the same as P28 models. Refer to *P28 and P128 Series Lube Oil Pressure Cutout Control With Time Delay Catalog Page (LIT-1927185)*. Product specifications for P145 are the same as P45 models. Refer to *P45 and P145 Series Lube Oil Pressure Cutout Control With Time Delay Catalog Page (LIT-1927200) (LIT-1927185)*. Also see Table 1.

## Accessories

Some controls are supplied without mounting brackets. If you require mounting brackets, order kit number BKT38A-600, which contains five Part No. 271-51 angle mounting brackets with screws, or BKT38A-601 which contains one mounting bracket with screws.

## Repair information

If the P128 or the P145 Series Lube Oil Pressure Control fails to operate within its specifications, replace the unit. For a replacement control, contact the nearest Johnson Controls® representative.

## Selection chart

### ① Note:

- For the following models, you must order an SEC99 UltraCap Hose separately.
- P128AA-1C replaces P28AA-1 or Ranco® P30-3701.
- P128AA-2C replaces P28AA-2 or Ranco P30-3601.
- P128AA-17C replaces P28AA-17 or Ranco P30-3801.
- P145NCA-12C replaces Copeland model P45NCA-12 or Ranco P30-5826.
- P145NCA-82C replaces Carlyle model P45NCA-82.

**Table 1: P128 and P145 selection chart**

Product code	Time delay	Heater circuit	Type of reset	Range psig (kPa)		Refrigerant	Pressure connection
				Adjustable	Non-adjustable		
P128AA-1C	90 s	120 VAC	Manual	8 psig to 70 psig (55 kPa to 483 kPa)	—	Non-corrosive	1/4 in. external flared connection
P128AA-2C	60 s	/240 VAC			—		
P128AA-17C	120 s			—	Factory set 9 psig (62 kPa)	Non-corrosive	
P145NCA-12C							
P145NCA-82C	45 s				Factory set 9 psig (62 kPa)		
P145NCB-12C, Copeland model with alarm circuit	120 s				Factory set 6.5 psig (45 kPa)		
P145NCB-82C, Carlyle model with alarm circuit	45 s						

## 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

APAC	EU	UK	NA/SA
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## Contact information

Contact your local branch office:  
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