



P128 and P145 Series Lube Oil Pressure Controls Catalog Page

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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

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 /240 VAC	Manual	8 psig to 70 psig (55 kPa to 483 kPa)	—	Non-corrosive	1/4 in. external flared connection
P128AA-2C	60 s						
P128AA-17C	120 s						
P145NCA-12C				—	Factory set 9 psig (62 kPa)	Non-corrosive	
P145NCA-82C	45 s				Factory set 6.5 psig (45 kPa)		
P145NCB-12C, Copeland model with alarm circuit	120 s				Factory set 9 psig (62 kPa)		
P145NCB-82C, Carlyle model with	45 s				Factory set 6.5 psig (45 kPa)		

Product code	Time delay	Heater circuit	Type of reset	Range psig (kPa)		Refrigerant	Pressure connection
				Adjustable	Non-adjustable		
alarm circuit							

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Single point of contact

APAC	EU	UK	NA/SA
JOHNSON CONTROLS	JOHNSON CONTROLS	JOHNSON CONTROLS	JOHNSON CONTROLS
C/O CONTROLS PRODUCT MANAGEMENT	VOLTAWEG 20	TYCO PARK	5757 N GREEN BAY AVE.
NO. 32 CHANGJIANG RD NEW DISTRICT	6101 XK ECHT	GRIMSHAW LANE	GLENDAL, WI 53209
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CHINA		M40 2WL	
		UNITED KINGDOM	

Contact information

Contact your local branch office: www.johnsoncontrols.com/locations

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