

P170 Series

Single Pole High Pressure Control



P170CA

Description

The P170 Series of controls employ an SPST switch that opens and closes from the movement of pressure actuated bellows. The load-carrying contacts provide direct control of an AC motor within the control's electrical rating.

Accessories

- a universal mounting bracket is included

Features

- full adjustability throughout the pressure range
- long life contact structure, no bounce on make
- manual reset models are "trip-free"

Applications

- air conditioning and refrigeration applications
- control of air, water, and lube oil pressure
- can be used with all non-corrosive refrigerants

Specifications

Note product selection chart below.

To Order

Specify the code number from the following selection chart. Also refer to *P70 Series Single Pole High Pressure Control*.

Selection Chart (R)

Code Number	Switch Action	Range psig (kPa)	Differential psi (kPa)	Pressure Connector	Limited Knob Adjustment	Max Bellows Overrun Pressure psig (kPa)
▲ P170AA-118C (a)	Close High, Open Low	100 to 400 (690 to 2758)	Min 35 (241) Max 200 (1379)	1/4 in. Male Flared Conn.	None	475 (3275)
▲ P170CA-3C (b)	Open High, Close Low	50 to 500 (345 to 3447)	Min 60 (414) Max 150 (1034)			525 (3620)
▲ P170DA-1C (c)			Lockout Requires Manual Reset			

(a) Replacement for P70AA-118*. Replaces Ranco 010-2054.

(b) Replacement for P70CA-3*. Replaces Ranco 011-1711.

(c) Replacement for P70DA-1*. Replaces Ranco 016-200.

* Refrigerant hose must be ordered separately.

SPST Electrical Ratings (P170A, P170C, and P170D models)

	Standard Single-Phase Ratings			Hermetic Compressor Single-Phase Ratings
	120 VAC	208 VAC	240 VAC	208/240 VAC
Motor Horsepower	1.5	3	3	—
Motor Full-Load Amp	20	18.7	17	20
Motor Locked-Rotor Amp	120	112.2	102	120
Non-Inductive Amp	22	22	22	—
Pilot Duty	125 VA at 120 to 600 VAC; 57.5 VA at 120 to 300 VDC			

▲ Universal Replacement ★ Non-Stock Item. Built to Order. (R) For Refrigerants Not Listed, Contact Application Engineering

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