

P170 Series

Single Pole Low Pressure Control



P170CA

Description

The P170 Series of controls employ a set of SPST contacts that are opened and closed from the movement of pressure actuated bellows. The load-carrying contacts provide direct control of the AC motor within the control's electrical rating.

Features

- full adjustability throughout the pressure range
- adjustable differential
- long life contact structure...no bounce on make

Accessories

- a universal mounting bracket is included

Applications

- air conditioning and refrigeration applications
- control air, water, glycol, and lube oil pressure

Specifications

Note product selection chart below.

To Order

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

Selection Chart

Code Number	Switch Action	Range psig (kPa)	Differential psi (kPa)	Pressure Connector	Limited Knob Adjustment	Max Bellows Overrun Pressure psig (kPa)
▲ P170AB-2C (a)	Close High	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)	1/4 in. Male Flared Conn.	Cutout	325 (2241)
▲ P170AB-12C (b)	Open Low	12 in. to 80 (-41 to 552)	Min 5 (34) Max 35 (241)			
▲ P170CA-1C (c)	Open High Close Low	20 in. to 100 (-68 to 690)	Min 7 (48) Max 50 (345)		None	

(a) Replacement for P70AB-2*. Replaces Ranco 010-1483

(b) Replacement for P70AB-12*. Replaces Ranco 010-1402

(c) Replacement for P70CA-1*. Replaces Ranco 011-3099.

* Refrigerant hose must be ordered separately.

SPST Electrical Ratings (P170A and P170C 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

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

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