

P70 Series

Single Pole High Pressure Control



P70CA-2
Universal Mounting Bracket Included



P70AA-119

Features

- full adjustability through all pressure ranges
- minimum differential
- long life contact structure, no bounce on make; manual reset models are "trip-free"

Accessories

- includes a universal mounting bracket

Applications

- air conditioning and refrigeration applications
- control of air, water, and oil pressure

To Order

Specify the code number from the following selection chart. Also refer to *P170 Series Single Pole High Pressure Control*.

Description

This P70 Series of controls employs a set of switch contacts that are opened and closed by the movement of pressure actuated bellows. The load-carrying contacts provide direct

control of AC motors within the control rating. These controls are available with either close high–open low, open high–close low, or SPDT contact action.

Selection Chart

Code Number	Switch Action	Range psig (kPa)	Differential psi (kPa)	Pressure Connector	Limited Knob Adjustment	Max. Overpressure psig (kPa)
HEAD PRESSURE FAN CYCLING FOR R-12, R-22, R134A, R-500, R-502 (R)						
▲ P70AA-118C (a)	Close High Open Low	100 to 400 (690 to 2758)	Min 35 (241) Max 200 (1379)	36 in. Cap. with 1/4 in. Flare Nut	None	475 (3275)
P70AA-2C	Close High Open Low	0 to 150 (0 to 1034)	Min 12 (83) Max 70 (482)	36 in. Cap. with 1/4 in. Flare Nut		525 (3620)
"ALL RANGE" FOR R-12, R-22, R134A, R-500, R-502 (R)						
P70CA-2C	Open High Close Low	50 to 500 (345 to 3447)	Min 60 (414) Max 150 (1034)	1/4 in. Male Flare	None	525 (3620)
P70CA-3C	Open High Close Low		36 in. Cap. with 1/4 in. Flare Nut			
P70DA-1C	Open High Close Low		Lockout (Requires Manual Reset)	36 in. Cap. with 1/4 in. Flare Nut		
FOR AMMONIA						
P70AA-119C	Close High Open Low	50 to 300 (345 to 2068)	Min 20 (138) Max 120 (827)	1/4 in. Female NPT	None	400 (2758)
P70CA-5C	Open High Close Low	50 to 500 (345 to 3447)	Min 60 (414) Max 150 (1034)	1/4 in. Female NPT	None	525 (3620)
P70DA-2C	Open High Close Low		Lockout (Requires Manual Reset)	1/4 in. Female NPT		

(a) Replaces Ranco 010-2054

SPST Electrical Ratings (P70A, P70C, and P70D 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. © 02/00 Johnson Controls, Inc