

P72 Series

Two Pole High Pressure Control



P72CA-2

Description

The P72 Series of controls employs a set of DPST contacts that are opened and closed by the pressure actuated bellows.

The heavy duty load-carrying contacts provide direct control of motors having integral line-interrupting overload protectors up to three horsepower. See Electrical Ratings below. Starter is unnecessary. Primarily used on air-conditioning and refrigeration applications but also used to control air, water, glycol, and lube oil pressure.

Features

- full adjustability for all non-corrosive refrigerant pressure applications
- adjustable differential meets the most demanding applications
- direct reading scale

Accessories

- includes a universal mounting bracket

Application Advantages

- control of polyphase motors without use of magnetic starters where protection against overloading and single phasing is otherwise provided
- two separate control circuits necessary for the control of multiple systems
- one set of contacts break the "hot" line when wired as a two pole switch in single phase circuits
- control of two separate load circuits
- automatic control of heavy electrical loads

To Order

Specify the code number from the following selection chart.

Selection Chart

Code Number	Switch Action	Range psig (kPa)	Differential psi (kPa)	Pressure Connector	Max Bellows Overpressure psig (kPa)
HEAD PRESSURE FAN CYCLING FOR R-12, R-22, R-134A, R-500, R-502 (R)					
P72AA-27C (a)	DPST 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	475 (3275)
"ALL RANGE" FOR R-12, R-22, R-134A, R-500, R-502 (R)					
P72CA-2C	DPST Open High Close Low	50 to 500 (345 to 3447)	Min 60 (414) Max 150 (1034)	36 in. Cap. with 1/4 in. Flare Nut	525 (3620)
P72DA-1C			Lockout (Requires Manual Reset)		

(a) Replaces Ranco 020-7006.

DPST Electrical Ratings (P72A, P72C, and P72D models)

	Standard Single-Phase Ratings					Hermetic Compressor Single-Phase Ratings	
	120 VAC 1Ø	208 VAC 1Ø	240 VAC 1Ø	208 VAC 3Ø	220 VAC 3Ø	208 VAC 1Ø	240 VAC 1Ø
Motor Horsepower	2	3	3	5	5	—	—
Motor Full-Load Amp	24	18.7	17	15.9	15	24	24
Motor Locked-Rotor Amp	144	112.2	102	95.4	90	144	144
AC Non-Inductive Amp	24	24	24	24	24	—	—
DC Non-Inductive Amp	3	0.5	0.5	0.5	0.5	—	—
Pilot Duty	125 VA at 120 to 600 VAC; 57.5 VA at 120 to 300 VDC						