

P72 Series

Two Pole Low Pressure Control



P72AA-1

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, 240 volt, single phase. Starter is unnecessary. Primarily used on air-conditioning and refrigeration applications but also used to control air, water, 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
- 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 (R-12, R-22, R-134A, R-500, R-502 (R))

Code Number	Switch Action	Range psig (kPa)	Differential (psi)	Pressure Connector	Knob Adjustment	Max Bellows Overpressure psig (kPa)
P72AA-1C	DPST; Close High; Open Low	20 in. to 100 psi (-68 to 690)	Min 7 (41) Max 50 (345)	36 in. Cap. with 1/4 in. Flare Nut	None	325 (2241)
★ P72AB-1C	DPST; Close High; Open Low				Yes ^(a) ; Cutout adjustment limited to 5 psi (34 kPa)	

(a) Adjusting knob supplied on differential (cutout setting) to limit adjustments to 5 psi (34 kPa) above or below normal setting.

DPST Electrical Ratings (P72A 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						