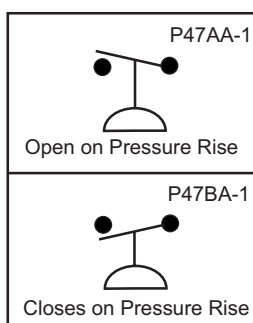


P47 Series

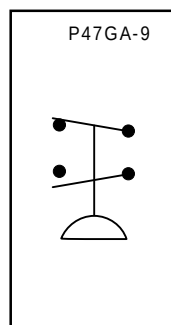
Steam Pressure Limit Control



P47AA-1



SPST

4-wire, 2-circuit
Action on Pressure Rise

Description

The P47 controls are available with SPST, DPST, or 4-wire, two-circuit contacts for line voltage or low voltage. The pressure connector is 1/4 in. male NPT (0-15 psig only) or 1/4 in. female NPT (for all other ranges).

Features

- long-life contact structure with high contact force
- easy-to-adjust single sight set scales show both cut-in and cut-out settings

Applications

P47 steam pressure controls are designed for high limit or operating control applications. A typical use is as a limit control on steam heating systems. Models that close on a pressure increase are used on steam unit heaters to avoid blower operation when steam pressure is below the point required for adequate heating. The P47 can be used with steam, water, air, or noncombustible gases that do not harm iron or copper.

Accessories

The Part No. TBG16A-600R Siphon is supplied with all controls except models with 0 to 15 psig range.

To Order

Specify the code number from the following selection chart.

Electrical Ratings

Motor Ratings VAC	120	208	240	277
P47AA, P47BA				
AC Full Load Amp	16.0	9.2	8.0	—
AC Locked Rotor Amp	96.0	55.2	48.0	—
AC Non-Inductive Amp	16.0	16.0	16.0	16.0
Pilot Duty – 125 VA, 120 to 600 VAC; 57.5 VA, 120 to 300 VDC				

Pole Number	Line-M2 (Main)				Line-M1 (Auxiliary)			
Motor Ratings VAC	120	208	240	277	120	208	240	277
P47GA								
AC Full Load Amp	16.0	9.2	8.0	—	6.0	3.3	3.0	—
AC Locked Rotor Amp	96.0	55.2	48.0	—	36.0	19.8	18.0	—
AC Non-Inductive Amp	16.0	9.2	8.0	7.2	6.0	6.0	6.0	6.0
Pilot Duty: Both Poles 125 VA, 120 to 600 VAC; 57.5 VA, 120 to 300 VDC								

Selection Chart

Code Number	Number of Poles	Range	Diff psi (kPa)		Max Over-pressure psig (kPa)
			Min	Max	
Contacts Open On Rise – Automatic Reset					
P47AA-1C	1	0 to 15 psig (0 to 103 kPa)	2 (14)	8 (55)	50 (345)
P47AA-4C	1	20 in. Hg to 50 psig (-68 to 345 kPa)	5 (34)	35 (241)	180 (1241)
P47AA-13C	1	0 to 150 psig (0 to 1034 kPa)	12 (83)	50 (345)	325 (2241)
Contacts Close On Rise – Automatic Reset					
P47BA-1C	1	0 to 15 psig (0 to 103 kPa)	2 (14)	8 (55)	50 (345)
P47BA-6C	1	0 to 150 psig (0 to 1034 kPa)	12 (83)	50 (345)	325 (2241)
SPDT – 4-Wire Two Circuit ^(a) – Automatic Reset					
P47GA-9C ^(a)	Main Open High Auxiliary Open Low	0 to 150 psig (0 to 1034 kPa)	12 (83)	50 (345)	325 (2241)

(a) The main contacts (Line-M2) open on rise, as the auxiliary contacts (Line-M1) close.