

JOHNSON CONTROLS - Steam Pressure Limit Control

P47 Series

Selection Chart

Contacts Open On Rise – Automatic Reset



P47AA-1

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

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

SELECTION CHART

PART NO	Number of Poles	Range	Differential psi (kPa)		Max Overpressure psig (kPa)
			Min	Max	
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

PART NO	Number of Poles	Range	Differential psi (kPa)		Max Overpressure psig (kPa)
			Min	Max	
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

PART NO	Number of Poles	Range	Differential psi (kPa)		Max Overpressure psig (kPa)
			Min	Max	
P47GA-9C (a)	MainOpen HighAuxiliaryOpen 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.