

PRESSURE

PRESSURE SWITCH P10 SERIES



DESCRIPTION

The Johnson Controls P10 Series Pressure Switches use changes in control air pressure to open or close an electrical circuit. The common terminal is red. The red-to-yellow terminals close an electrical circuit on a rise in pressure; the red-to-blue terminals close a circuit on a drop in pressure.

APPLICATION

Typical applications include pressure-electric switches in pneumatic systems, control of pumps or small air compressors, and pressure-electric interlock of fluid flow systems.

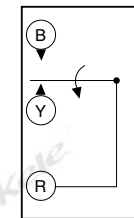
FEATURES

- Easily accessible screw terminals for field wiring
- Snap-acting contacts in a dust-tight enclosure
- Visible calibration scale
- Field adjustment possible with cover on or removed
- Gas and oil resistant nylon-reinforced diaphragm
- One-year warranty
- Approvals UL File E6688 and CS LR948



P10BC-7

WIRING



Action on increase of pressure

SPECIFICATIONS

Electrical ratings

P10BC, P10FC

Motor ratings VAC	120	208	240	277
AC full load amp	16.0	9.2	8.0	7.0
AC locked rotor amp	96.0	55.2	48.0	42.0
Non-inductive amp	16.0	9.2	8.0	7.2
Pilot duty - 125 VA @ 24-277 VAC				

Maximum Allowable Pressure: 150 psig (1034 kPa)

P10BG

Motor Ratings VAC	120	208	240	277
AC full load amp	6.0	3.4	3.0	—
AC locked rotor amp	36.0	20.4	18.0	—
Non-inductive amp	6.0	3.4	3.0	2.6
Pilot duty - 125 VA @ 24-277 VAC				

Model	Number of stages	Contact action	Range psig (kPa)	Factory setting				Pressure connector NPT*	Weight lb (kg)
				psig (kPa)		Switch Diff psig (kPa)			
P10BC-7	1	SPDT	3-20 (21-138)	12 (83) (R-Y cut-in)		2 (14)		1/8"	1.0 (0.45)
P10FC-4	2	2-SPDT		Low stage	High stage	Low stage	High stage		
				8 (55)	12 (82)	2 (14)	2 (14)		
P10BG-3	1	SPDT	2-20 (15-138)	12 (83) (R-Y cut-in)		0.2 (1.4)		1/8"	1.0 (0.45)

*Includes 1/4" barb fitting installed

ORDERING INFORMATION

Specify model number as shown in specifications above.