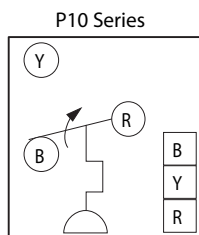


# P10 Series Low Pressure Control Catalog Page

## Description

The P10 Series Pressure Controls open or close electrical circuits from a change in operating air pressure. R to Y terminals make (cut-in) on pressure rise

Refer to the *P10 Series Low Range Pressure Controls Product Bulletin (LIT-125400)* for important product application information.



Action on Increase  
of Pressure

p10.eps

P10 Series Action Diagram

## Features

- visible calibrated adjustable range scale
- snap-acting switch in a dust protected enclosure
- easily accessible wiring terminals

## Applications

- pneumatic systems
- control of pumps or small air compressors

## Accessories

- universal mounting bracket No. **BKT16A-600** as well as a barbed fitting supplied as standard
- model P10FC-4 has a jumper installed on the common terminals

## Repair Information

If the P10 Series Low Pressure Control fails to operate within its specifications, replace the unit. For a replacement control, contact the nearest Johnson Controls® representative.



**P10BC-7**  
with Bracket No. **BKT16A-600R**

## Selection Chart

Product Code Number	No. of Stages	Contact Action	Range psi (kPa)	Factory Setting				Pressure Connector
				psig (kPa)		Switch Diff psi (kPa)		
P10BC-7C	1	Single-Pole, Double-Throw (SPDT)	3 to 20 (21 to 138)	12 (R to Y Cut-in)		2		Barbed Fitting
P10BG-3C	1	SPDT	2 to 20 (15 to 138)	12 (R to Y Cut-in)		0.2		1/8 in. Internal NPSF
P10BJ-1C	1	SPDT	3 to 20 (21 to 138)	12 (R to Y Cut-in)		2		1/8 in. Internal NPSF
P10FC-4C	2	SPDT	3 to 20 (21 to 138)	(R-Y Cutout) Low Stage 8 (55)	(R-Y Cut-in) High Stage 12 (82)	Low Stage 2 (14)	High Stage 2 (14)	1/8 in. Barbed Fitting
P10PA-11C	3	SPST	3 to 20 (21 to 138)	Stage One Open High 6 (41)	Stages Two & Three Open High 18 (120)	Stage One 3 (21)	Stages Two & Three 0.4 (3)	1/8 in. Barbed Fitting

## Technical Specifications

- model P10BJ-1 is rated for 24 A non-inductive when used as a single-pole, single-throw (SPST) (R-Y). (See Electrical Ratings chart below.)
- maximum allowable pressure is 150 psig (1,034 kPa)
- maximum ambient temperature is 140°F (60°C)

### Electrical Ratings (Part 1 of 2)

Motor Ratings VAC	120	208	240	277	600
P10BC-7					
AC Full Load A	16.0	9.2	8.0	7.0	—
AC Locked Rotor A	96.0	55.2	48.0	42.0	—
Non-Inductive A	16.0	9.2	8.0	7.2	—
Pilot Duty	125 VA, 24 to 277 VAC				
P10BG-3					
AC Full Load A	6.0	3.4	3.0	—	—
AC Locked Rotor A	36.0	20.4	18.0	—	—
Non-Inductive A	6.0	3.4	3.0	2.6	—
Pilot Duty	125 VA, 24 to 277 VAC				
P10BJ-1					
AC Full Load A	16.0	9.2	8.0	7	—

### Electrical Ratings (Part 2 of 2)

Motor Ratings VAC		120	208	240	277	600
AC Locked Rotor A		96.0	55.2	48.0	42	—
Non-Inductive A	Double Throw	16.0	16.0	16.0	16.0	16.0
	Single Throw	24.0	24.0	24.0	24.0	24.0
Pilot Duty		125 VA, 24 to 600 VAC				
P10FC-4						
AC Full Load A		16.0	9.2	8.0	7.0	—
AC Locked Rotor A		96.0	55.2	48.0	42.0	—
Non-Inductive A		16.0	9.2	8.0	7.2	—
Pilot Duty		125 VA, 24 to 277 VAC				
		On two- and three-stage models, maximum connected load shall not exceed 2,000 VA				
P10PA-11						
AC Full Load A		6.0	3.4	3.0	—	—
AC Locked Rotor A		36.0	20.4	18.0	—	—
Non-Inductive A		6.0	3.4	3.0	—	—
Pilot Duty		125 VA, 24 to 277 VAC				
		On two- and three- stage models, maximum connected load shall not exceed 2,000 VA				