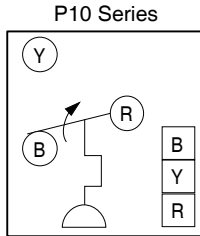


P10 Series

# Low Pressure Control (Single or Two-Stage)

## Description

These pressure controls open or close electrical circuits from a change in operating air pressure. R to Y terminals make (cut-in) on pressure rise.



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-600R** as well as a barbed fitting supplied as standard
- model P10FC-4 has a jumper installed on the common terminals



**P10BC-7**  
 (With Bracket No. BKT16A-600R)

## Selection Chart

Code Number	No. of Stages	Contact Action	Range psig (kPa)	Factory Setting				Pressure Connector
				psig (kPa)		Switch Diff psi (kPa)		
P10BC-7C	1	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. Female NPSF
P10BJ-1C	1	SPDT	3 to 20 (21 to 138)	12 (R to Y Cut-in)		2		1/8 in. Female 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 1 Open High 6 (41)	Stages 2 & 3 Open High 18 (120)	Stage 1 3 (21)	Stages 2 & 3 0.4 (3)	1/8 in. Barbed Fitting

## Technical Specifications

- model P10BJ-1 is rated for 24 amp non-inductive when used as an SPST (R-Y). (See Electrical Ratings chart below.)
- maximum allowable pressure is 150 psig (1034 kPa)
- maximum ambient temperature is 140°F (60°C)

### Electrical Ratings (Part 1 of 2)

Motor Ratings VAC	120	208	240	277	600
<b>P10BC-7</b>					
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 at 24 to 277 VAC					
<b>P10BG-3</b>					
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 at 24 to 277 VAC					
<b>P10BJ-1</b>					
AC Full Load A	16.0	9.2	8.0	7	–
AC Locked Rotor A	96.0	55.2	48.0	42	–
Non-Ind. A	Double Throw	16.0	16.0	16.0	16.0
	Single Throw	24.0	24.0	24.0	24.0
Pilot Duty – 125 VA at 24 to 600 VAC					

### Electrical Ratings (Part 2 of 2)

Motor Ratings VAC	120	208	240	277	600
<b>P10FC-4</b>					
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 at 24 to 277 VAC					
On 2- and 3-stage models, maximum connected load shall not exceed 2000 VA					
<b>P10PA-11</b>					
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 at 24 to 277 VAC					
On 2- and 3-stage models, maximum connected load shall not exceed 2000 VA					