

# P67 Series Low Pressure Control Catalog Page

## Description

P67 pressure controls are used to close or open an electrical circuit, based on a predetermined air pressure signal. The operating point of the control and the differential, are easy to adjust with the externally located adjustment screws on the top of the control enclosure. The pressure controls incorporate a non-metallic diaphragm that is positioned by air pressure changes. The diaphragm, in turn, actuates a heavy-duty electrical contact block using a lever mechanism.

Refer to the *P67 Series Low Range Pressure Control Product Bulletin (LIT-121445)* for important product application information.

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

## Applications

Typical applications include the control of air compressors, fans, pilot lights, resistance heating elements, and other devices.



P67 Series Low Pressure Control with 271-350 Mounting Bracket

## Features Selection Chart

Product Code Number	Control Action	Scale Range psi <sup>1</sup> (kPa)	Temp. Range	Diff. psi (kPa)	Maximum Over-pressure psig (kPa)	Connector
P67AA-1C	Double-Pole, Single-Throw (DPST) opens on pressure drop	3 to 30 (21 to 207)	32 to 140°F 0 to 60°C	1-1/2-20 (10 to 138) Adjustable	50 (345)	Angle Barbed Fitting
P67CA-1C	DPST opens on pressure rise					1/8 in. External NPT
P67EA-5C	L-M2 contacts connect on pressure rise and simultaneously the L-M1 contacts break					

1. Range is minimum cut-out to maximum cut-in on Open Low controls. It is minimum cut-in to maximum cut-out on Open High controls.

## Repair Information

If the P67 Series Low Pressure Control fails to operate within its specifications, replace the unit. For a replacement control, contact the nearest Johnson Controls® representative.

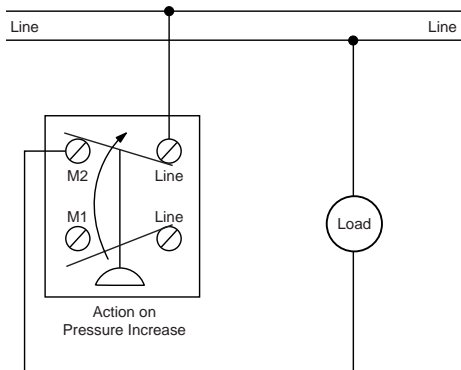
## Technical Specifications

### Electrical Ratings for P67AA and P67CA

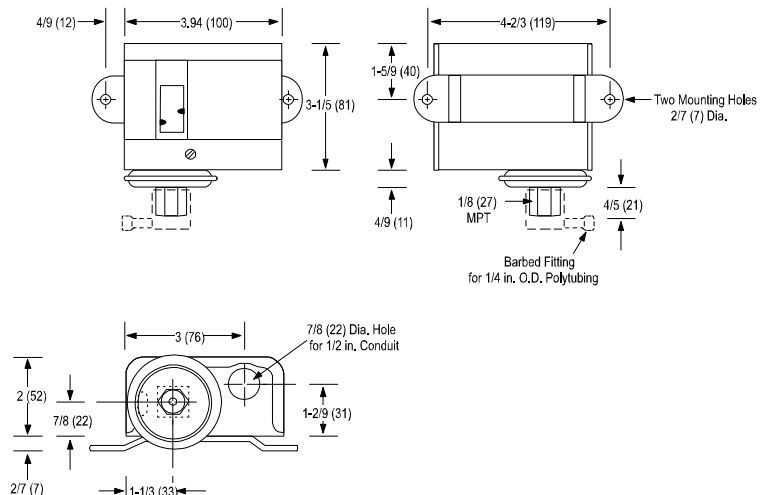
Motor Ratings VAC	1 Phase				2 - 3 Phase	
	120	208	240	277	208	240
AC Full Load A	12.0	12.0	12.0	—	12.0	12.0
AC Locked Rotor A	72.0	72.0	72.0	—	72.0	72.0
AC Non-Inductive A	12.0	12.0	12.0	12.0	—	—
DC Non-Inductive A	3.0	0.5	0.5	—	—	—
Pilot Duty	125 VA, 120 to 600 VAC; 57.5 VA, 120 to 300 VDC					

### Electrical Ratings for P67EA and P67FA

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



P67 Wiring Diagram (no alarm)



P67 Dimensions, in. (mm)