

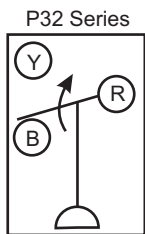


P32 Series Sensitive Pressure Switch

Description

This differential pressure switch is used to sense pressure/air flow in ducts.

Refer to the *P32 Series Sensitive Differential Pressure Switch Product Bulletin (LIT-125435)* for important product application information.



Action on Increase of Pressure

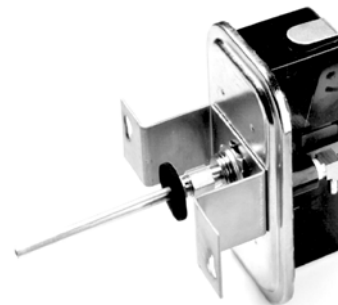
P28 Action Diagram

Features

- easy-to-read setpoint scale
- versatile mounting options

Applications

- pressure/air flow proving with electric duct heaters, humidifiers, and other equipment
- maximum pressure/air flow control for variable volume systems
- reheat duct powered systems
- clogged filter detection
- detection of icing of air conditioning coils and initiation of defrost cycle
- sensitive pressure settings
- dust-tight snap switch



P32 Sensitive Pressure Switch

Repair Information

If the P32 Series Sensitive Pressure Switch fails to operate within its specifications, replace the unit. For a replacement switch, contact the nearest Johnson Controls® representative.

Selection Chart

| Product Code Number | Ambient Temperature Min./Max. | Connector | Maximum Over-pressure psig (kPa) ¹ | Contact Action | Range in. WC (kPa) | Sensitivity at Min. Setpoint in. WC (kPa) | Setpoint | Scale Plate | Mounting Bracket (Included) |
|-----------------------|---|---|---|----------------|----------------------------|---|------------|-------------|-----------------------------|
| P32AC-1C | -40°F (-40°C) min. 167°F (75°C) max. | High Pressure connectors are metal 1/8 in. internal NPT inside, 1/2 in. NPSM outside for mounting Low pressure connectors are molded, 1/8 in. internal NPT | 1 (6.895) | SPDT | 0.15 to 12 (0.037 to 2.99) | 0.07 (0.017) | Adjustable | Yes | L BKT182-1 |
| P32AC-2C ² | | | | | | | | | U BKT229-1 |
| P32AF-1C | | | | | | | | | L BKT182-1 |
| P32AF-2C ² | | | | | | | | | U BKT229-1 |

1. Maximum overpressure at either connection
2. Supplied with 1/4 in. compression fitting, 4 in. extension tube, two mounting screws, and O-gasket (angle barbed fitting installed)

Accessories

The switch can be mounted directly or with the supplied mounting bracket.

| Product Code Number | Description |
|---------------------|---|
| FTG18A-600R | Remote Mounting Kit: 4 in. flanged sensing tube, two barbed fittings, two No. 10 screws, and a gasket |

Technical Specifications

Electrical Ratings

| Motor Ratings VAC | 120 | 208 | 240 |
|---|--|------|------|
| Type P32AC (Standard Differential, 1/2 hp) | | | |
| AC Full Load A | 9.8 | 5.65 | 4.9 |
| AC Locked Rotor A | 58.8 | 33.9 | 29.4 |
| Non-Inductive or Resistive Load | 15 A, 24 to 277 VAC | | |
| Pilot Duty | 125 VA, 24 VAC; 360 VA, 120 to 277 VAC | | |
| Type P32AF (Close Differential, 1/4 hp) | | | |
| AC Full Load A | 5.8 | 3.3 | 2.9 |
| AC Locked Rotor A | 34.8 | 19.8 | 17.4 |
| Non-Inductive or Resistive Load | 10 A, 24 to 277 VAC | | |
| Pilot Duty | 125 VA, 24 VAC; 360 VA, 120 to 277 VAC | | |

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult th Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2015 Johnson Controls, Inc.