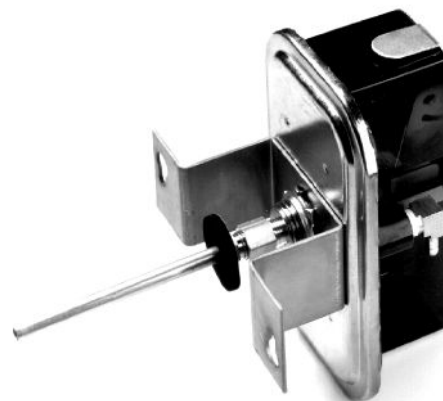




## P32 Series Sensitive Pressure Switch Catalog Page

LIT-1927195

2020-04-22

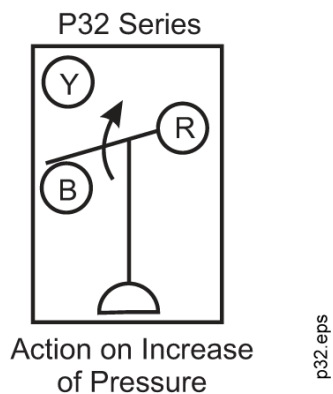


### Description

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.

**Figure 1: 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

P32AC, P32AF

- 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

## 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

**Table 1: Selection Chart**

| Product Code Number   | Ambient Temperature Min./Max.           | Connector   | Maximum Overpressure psig (kPa) <sup>1</sup> | 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.<br>167°F (75°C) max. | High Pressure connectors are metal 1/8 in. internal NPT inside, 1/2 in. NPSM outside for mounting | 1 (6.895)                                    | Single-Pole Double-Throw (SPDT) | 0.15 to 12 (0.037 to 2.99)   | 0.07 (0.017)   | Adjustable | Yes         | L<br><br>RKT1R2-1 |  |
| P32AC-2C <sup>2</sup> |   |   |  |                                 | 0.05 to 5 (0.012 to 1.24)  | 0.04 (0.01)  |            |             | U<br><br>BKT229-1 |  |
| P32AF-1C              |   | Low pressure connectors are molded, 1/8 in. internal NPT  |  |                                 | 0.025 (0.006)  | L<br><br>RKT1R2-1 |            |             |  |  |
| P32AF-2C <sup>2</sup> |   |   |  |                                 | U<br><br>BKT229-1 |  |            |             |  |  |

<sup>1</sup> Maximum overpressure at either connection

<sup>2</sup> 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 |

## P32 Series Sensitive Pressure Switch Technical Specifications

**Table 2: 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 |      |      |

## Product warranty

This product is covered by a limited warranty, details of which can be found at [www.johnsoncontrols.com/buildingswarranty](http://www.johnsoncontrols.com/buildingswarranty).

## Single point of contact

| APAC  | Europe   | NA/SA  |
|---|--|--|
| JOHNSON CONTROLS<br>C/O CONTROLS PRODUCT<br>MANAGEMENT<br>NO. 32 CHANGJIANG RD NEW<br>DISTRICT<br>WUXI JIANGSU PROVINCE 214028<br>CHINA | JOHNSON CONTROLS<br>WESTENDHOF 3<br>45143 ESSEN<br>GERMANY | JOHNSON CONTROLS<br>507 E MICHIGAN ST<br>MILWAUKEE WI 53202<br>USA |

## Contact information

Contact your local branch office:  
[www.johnsoncontrols.com/locations](http://www.johnsoncontrols.com/locations)

Contact Johnson Controls:  
[www.johnsoncontrols.com/contact-us](http://www.johnsoncontrols.com/contact-us)

