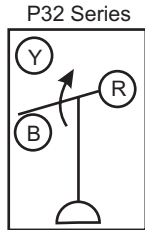


P32 Series

# Sensitive Pressure Switch

## Description

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



Action on Increase of Pressure

P28 Action Diagram

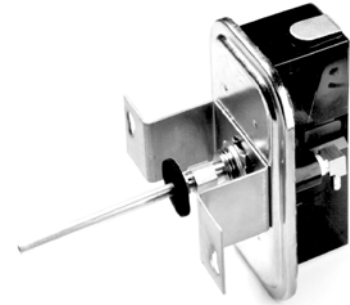
p32.eps

## 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

## Selection Chart

Code Number	Ambient Temperature Min./Max.	Connector	Maximum Over-pressure psig (kPa) <sup>1</sup>	Contact Action	Range in. WC (kPa)	Sensitivity at Min. Set point 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. female NPT inside, 1/2 in. NPSM outside for mounting  Low Pressure connectors are molded, 1/8 in. female NPT	1 (6.895)	SPDT	0.15 to 12 (0.037 to 2.99)	0.07 (0.017)	Adjustable	Yes	L BKT182-1R
P32AC-2C <sup>2</sup>									U BKT229-1R
P32AF-1C									L BKT182-1R
P32AF-2C <sup>2</sup>									U BKT229-1R

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.

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