



# PRESSURE

## DIFFERENTIAL PRESSURE SWITCHES P74 SERIES

### DESCRIPTION

The **Model P74 Differential Pressure Switch** measures the difference in pressure exerted upon its two sensing elements and operates an SPDT switch at the differential pressure setpoint. The setpoint may be adjusted without removing the cover and is visible on a calibrated scale.

### FEATURES

- **Brass bellows**
- **Completely enclosed contact mechanism**
- **Externally adjustable with visual setpoint scale**
- **Universal mounting bracket supplied**
- **Heavy-duty elements withstand high overrun pressure**
- **For air, oil, or other liquids**



P74FA-1

### APPLICATIONS

These differential pressure controls are used as operating controls and/or alarm controls. They are available for applications sensing air, oil, or liquid. Typical applications include proof-of-flow across a chiller or water-cooled condenser, proof-of-flow in a heating system, and lube oil pressure sensing on refrigeration compressors. In the water chiller application, the control provides low temperature protection. On proof-of-flow applications, the control measures pressure drop across two different points in either a closed water circulating system or a city water supply system. On a proof-of-flow application in a water chiller system, the control activates an alarm or signal light to warn the operator if a loss of water flow occurs.

### SPECIFICATIONS

MODEL*	PRESSURE DIFFERENTIAL RANGE psid (kPa)	CONNECTOR SIZE	SWITCH ACTION	ELECTRICAL RATING	SWITCH DIFFERENTIAL psig (kPa)	MAX OVERRUN PRESSURE psig (kPa)
P74FA-1	8-60 (55-414)	1/4" male flare	SPDT snap-acting	6A 120V, 50/60 Hz	1.5 (10)	180 (1241)
P74FA-5		1/4" FNPT	SPDT snap-acting	6A 120V, 50/60 Hz		
P74JA-2		1/4" male flare	SPDT floating	1A 24V, 50/60 Hz		
P74EA-8	2-30 (14-207)	3/8" capillary with 1/4" flare nut	SPDT snap-acting	16A 120V, 50/60 Hz	2.5 (17)	

\* Add **-C** to the end of the model number to request specific calibration. Please specify the setpoint.

### ORDERING INFORMATION

Specify model number as shown in Specifications above.