Dwyer

SERIES ADPS/EDPS/BDPA

HVAC DIFFERENTIAL PRESSURE SWITCHES
With Dual Scale Field Adjustable Set Point Knob

The Series ADPS/EDPS/BDPA HVAC Differential Pressure Switches are designed for pressure, vacuum, and differential pressures. The dual scaled adjustable knob in inches water column and pascals allows changes to the switching pressure to be made without a pressure gage. The ADPS/EDPS/BDPA are available with settings from 0.08 in w.c. (20 Pa) up to 20 in w.c. (5000 Pa). The silicone diaphragm and PA 6.6 body make the series ADPS ideal for use with air and other noncombustible gases. Series EDPS models meet UL508 and are constructed of plenum rated plastics. The series BDPA Adjustable Differential Pressure Alarms offer a versatile range of configurations battery or line powered. The compact size, adjustment knob and low cost make the series ADPS/EDPS/BDPA the perfect choice for HVAC applications.

FEATURES/BENEFITS
• Adjustment knob changes switching pressure easily with a pressure gage reducing components for application
• Low cost device makes it an excellent solution in BAS and HVAC applications requiring duct control and monitoring
• Relay contact allows simple integration with DDC or building systems

APPLICATIONS
• Air filter and ventilator monitoring
• Fire-protection damper control
• Industrial cooling circuits
• Ventilation duct monitoring
• Fan heater overheating protection
• Heat exchanger frost protection

SPECIFICATIONS
Service: Air and non-combustible, compatible gases.
Wetted Materials: ADPS: Diaphragm material: Silicone; Housing material: POM; Switch body: PA 6.6; Cover: Polystyrene; BDPA: Diaphragm material: Silicone; Housing material: Switch body: PA 6.6; Cover: Polystyrene; Materials UL 94 V-0 rated.
Temperature Limits: Process and ambient temperature from -4 to 185°F (-20 to 85°C).
Storage: -40 to 185°F (-40 to 85°C).
Pressure Limits: Max. operating pressure: 40 in w.c. (10 kPa) for all pressure ranges.
Switch Type: Single-pole double-throw (SPDT).

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