



PS-ADPSXXXXP Series

Air Pressure Switches (Plastic Housing)



Overview

The PS-ADPSXXXXP Series air differential pressure switch is a general purpose airflow proving switch designed for HVAC and Energy Management applications. It may be used to sense positive, negative, or differential air pressure.

Applications

- Monitoring filters
- Measuring duct static pressure

Features & Benefits

- The housing contains a diaphragm, snap-acting SPDT switch, and set point adjusting knob with indication
- The two sample connections located on the side accept 6.35mm (0.25") OD tubing
- An enclosure cover guards against accidental contact with the live switch terminal screws and the set point adjusting knob
- The enclosure cover will accept a 12.7 mm (0.5") conduit connection or M20 connection
- Optional pressure ranges available

Model Selection

PS-ADPS01WCPRN	Air flow switch, 0.08" - 1.20" W.C. (20-300 Pa), 0.04" W.C. (10 Pa) switch differential, 1/2" NPT connection, plastic enclosure.
PS-ADPS02WCPRN	Air flow switch, 0.2" - 2.0" W.C. (50-500 Pa), 0.06" W.C. (15 Pa) switch differential, 1/2" NPT connection, plastic enclosure.
PS-ADPS10WCPRN	Air flow switch, 2.0" - 10.0" W.C. (500-2500 Pa), 0.8" W.C. (200 Pa) switch differential, 1/2" NPT connection, plastic enclosure.
PS-ADPS01WCPRM	Air flow switch, 0.08" - 1.20" W.C. (20-300 Pa), 0.04" W.C. (10 Pa) switch differential, M20 connection, plastic enclosure.
PS-ADPS02WCPRM	Air flow switch, 0.2" - 2.0" W.C. (50-500 Pa), 0.06" W.C. (15 Pa) switch differential, M20 connection, plastic enclosure.
PS-ADPS10WCPRM	Air flow switch, 2.0" - 10.0" W.C. (500-2500 Pa), 0.8" W.C. (200 Pa) switch differential, M20 connection, plastic enclosure.

Product Specifications

Environmental

Operating temperature _____ -20 °C to 60 °C (-4 °F to 140 °F), medium and ambient temperature
Storage temperature _____ -40 °C to 85 °C (-40 °F to 185 °F)

Physical

Adjustment knob markings _____ Scaled in Pascal and inches WC
Switch tolerance _____ ±15%
Maximum operating pressure _____ 1.45 PSI (10 kPa) for all pressure ranges
Sample media _____ Air, non-combustible and non-aggressive gases
Diaphragm material _____ Silicone, tempered at 200 °C, free of gas emissions
Pressure connections _____ 2 plastic pipe connections pieces
(P1 and P2), external diameter 6.0 mm
P1 for connection to higher pressure
P2 for connection to lower pressure

Electrical

Electrical rating _____ Max. 1.0A (0.4A) / 250 VAC, 50/60 Hz
Max. 0.1 A / 24 VDC
Electrical connections _____ AMP flat plug 6.3 mm x 0.8 mm
Push-on screw terminals
Cable conduit with cable relief

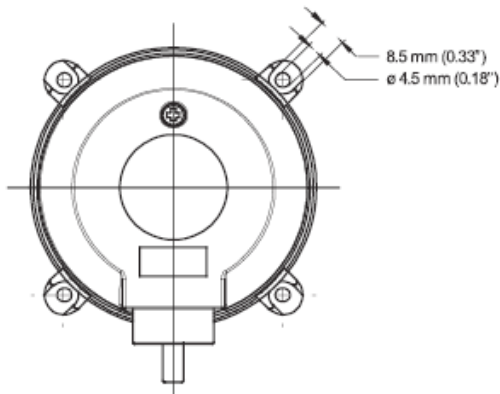
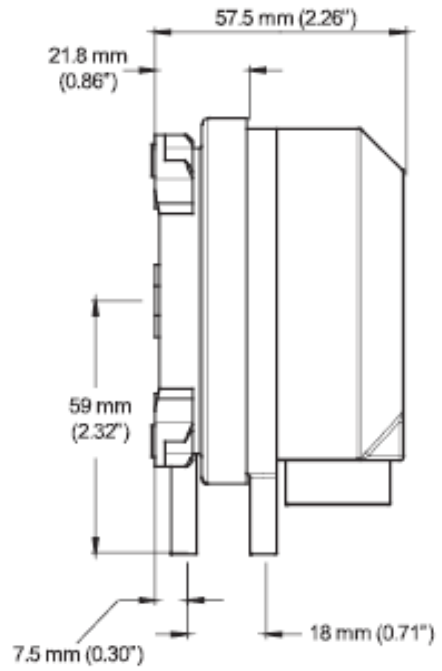
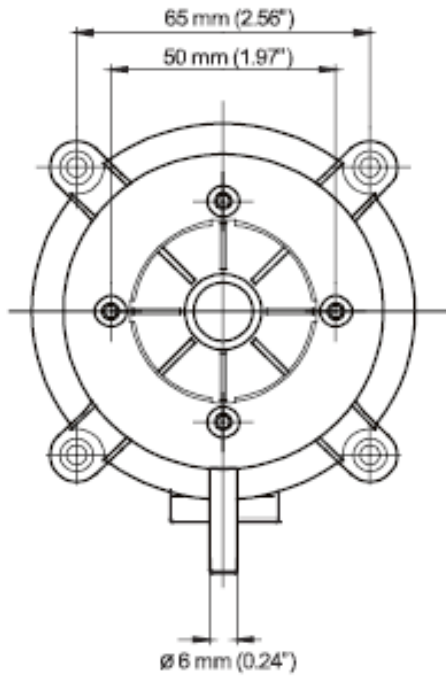
Life Cycle

Mechanical working Life _____ Over 10 million switching operations

Mechanical

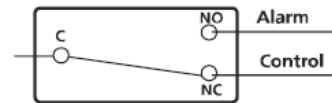
Housing materials _____ Switch body made of PA 6.6, cover made of PC
Protection category _____ IP54 with cover (NEMA 13)
Weight _____ With cover 160 g
Included accessories _____ 2 meters of PVC hose and 2 plastic tubes
Set of 3 push-on screw terminals
Agency Approvals _____ UL508 & CSA 22.2

Dimensions (mm and in.)

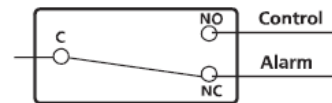


Alarm or Control

To prove excessive airflow or pressure



To prove insufficient airflow or pressure



Specifications subject to change without notice.
Distech Controls, and the Distech Controls logo are trademarks of Distech Controls Inc. All other trademarks are property of their respective owner.
©, Distech Controls Inc., 2015 to 2017. All rights reserved.