

TECHNICAL DATA SHEET

Dwyer Differential Pressure Switch



DESCRIPTION

Dwyer series ADPS/EDPS Adjustable Differential Pressure Switch. Designed for pressure, vacuum and differential pressure. Silicone diaphragm makes it ideal for use with air and other non combustible gases. Available in settings from 20 Pa to 5000 Pa. An added installation kit including 2 static tips and 7ft of PVC tubing is also available as an extra option.



TECHNICAL SPECIFICATION

Material	Silicone
Display Range	20 pascals to 5000 pascals
Installation Kit	Optional

FEATURES

- Range of settings from 20 Pa to 5000 Pa
- Compact size
- Silicone Diaphragm and Adjustment knob
- Designed for pressure, vacuum and differential pressure
- Optional Installation kit
- Delivery: 2 to 3 working days
- Dual scaled

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Available in settings from 20 Pa to 5000 Pa. An added installation kit including 2 static tips and 7ft of PVC tubing is also available as an extra option. Compact size. Silicone Diaphragm and adjustment knob.

PRODUCT APPLICATIONS

- Monitoring air filters and ventilators
- Monitoring industrial cooling-air circuits
- Overheating protection for fan heaters
- Monitoring flows in ventilation ducts
- Controlling air and fire-protection dampers
- Frost protection for heat exchanges



Installation kit: 2 static tips and 7ft of PVC tubing

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SPECIFICATIONS

Service	Air and non-combustible, compatible gases
Wetted Materials	ADPS: Diaphragm material: Silicone; Housing material: POM; Switch body: PA 6.6; Cover: Polystyrene; EDPS: 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" w.c. (10 kPa) for all pressure ranges
Switch Type	Single-pole double-throw (SPDT)
Electrical Rating	Max. 1.5 A res./0.4 A ind./250 VAC, 50/60 Hz; Max. switching rate: 6 cycles/min
Electrical Connections	Push-on screw terminals. M20x1.5 with cable strain relief or optional 1/2" NPT connection
Process Connections	5/16" (7.94 mm) outside diameter tubing, 1/4" (6.0 mm) inside diameter tubing
Enclosure Rating	NEMA 3 (IP54)
Mounting Orientation	Vertically, with pressure connections pointing downwards
Mechanical Working Life	Over 106 switching operations
Weight	4.4 oz (125 g)
Compliance	CE, ETL approved to UL508 and CSA C22.2#14 (EDPS only)