

SERIES ADPS/EDPS | HVAC DIFFERENTIAL PRESSURE SWITCHES



BENEFITS/FEATURES

- · 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

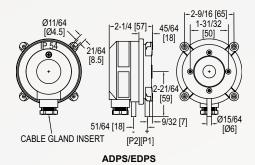
- · Air filter and ventilator monitoring
- · Industrial cooling circuits
- Fire-protection damper control
- Ventilation duct monitoring
- Fan heater overheating protection
- · Heat exchanger frost protection

DESCRIPTION

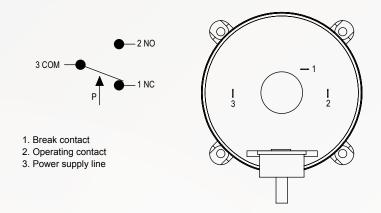
The Series ADPS/EDPS HVAC Differential Pressure Switches are designed for pressure, vacuum, and differential pressures. The dual scaled adjustment knob in inches water column and pascals allows changes to the switching pressure to be made without a pressure gage. The ADPS/EDPS are available with settings 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 compact size, adjustment knob and low cost make the ADPS/EDPS the perfect choice for HVAC applications.

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 in 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.
Process Connections	5/16" (7.94 mm) outside diameter tubing, 1/4" (6.0 mm) inside diameter tubing.
Enclosure Rating	NEMA 13 (IP54).
Mounting Orientation	Vertically, with pressure connections pointing downwards.
Mechanical Working Life	Over 10 ⁶ switching operations.
Weight	4.4 oz (125 g).
Compliance	ETL approved to UL508 and CSA C22.2#14 (EDPS only).
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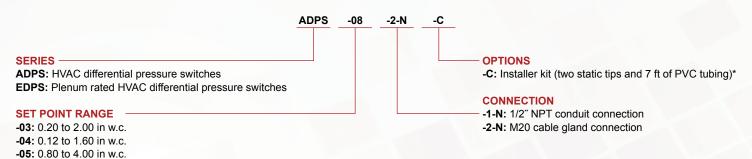


WIRING DIAGRAM



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



*ADPS cable gland models only (-2-N)

ORDER ONLINE TODAY!

dwyer-inst.com

-06: 2.00 to 10.00 in w.c. **-07:** 4.00 to 20.00 in w.c. **-08:** 0.08 to 1.20 in w.c.

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DS-ADPS-EDPS