DIFFERENTIAL PRESSURE SWITCHES

**EDPS**
- Frost protection for heat exchanges
- Monitoring flows in ventilation ducts
- Overheating protection for fan heaters
- Monitoring industrial cooling-air circuits

**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 damper
- Frost protection for heat exchanges

**WEIGHT**

- 5.6 oz (160 g)

**ELECTRICAL RATINGS**

- Max. 1.5 A res./0.4 A ind./250 VAC, 50/60 Hz; Max. switching rates: 6 cycles/min.

**PRESSURE LIMITS**

- Max. operating pressure: 40" w.c. (10 kPa) for all pressure ranges.

**DEAD BAND**

- Approx. Dead Band @ Max Set Point in w.c. (Pa):
  - ADPS: 0.04 to 1.4 (10 to 350) in the accessories list.
  - EDPS: 0.05 to 1.4 (15 to 350) in the accessories list.

**TEMPERATURE LIMITS**

- Process and ambient temperature from -4 to 185°F (-20 to 85°C).

**WETTED MATERIALS**

- Air and non-combustible gases.

**SERVICING**

- Single-pole double-throw (SPDT).

**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 UL94 V-0 rated.
- Temperature Limits: Process and ambient temperature from -4 to 185°F (-20 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 rates: 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 13 (IP54).
- Mounting Orientation: Vertically, with pressure connections pointing downwards.
- Mechanical Working Life: Over 10^6 switching operations.
- Weight: 5.6 oz (169 g).
- Agency Approvals: CE, ETL approved to UL508 and CSA C22.2#14 (EDPS only), RoHS.

**ACCESSORIES**

- A-288, "L" type metal mounting bracket with screws: $3.50
- A-289, "S" type metal mounting bracket with screws: $3.50
- A-480, Plastic static pressure tip: $0.80
- A-481, Installer kit. Includes 2 plastic static pressure tips and 7 feet (2.1 m) of PVC tubing: $4.25
- A-489, 4" Straight Static Pressure Tip with Flange: $6.67

Note: For optional 1/2" NPT conduit connection, change -2-N to -1-N. Models that include installer kit add -C to the end of the model number (-2-N cable gland models only). Installer kit includes two static tips and 7 feet of PVC tubing. Order installer kit separately with 1/2" NPT conduit connection models. See A-481 in the accessories list.

**PRICE INDEX**

- ADPS-03-2-N: $21.25
- ADPS-04-2-N: $28.00
- ADPS-05-2-N: $28.00
- ADPS-06-2-N: $28.00
- ADPS-07-2-N: $28.00
- EDPS-03-1-N: $28.00
- EDPS-04-1-N: $28.00
- EDPS-05-1-N: $28.00
- EDPS-06-1-N: $28.00
- EDPS-07-1-N: $28.00

Note: For optional M20 cable gland connection, change -1-N to -2-N.