1630 switches described on the previous page. The Model 1640, however, is equipped with innovation. The unique electric switch design in the 1640 is another Dwyer Instruments, Inc. feature that makes it the superior choice for high duct static cutout applications.

**Series 1831**

**DPDT Low Differential Pressure Switches**

Manual Reset, No Power Required

**SPECIFICATIONS**

- **Service**: Air and non-combustible, compatible gases.
- **Wetted Materials**: Consult factory.
- **Temperature Limits**: -30 to 110°F (34 to 43.3°C).
- **Pressure Limits**: 10 psig (68.95 kPa) continuous, 25 psig (172.4 kPa) surge.
- **Switch Type**: 2 SPDT.
- **Actuation Time Difference**: 1 millisecond maximum actuation delay between contacts.

**ACCESSORIES**

- A-489, 4” Straight Static Pressure Tip with Flange
- A-491, 6” Straight Static Pressure Tip with Flange
- A-493, 8” Straight Static Pressure Tip with Flange
- A-302F-A, 303 SS Static Pressure Tip with Flange and conduit. For 3/16” ID rubber or plastic tubing. 8” insertion depth. Includes mounting screws (1 lb 2 oz (522 g)).

**Series 1640**

Floating Contact Null Switch for High and Low Actuation

Visual Set Point Adjustment...Adjustable Null Zone

**SPECIFICATIONS**

- **Service**: Air and non-combustible, compatible gases.
- **Wetted Materials**: Consult factory.
- **Temperature Limits**: -30 to 110°F (-34 to 43.3°C).
- **Pressure Limits**: 10 psig (68.95 kPa) continuous, 25 psig (172.4 kPa) surge.
- **Switch Type**: Single-pole double-throw (SPDT) floating contact (not snap action).
- **Electrical Rating**: Non-inductive — 1 A @ 110 VAC; 0.5 A @ 24 VDC; 0.5 A @ 110 VAC; 2.5 A @ 110 VAC; 1.5 A @ 220 VAC; 0.5 A @ 24 VDC (derate 70-80% for very slow pressure changes).

**Electrical Connections**: 3 screw type, common, normally open and normally closed.

**Process Connections**: 1/8” female NPT.

**Mounting Orientation**: Diaphragm in vertical position. Consult factory for other position orientations.

**Set Point Adjustment**: Screw type inside mounting spud. Weight: 4 lb 13 oz (2.18 kg).

Agency Approvals: CE.

See page 587 for process tubing options.