Our old faithful switch design is still best where highest precision combined with diaphragm sealed leak proof construction and mounting simplicity are required. Model 1626 and 1627 differential pressure switches are identical in design and construction except that Model 1626 has a single electric switch and Model 1627 has dual electric switches. Model 1627 can therefore provide dual control when required. It can be set to open or close two independent electrical circuits, each preset for its own actuation pressure. Both units have diaphragm sealed motion take outs providing maximum protection against leakage.

CAUTION: For use only with air or compatible gases.

### SPECIFICATIONS

**Service:** Air and non-combustible, compatible gases.

**Wetted Materials:** Consult factory.

**Temperature Limits:** -30 to 130°F (-34.4 to 54.4°C).

**Pressure Limits:** Max. 50 in. w.c. (12.44 kPa) continuous, 2 psig (13.79 kPa) surge.

**Switch Type:** 1626, single-pole double-throw (SPDT); 1627, two single-pole double-throw (SPDT).

**Repeatability:** ±1%.

**Electrical Rating:** 15 A @ 120-480 VAC, 60 Hz. Resistive, 1/8 HP @ 110 VAC; Inductive — 1 A @ 110 VAC; 0.5 A @ 220 VAC; 0.5 A @ 24 VDC (de-rate 70-80% for very slow pressure changes).

**Agency Approvals:** CE.

### Series 1620

Single and Dual Pressure Switches

High Reliability . . . Repetitive Accuracy within ±1%

The unique electric switch design in the 1640 is another Dwyer Instruments, Inc. innovation. The Dwyer® Model 1640 Differential Pressure Switch resembles the Series 1630 switches described on the previous page. The Model 1640, however, is equipped with a single pole, double throw floating contact switch (not snap acting) so it functions as a null switch. Drawing shows the switching action schematically. As the diaphragm moves in response to pressure changes, it moves the floating contact to cause switching action at two preset points with no switching action between these points. The “high” circuit will be closed when rising pressure differential reaches the preset level. The “low” circuit will be closed when falling pressure differential reaches the preset level.

CAUTION: For use only with air or compatible gases.

### Single and Dual Pressure Switches

**Operating Range**

- **Model 1626:** 3.0 to 12.0 Inches, w.c.
- **Model 1627:** 1.2 to 4.8 Inches, w.c.

**Operating Range**

- **Model 1640-1:** 1.0 to 4.0
- **Model 1640-2:** 2.0 to 6.0
- **Model 1640-3:** 3.0 to 12.0

**Adjustable Null Zone**

- **Model 1626:** .01 to .03
- **Model 1627:** .02 to .06
- **Model 1640:** .03 to .18

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

**Process Connections:** 1/8˝ female NPT, common, normally open and normally closed.

**Agency Approvals:** CE.

**Weight:**

- **Model 1626:** 3 Ib, 9.8 oz (1.64 kg)
- **Model 1627:** 3 Ib, 11.8 oz (1.69 kg)

**Agency Approvals:** CE.