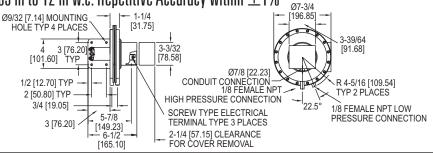




# LARGE DIAPHRAGM PRESSURE SWITCH

Visual Set Point Adjustment in 5 Standard Ranges, 0.05 in to 12 in w.c. Repetitive Accuracy within  $\pm 1\%$ 





On the Series 1630 Large Diaphragm Pressure Switch our highest precision conventional large diaphragm pressure switch provides maximum dependability. In addition, it incorporates a visible set point indicator for maximum convenience. UL and CSA listed. FM approved for general service. Electrical capability of 15 amps handles most small electrical loads. For use only with air or compatible gases.

#### FEATURES/BENEFITS

- Visible set point indicator simplifies operation and trouble shooting
- Large diaphragm provides low range accuracy providing precise control
- Current loads of up to 15 amps supports most small electrical loads supporting a broader range of HVAC and Process applications without the need for additional relavs and components

### **APPLICATIONS**

- · Damper positioning
- Air conditioning
- Duct air control
- Industrial service

MODEL CHART			
	Operating Range	Approximate Deadband	
Model	in w.c.	Min. Set Point	Max. Set Point
	0.05 to 0.25 0.20 to 1.0 1.0 to 3.0 2.0 to 6.0	0.04 0.04 0.06 0.07	0.05 0.06 0.08 0.25
1638-10	3.0 to 12	0.11	0.30

# **SPECIFICATIONS**

Service: Air and non-combustible, compatible gases.

Wetted Materials: Consult factory. Temperature Limits: -30 to 110°F (-34.4

to 43.3°C).

Pressure Limits: 10 psig (68.95 kPa) continuous, 25 psig (172.4 kPa) surgé. Switch Type: SPDT.

Repeatability: ±1%.

**ACCESSORIES** 

Electrical Rating: 15 A @ 120-480 VAC, 60 Hz. Resistive 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz.

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 with enclosed scale.

Weight: 3 lb 3 oz (1.50 kg). Agency Approvals: CSA, FM, UL.

4" straight static pressure tip with flange A-302F-A 303 SS static pressure tip with mounting flange; for 3/16" ID rubber

## **OPTIONS**

Model

## MIL Environmental Construction

Description

Unlisted Model 1635 can be furnished with a special sealed snap switch for protection against high humidity, fungus and/or military applications. Similar to Model 1638 except deadband is slightly greater and some lower setpoints may not be available. Note: To order, specify Model 1635-(Range No.)-MIL and required set point.

or plastic tubing; 4" insertion depth; includes mounting screws

Process Tubing Options: See page 455 (Gage Tubing Accessories)