

247796 - BASIC 1/4"  
247797 - BASIC 1/2"

**DESCRIPTION**

The pressure switch monitors air pressure and provides an electrical output when the pressure drops below or exceeds an adjustable preset pressure.

**WARNING**

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **Technical Data**.

**TECHNICAL DATA**

Maximum inlet pressure: 300 psig (20 bar)  
Temperature range: 14° to 175°F (-10° to 79°C)  
Maximum voltage: 250VAC/DC  
Maximum current: 5 Amp  
Adjustable range: 30 to 150 psig (2 to 10 bar).  
Shipped from factory preset at 90 psig (6.2 bar).  
Repeatability: 3% of range  
Accuracy: 12% dead band at mid range.  
Protection: NEMA 4, IP 65  
Contacts: SPDT  
Auxiliary port: 1/4" PTF

The user of these products is cautioned to conform to all applicable electrical, mechanical, and other codes in the installation and operation of these products.

Do not use these products with fluids other than air, for nonindustrial applications, or for life-support systems.

**INSTALLATION**

1. Attach the pressure switch (1 thru 7) to the subbase (8) with screws (3).
2. Install the assembled pressure switch and subbase in the air line using clamps and pipe adapters.

**ELECTRICAL CONNECTIONS**

1. Shut off electrical power.
2. Remove screw (1). Pull connector (4) from switch (5).
3. Remove terminal block located inside the connector (4).
4. Loosen gland nut (2). Run the customer supplied cable (9) thru gland nut and connector.
5. Connect the cable wires to contacts 1 and 2 or 1 and 3 as shown.
6. Reinstall terminal block in connector (4) and tighten gland nut (2).
7. Plug connector (4) onto switch (5) and install screw (1).

**ADJUSTMENT**

1. Apply the desired switching air pressure to the pressure switch.
2. Turn adjusting screw (6) with a 0.125" (3 mm) hex wrench until the switch contacts close (or open, depending on the electrical wire connections) and an electrical output is produced. One complete revolution of the adjusting screw covers the complete adjustment range of 30 to 150 psig (2 to 10 bar).

