**INSTALLATION**
To install the switches, use a suitable wrench on the port and plumb into place with the proper sealant. For electrical wiring, refer to wiring codes on page 3 and to the specification sheet for the switch ratings. All switches are maintenance-free.

**LOCATING AND ACCESSING THE ADJUSTER**

**PS31, PS32, PS51, PS52, PS61, PS62, PS83 and PS91:**
The slotted adjustment screw is located on top of the unit. Using a flat bladed screwdriver, turn the screw clockwise to increase the set point and counter-clockwise to decrease the set point.

**PS93:**
The 5/64" Allen head screw is located inside the low-pressure port.

**PS77:**
Remove the front cover to reveal a hex adjuster nut, locking nut and the electrical switch dead band thumbwheel.

**PS11, PS41, PS71, PS72, PS75, PS76 and PS81:**
Remove the plastic cover to reveal a 1/8" Allen head screw.

**All Other Models with HC or HN Option:**
Remove the screw in the center of the DIN adaptor. Remove the DIN adapter.

**All Other Models without HC or HN Option:**
Remove the 1/8" Allen head set screw at the top of the unit which serves as a cover for the actual 1/8" Allen head adjustment screw.
ADJUSTING THE SET POINT

All adjustments except for the PS93 are performed while applying a known pressure (or vacuum) and monitoring the electrical contacts. The PS93 must be removed from the system for adjustment and reinstalled to verify the setpoint.

**PS31, PS32, PS51, PS52, PS61, PS62 and PS91:**
Using a flat bladed screwdriver, turn the screw clockwise to increase the setpoint and counterclockwise to decrease the setpoint.

**PS83:**
Using a flat bladed screwdriver, turn the screw clockwise to decrease the vacuum setpoint and counterclockwise to increase the vacuum setpoint.

**PS93:**
Using a 5/64” Allen key, turn the screw clockwise to increase the differential setpoint and counterclockwise to decrease the differential setpoint.

**PS77:**
**Pressure Adjustment:** Using a 3/4” open-ended wrench, loosen the locknut. Using a 5/8” open-ended wrench, turn the adjuster clockwise to increase the setpoint and counterclockwise to decrease the setpoint. Once the desired setting is obtained tighten the locknut with the 3/4” open-ended wrench while holding the adjuster with the 5/8” open-ended wrench.

**Deadband Adjustment:** Turn the thumbwheel clockwise to increase the deadband and counterclockwise to decrease the deadband. Deadband is the difference in pressure between the increasing pressure setpoint and decreasing pressure setpoint.

**PS82:**
Using a 1/8” Allen key, turn the screw clockwise to decrease the vacuum setpoint and counterclockwise to increase the vacuum setpoint.

**PS11 and All Other Models**
Using a 1/8” Allen key, turn the screw clockwise to increase the setpoint and counterclockwise to decrease the setpoint.

VERIFICATION OF SETPOINT

Verify the new setpoint by slowly increasing and decreasing the pressure (or vacuum) while monitoring the electrical contacts. Repeat the adjustment procedure if necessary to obtain the desired setpoint.

REASSEMBLY (IF APPLICABLE)

**PS77:**
Install the front cover by tightening the four slotted screws.

**PS41, PS71, PS72, PS75 and PS76:**
Snap the plastic cover onto the electrical housing.

**All Other Models with HC or HN Option:**
Install the DIN adapter. Install and tighten the screw.

**All Other Models without HC or HN Option:**
Install the 1/8” Allen adjustment screw cap at the top of the unit.

PRESSURE EQUIPMENT DIRECTIVE

The pressure switch is designed and manufactured in accordance with Sound Engineering Practice as defined by the Pressure Equipment Directive 97/23/EC. This pressure switch must not be used as a “safety accessory” as defined by the Pressure Equipment, Article 1, Paragraph 2.1.3.

The CE Mark on the unit does not relate to the Pressure Equipment Directive.

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**How To Wire a DIN**

<table>
<thead>
<tr>
<th>Connector Code</th>
<th>Wire Colors</th>
<th>Connector Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>WM (uses Delphi Male Terminal P/N 12089040 OR)</td>
<td>A Black (Com) Red (NO)</td>
<td>B A</td>
</tr>
<tr>
<td>WF (uses Delphi Female Socket P/N 12089188)</td>
<td>B Black (Com) Green (NC)</td>
<td>B C</td>
</tr>
<tr>
<td></td>
<td>C Black (Com) Green (NC) Red (NO)</td>
<td>A</td>
</tr>
</tbody>
</table>

**Wiring Chart**

<table>
<thead>
<tr>
<th>Lead &amp; Din</th>
<th>Black (Com) Red (NO) Green (NC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WM (uses Delphi Male Terminal P/N 12089040 OR)</td>
<td>A B 1</td>
</tr>
<tr>
<td>WF (uses Delphi Female Socket P/N 12089188)</td>
<td>B 2 1</td>
</tr>
<tr>
<td></td>
<td>C 2 2 1</td>
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</tbody>
</table>