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Pressure Switches

Instruction Bulletin No. 174180

For Pressure Switch Series: **PS-D, PS-E, PS-EH, PS-EV, PS-FA, PS-FB, PS-J and PS-K**

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 the next page and to the specification sheet for the switch ratings. For low DC loads (<50 mA, TTL logic) use switches with gold contacts. All the switches are adjustable unless they were ordered with the IP68 submersible option, in which case they are factory set and not field adjustable. All switches are maintenance-free.

Adjusting the Set point (Except for Series PS-D)

For DIN Connector Style Switches

- A) Remove DIN connector, except on **PS-FA** and **PS-K** models.
 - On the **PS-FA** model remove the **top cover**
 - On the **PS-K** model remove the **front cover**
- B) Remove center screw with female internal thread
(*not applicable for PS-FA and PS-K models*)

Then follow the steps below.

For All Switch Styles

- 1) All non-DIN models, except the **PS-J**, have an outer 1/8" Allen head cap that must be removed to allow access to the 1/8" Allen adjustment screw. Using a 1/8 inch Allen (Hex) wrench, adjust **clockwise to increase** the set point and **counterclockwise to lower** the set point; **except for Models PS-K and PS-D**. (Adjustments are done while applying a known pressure and monitoring the switch's state.) **On Model PS-K**, use the correct spanner instead of an Allen wrench. **On Model PS-D**, a 5/64" Allen head adjustment screw is located inside the low pressure port.
- 2) After verifying the set point re-assemble the switch.

Model PS-K can have an adjustable dead-band, which is adjusted by a thumb wheel located on the micro-switch. **Clockwise increases** the dead-band and **counterclockwise reduces** the dead-band. Clockwise is viewed similar to a mechanical screw being tightened. Dead-band references the difference in pressure required to actuate and re-set the switch.

How To Wire a DIN



Wiring Code

Leads	DIN	
Black	#1	Common
Green	#2	Normally closed
Red	#3	Normally open

Warranty:

We guarantee this instrument against faulty workmanship and materials for a period of one year from date of delivery. The Company will undertake to repair, free of charge, ex-works any instrument found to be defective within the specified period; providing the instrument has been used within the specifications, in accordance with these instructions, and has not been misused in any way.

Detailed notice of such defects and satisfactory proof thereof must be given to the Company immediately after the discovery. The goods are to be returned free of charge to the Company, packed and accompanied by a detailed failure report.

Return to Factory:

To comply with health and safety requirements, the instrument must be clean and safe to handle and accompanied by a formal statement to that effect; duly signed by an authorized officer of the Company. Any instrument returned without certification will be quarantined and no action will occur until cleared. It may ultimately be returned to you, subject to a transportation charge.

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.

Series PS-EH

