

Bulletin A-30 - AVS/APS
INSTALLATION PROCEDURES FOR MODELS:
AVS - APS

VACUUM AND PRESSURE SWITCHES

Dwyer® Instruments Inc.

CAUTION

This instrument must not be subjected to temperatures, pressure or electrical loads exceeding those appearing on the name plate, and specifications in our published literature.

INSTALLATIONS AND ASSEMBLY INSTRUCTIONS

Before installing your DII pressure switch, please become familiar with the general information contained in the literature and Technical Specifications Sheet covering the specific switch.

"C" SET

Customer set and field adjustable.

Electric Connection If your switch has standard solder-type terminals, push-on receptacles may be used as interface between your wires and the terminals. These receptacles are available upon request. Should you choose to solder the connection, care must be used when soldering leads to the terminals of these switches, following the recommendations below.

We recommend that a soldering iron with an 1/8" diameter THERMOSTATICALLY controlled tip of 500 °F be used and that it not be on the terminal longer than 10 seconds.

Excessive heat and flux can cause serious damage to the switch.

Pressure Connection Use a wrench on the hex part of the fitting only. DO NOT TORQUE the switch body.

PRESSURE SET POINT ADJUSTMENT - JAM NUT STYLE ADJUSTING RING MODELS.

The C switches are readily adjustable throughout their prescribed range by loosening the adjusting ring. Turning the electrical switch clockwise will lower the set point, turning it counterclockwise will increase the set point. When desired set point is reached, the assembly is locked again by tightening the adjustable ring.

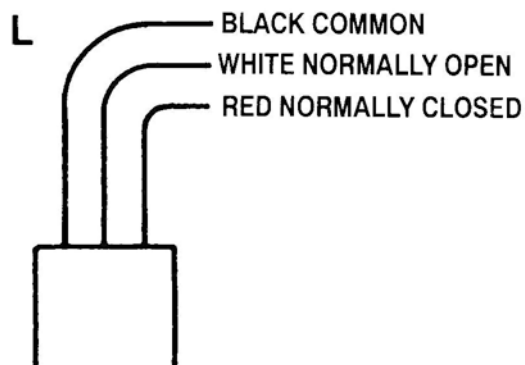
Entire adjustable range may be covered by rotating approximately 250 ° each side of the mean.

The adjusting ring requires very little effort to establish a reliable locked position. By placing a wrench on the fitting hex to hold switch body in position, grip the serrated jam nut with pliers and turn counterclockwise to loosen or clockwise to tighten. Only a slight snug is required to lock in position.

VACUUM SET POINT ADJUSTMENT - VACUUM MODELS

To lower set point turn electrical switch counterclockwise. To raise set point turn electric switch clockwise.

WIRING INSTRUCTION MODELS APS & AVS



LIMITATION OF APPLICATION LIABILITY:

Dwyer Instruments, Inc. assumes the buyer to be expert in his intended application of DII products. DII claims no special expertise in the application of its products in the buyer's equipment. DII accepts no responsibility for the buyer's selection and use of DII products. Buyer's interpretation and implementation of application suggestions and recommendations by DII, general or specific, transmitted verbally or in writing, published or unpublished, is strictly at the buyer's own risk.



Limited Warranty: The Seller warrants all Dwyer instruments and equipment to be free from defects in workmanship or material under normal use and service for a period of one year from the date of shipment. Liability under this warranty is limited to repair or replacement F.O.B. factory of any parts which prove to be defective within that time or repayment of the purchase price at the Seller's option provided the instruments have been returned, transportation prepaid, within one year from date of purchase. All technical advice, recommendations and services are based on technical data and information which the Seller believes to be reliable and are intended for use by persons having skill and knowledge of the business, at their own discretion. In no case is Seller liable beyond replacement of equipment F.O.B. factory or the full purchase price. This warranty does not apply if the maximum ratings label is removed or if the instrument or equipment is abused, altered, used at ratings above the maximum specified, or otherwise misused in any way.

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CAUTIONS

- Warranty may be void if the switch is either disassembled or modified after leaving factory.
- Warranty is void if temperature, pressure and electrical ratings are exceeded in test or in service.
- If switch is to be exercised more than 20 cycles per minute please consult Dwyer Instruments Inc.
- Do not use these pressure switches on OXYGEN service without prior degreasing and proper preparation.
- Customer media and environment must be compatible with construction materials as outlined in general specifications of DII Literature.
- Install pressure switch by utilizing the hex or wrench flats. Do not torque the switch body.

