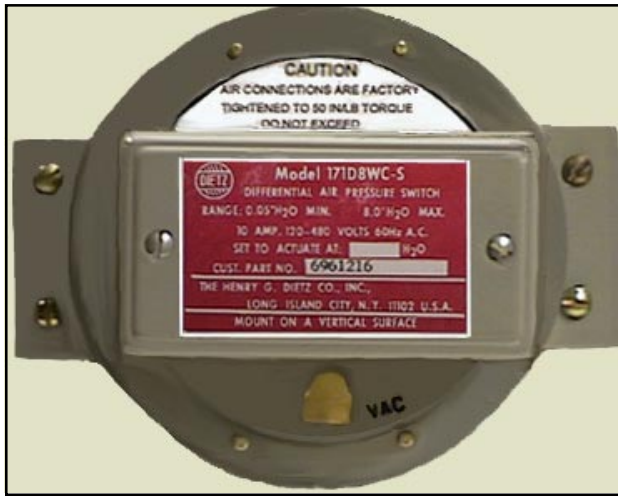


ULTRA LOW DIFFERENTIAL AIR PRESSURE SWITCH

MODEL 171D8WC-S



WITH EXTENDED RANGE AND FOR UNUSUALLY HARSH ENVIRONMENT USE

Dietz Model 171D8WC-S ultra low differential pressure switch is our most popular high quality unit. It is used in locomotives, ships, earth moving equipment, sewage plants, chemical plants, heavy industrial use, and applications subject to unusually harsh environments.

A single **Dietz Model 171D8WC-S** can be set to actuate at any value from 0.05" W.C. to 8.0" W.C. Housings are sealed and waterproof, dustproof, oil tight and waterproof for outdoor use. Epoxy finish is acid resistant, high strength zinc die castings are used and combined with extra precautions, such as not using self-tapping screws.

Units meet Shock test MIL-901D, Vibration and post-vibration testing per MIL-STD-167-1, Type 1.

Dietz Model 171D8WC-S can be used as an air flow switch to detect air velocity pressure of 900 to 11,000 feet of air flow per minute, and lower velocities if the static pressure or total pressure is used.

PHYSICAL DATA

Temperature limits: -30°F for dry air or gas to 180°F

Maximum surge pressure: 40" W.C.

Pressure connection: 1/8" NPT.

Electrical ratings: 10 Amps, 120-480 volts, 60Hz AC, 1/8 HP 125V AC, 1/4 HP 250V AC.

Wiring connections: 3 screw type, common, normally open, and normally closed.

Set point adjustment: Elastic stop-nut inside housing.

Diaphragm: Reinforced silicone.

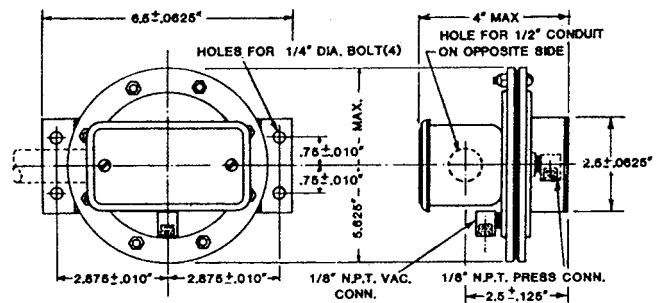
Weight: 2.75 pounds.

Installation: Diaphragm vertical.

Model No.	Operating Range In. W.C.	Approximate Dead Band Inches W.C.	
		at min. set point	at max. set point
171D8WC-S	0.05-8.0	0.03 Max.	0.3 Max.
171D8WC	0.15-8.0	0.05 Max.	0.3 Max.
171D8WC-S-DC	0.05-8.0	0.03 Max.	0.3 Max.

Note: 171D8WC is rated 15 Amps. AC.

171D8WC-S-DC is rated 75V DC, 0.75 Amps. resistive load.



INSTALLATION DRAWING

Contact The Henry G. Dietz Co., Inc. for products to detect air flow and low differential pressure.



Toll free: 888-866-5641

THE HENRY G. DIETZ CO., INC.

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