

INCH POUND

MIL-DTL-9395/48B

30 May 2001

SUPERSEDING

MIL-S-9395/48A(USAF)

1 April 1981

DETAIL SPECIFICATION SHEET  
 SWITCH, PRESSURE, ABSOLUTE  
 TYPE I, 5 AMPERES

This specification sheet is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the pressure switches described herein shall consist of this specification and the latest issue of MIL-DTL-9395.

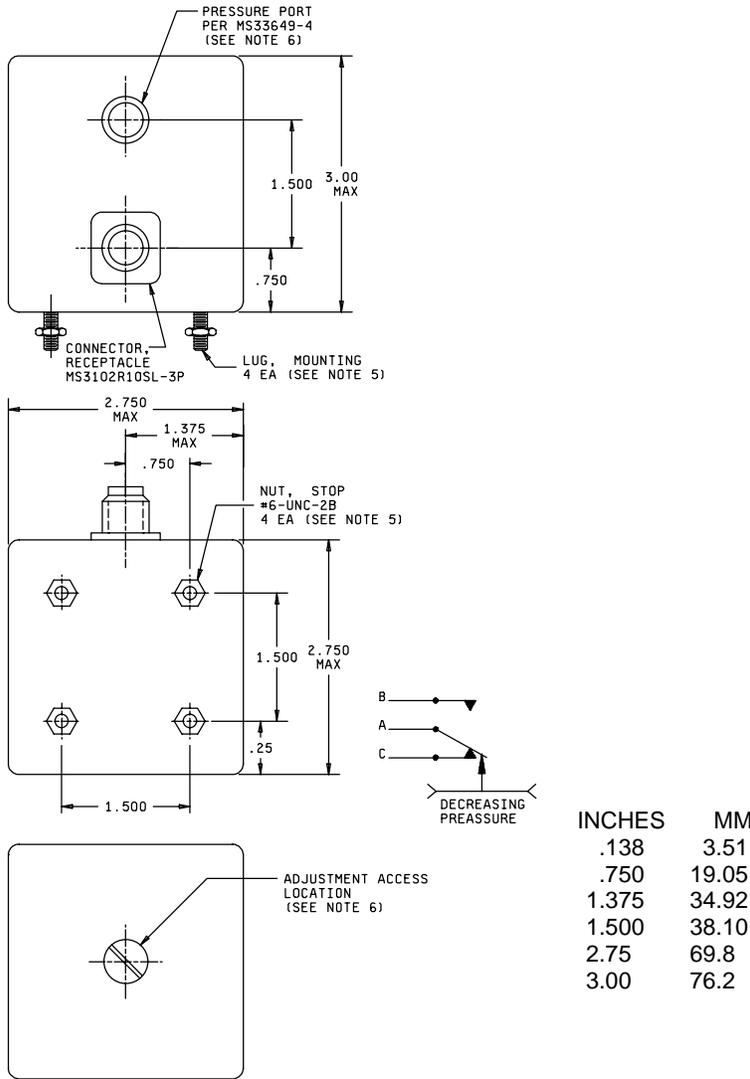


FIGURE 1. Dimensions and configuration.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and based upon 1.00 = 25.4 mm.
3. Unless otherwise specified, tolerance is  $\pm .02$  (.51 mm).
4. Exact shape of switch optional provided dimensions are not exceeded.
5. Switches shall be furnished with .138-32 UNC-2B self-locking nuts and .138-32 round-head brass machine screws. Screws shall have a durable dull black finish and shall be of sufficient length to permit mounting on a .188 (4.78 mm) thick panel.
6. See marking requirements.

FIGURE 1. Dimensions and configuration - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure.

Weight: Not to exceed 1 pound (453.6 grams).

Calibration: Switch shall activate at  $28 \pm 0.5$  inches Hga on decreasing pressure with a differential of  $3.5 \pm 1$  inches Hga.

Proof pressure: 50 inches Hga.

Adjustment feature: Switch shall be externally adjustable from 24 to 32 inches Hga.

System pressure: Not applicable.

Burst pressure: Not applicable.

Electrical ratings:

Operating voltage - 28 V dc.

Current rating - 5 amperes resistive.

Seal:

Electrical chamber: Unsealed.

Pressure chamber: Hermetic.

Reference chamber: Unsealed.

Electrical connector: See figure.

Pressure port: See figure.

Media: Air.

High temperature (operating and nonoperating): A (+160°F).

Low temperature (operating and nonoperating): D (-65°F).

Altitude: C (70,000 ft).

Shock: A (50 G).

Vibration: S (test condition A, 10-500 Hz, 10 G):

Life mechanical: A (100,000 cycles).

Life electrical: B (25,000 cycles).

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Acceleration: C (8 G).

Pulsation amplitude: A (0 %).

Pulsation frequency: A (0 Hz).

Dielectric withstanding voltage (at reduced barometric pressure): Applicable.

Connector torque: Applicable

Terminal strength: Applicable.

Marking: The pressure switch case shall be permanently marked adjacent to the pressure port with the letter "p" and directly above or below the adjustment with "Adj". In addition, the pressure port end of the unit shall be marked as follows: "CAUTION: DO NOT BLOW IN PRESSURE PORT"

Part number: M9395/48-01.

Custodians:

Air Force - 11

DLA - CC

Preparing activity:

DLA - CC

Review activity:

Air Force - 99

(Project 5930-1730-19)