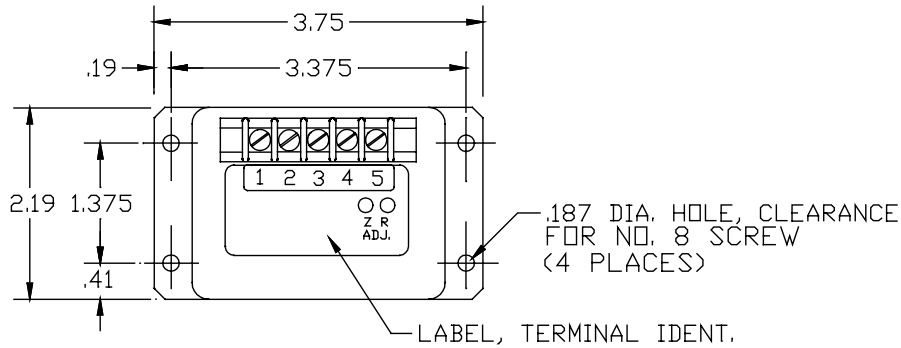


**AC VOLTAGE TRANSDUCER
PART NUMBER 101M3-150**



INPUT VOLTAGE

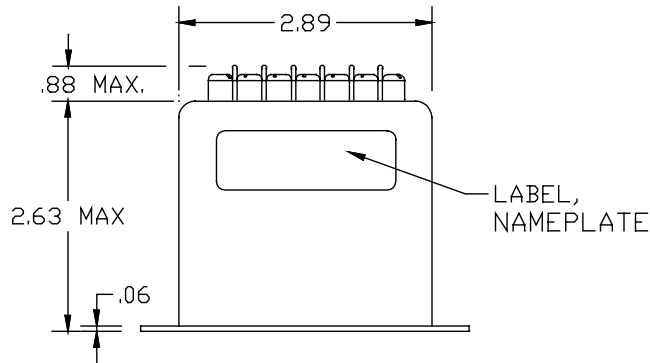
RANGE 90 to 150Vac RMS
 FREQUENCY 60Hz
 BURDEN 1 Va Typical
 OVERVOLTAGE CAPABILITY 200 Vac max.

OUTPUT SIGNAL

VOLTAGE SIGNAL (V min. to V max.) 0 to 5Vdc FS (Full Scale)
 ACCURACY ±0.5% FS (±25mV)
 RESPONSE Within 0.5 cycle of input frequency
 RIPPLE 1% 50mV RMS max.
 TEMPERATURE COEFFICIENT ± 0.08% FS/°C max. (±4mVdc /°c)
 OUTPUT IMPEDANCE 2.5 K-Ohms max.

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

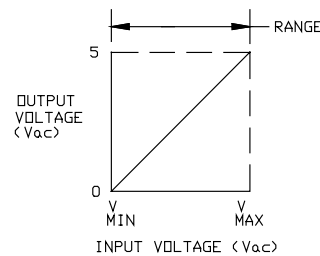
OPERATING TEMPERATURE RANGE -40° to +85°C
 STORAGE TEMPERATURE RANGE -55° to +100°C
 DIELECTRIC STRENGTH 300 V-RMS
 INSULATION RESISTANCE 100 M Ohms @ 500Vdc
 VIBRATION Operating, meet or exceed Method 201A of MIL-STD-202F and Method 514.3 cat. 4 of MIL-STD-810C.
 SHOCK Operating: 50g, 11 m-sec half sine pulse (meet or exceed method 213B, Condition A of MIL-STD-202F)
 MOISTURE RESISTANCE Meet or exceed Method 106 of MIL-STD-202F and Method 507.2 proc. 1 of MIL-STD-810C.
 OPERATING HUMIDITY 0% to 95% RH
 WEIGHT 20 oz. max.



TERMINAL IDENTIFICATION

1. A.C. INPUT HI
2. A.C. INPUT LO
3. CASE GROUND
4. OUTPUT (RTN)
5. OUTPUT (+)

CHARACTERISTIC CURVE



AAC	Drawing Number 700-101M3	Rev. F
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