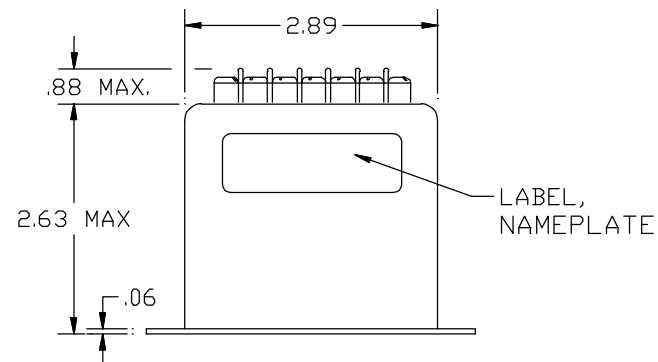
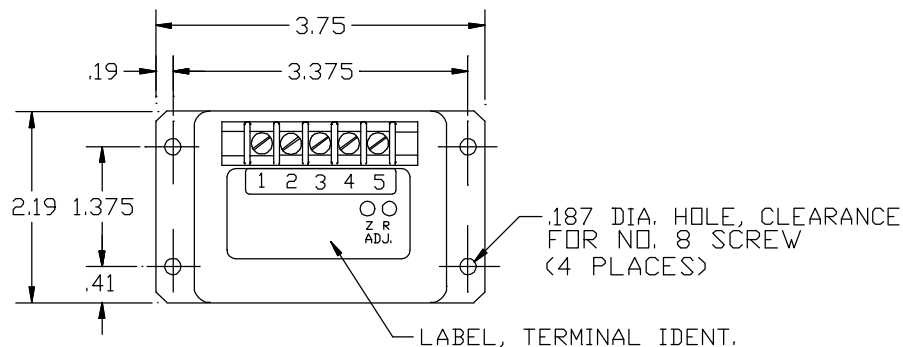


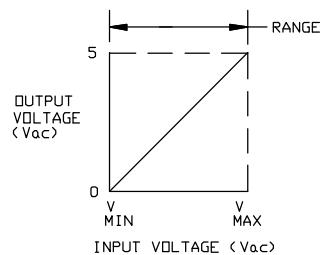
**AC VOLTAGE TRANSDUCER
SERIES 102M3**



TERMINAL IDENTIFICATION

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

CHARACTERISTIC CURVE



PART NUMBER	INPUT VOLTAGE RANGE	
	V min.	V max.
102M3-175.....	90 TO 175	
102M3-130.....	105 TO 130	
102M3-225.....	175 TO 225	

INPUT VOLTAGE

RANGE	See Table
FREQUENCY	340 to 440Hz
BURDEN	1 Va Typical
OVERVOLTAGE CAPABILITY	200 Vac max. for 175, 130 ranges 300 Vac max. for 225 range

OUTPUT SIGNAL

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

AAC	Drawing Number 700-102M3	Rev. E
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