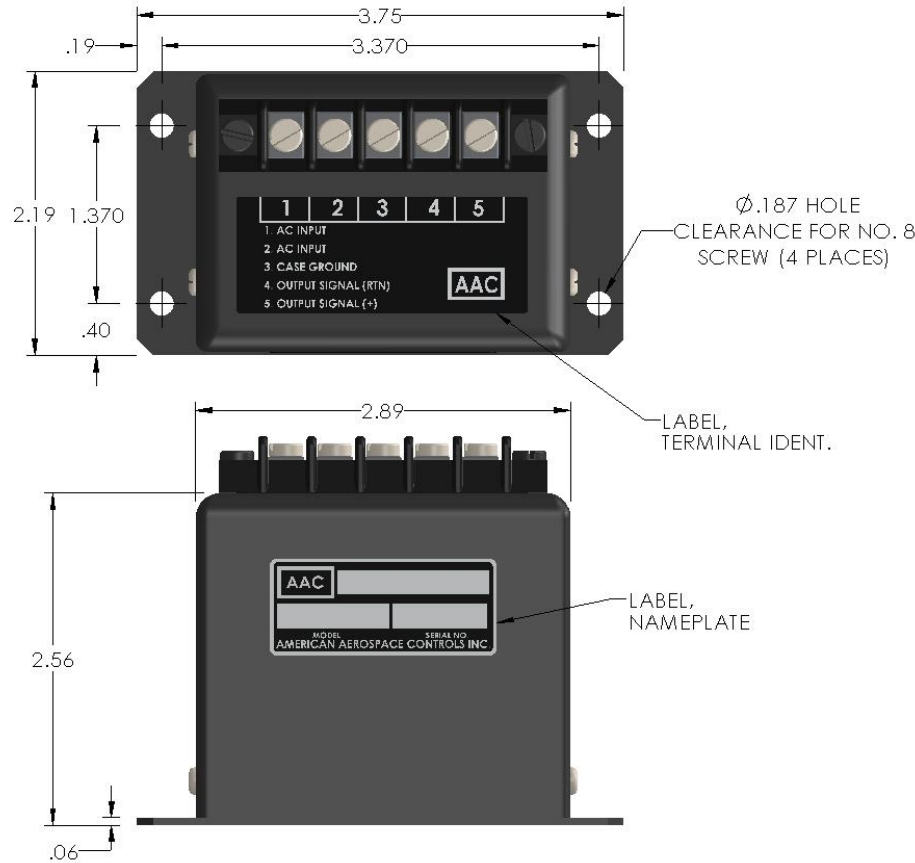


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**AC VOLTAGE TRANSDUCER
SUPPRESSED ZERO
SERIES 102M3**

PART NUMBER	INPUT VOLTAGE RANGE		OVERLOAD VOLTAGE
	V min.	V max.	
102M3-118.....	108 to 118.....	200	
102M3-130.....	105 to 130.....	225	
102M3-175.....	90 to 175.....	250	
102M3-225.....	175 to 225.....	300	



INPUT VOLTAGE

RANGE	See table Vac
FREQUENCY	400Hz
FREQUENCY RANGE	340 to 440Hz
BURDEN.....	9ma @ V max.
OVERVOLTAGE VOLTAGE	See table Vac
ISOLATION.....	750Vac 400Hz for 1 min.

OUTPUT SIGNAL

VOLTAGE SIGNAL (V min. to V max.).....	0 to 5Vdc FS (Full Scale)
ACCURACY.....	±0.5% FS (±25mV)
RESPONSE.....	20m-sec max.
RIPPLE	10mV RMS max.
TEMPERATURE COEFFICIENT	± 0.04% FS/°C max.
OUTPUT IMPEDANCE	5 K Ohms max.

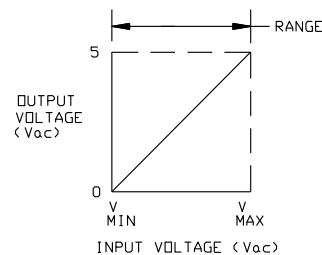
ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE.....	-40° to +85°C
STORAGE TEMPERATURE RANGE	-55° to +85°C
DIELECTRIC STRENGTH	500 V RMS.
INSULATION RESISTANCE.....	100 M Ohms @ 500Vdc.
VIBRATION (Operating).....	DO-160E Sect 8, Cat S-C1, 5.83Grms.
SHOCK (Operating)	DO-160E Sect 7, Cat A, 6G 11m-sec.
HUMIDITY (Operating).....	DO-160E Sect 6, Cat A.
FINISH.....	Polyester powder coat.
HUMIDITY (Operating).....	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 102M3	Rev. F
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