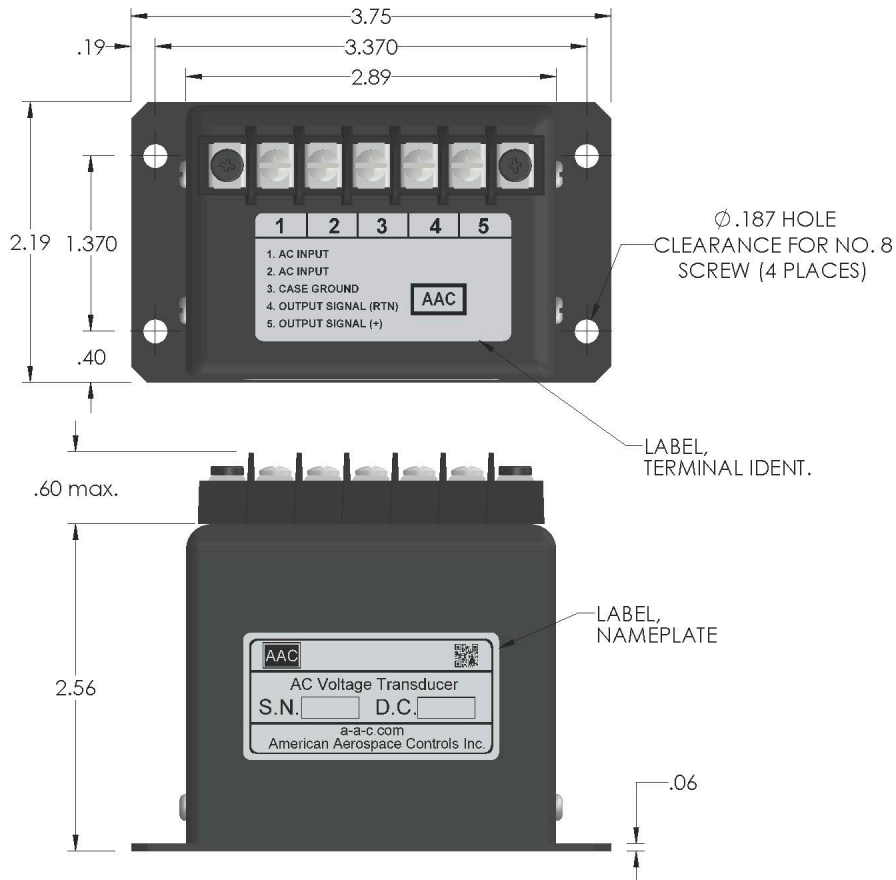


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

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

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

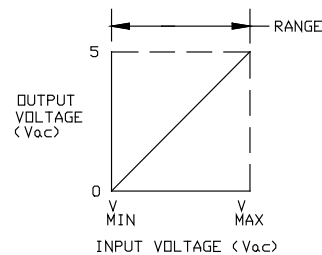
**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

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	25 oz. max.

**TERMINAL IDENTIFICATION**

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

**CHARACTERISTIC CURVE**



<b>AAC</b>	<b>Drawing Number 102M3</b>	<b>Rev. H</b>
------------	---------------------------------	-------------------