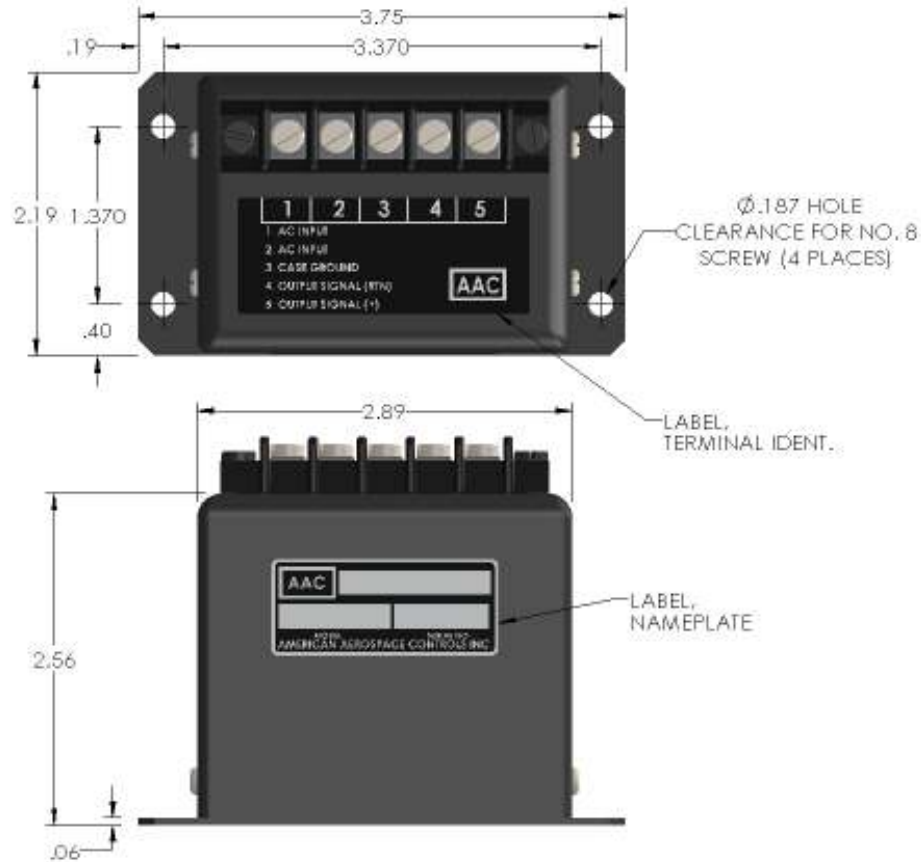


**AC VOLTAGE TRANSDUCER
SUPPRESSED ZERO
SERIES S828**



<u>PART NUMBER</u>	<u>INPUT VOLTAGE RANGE</u>	<u>OVERLOAD VOLTAGE</u>
S828-225.....	.175Vac to 225Vac.....	350
S828-260.....	.210Vac to 260Vac.....	375
S828-275.....	.210Vac to 275Vac.....	375
S828-305.....	.245Vac to 305Vac.....	400
S828-450.....	.350Vac to 450Vac.....	550
S828-475.....	.350Vac to 475Vac.....	550

INPUT VOLTAGE

RANGE.....	Vac min. to Vac Vmax. (See Table)
FREQUENCY.....	400Hz
FREQUENCY RANGE.....	370 to 770Hz
BURDEN.....	5mA
OVERLOAD VOLTAGE.....	Vac max. (See Table)

OUTPUT SIGNAL

VOLTAGE SIGNAL (V min. to V max.).....	0 to 5Vdc FS (Full Scale)
ACCURACY.....	±0.5% FS (±25mV)
RESPONSE (10 to 90%).....	20m-sec max.
RIPPLE.....	10mV RMS max.
TEMPERATURE COEFFICIENT.....	± 0.02% FS/°C max.
OUTPUT IMPEDANCE.....	5 KOhms max.

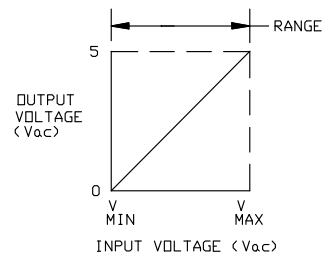
ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE.....	-40° to +85°C
STORAGE TEMPERATURE RANGE.....	-55° to +85°C
DIELECTRIC STRENGTH.....	1000 V RMS
INSULATION RESISTANCE.....	100 MOhms @ 500Vdc
VIBRATION.....	DO-160E Sect 8, Cat S-C1, 5.83Grms.
SHOCK.....	DO-160E Sect 7, Cat A, 6G 11m-sec.
HUMIDITY.....	DO160E Sect 6, Cat A.
FINISH.....	Polyester powder coat
WEIGHT.....	20 oz. max.

TERMINAL IDENTIFICATION

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

CHARACTERISTIC CURVE



AAC	Drawing Number 700-S828	Rev. G
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