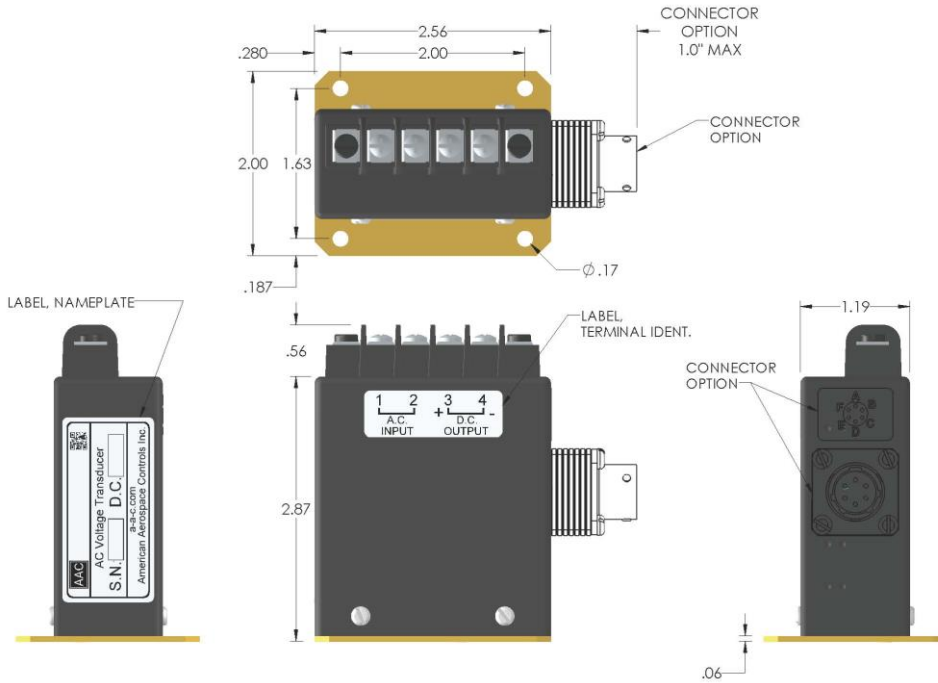


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

## AC VOLTAGE TRANSDUCER SERIES S190-108



PART NUMBER	INPUT VOLTAGE RANGE Vac	CONTINUOUS OVERLOAD Vac
S190-108-130	0 to 130	180
S190-108-150	0 to 150	200
S190-108-270	0 to 270	380
S190-108-300	0 to 300	410
S190-108-500	0 to 500	700
S190-108-600	0 to 600	800

### INPUT

VOLTAGE RANGE	See Table
FREQUENCY RANGE	47 to 63Hz
BURDEN	3mA max.
OVERLOAD Vac	See Table
ISOLATION	1000Vac

### OUTPUT

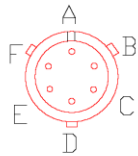
VOLTAGE SIGNAL	0 to +10Vdc FS (Full Scale)
ACCURACY	±1% FS
RESPONSE (0 to 90%)	300 m-sec max.
RIPPLE	±1% RMS
TEMPERATURE COEFFICIENT	±0.05% FS/°C max.
REPEATABILITY	± 0.5% FS
OUTPUT IMPEDANCE	10k Ohms max.

### POWER SUPPLY

SUPPLY VOLTAGE	Self excited
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### ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +85°C
INSULATION RESISTANCE	200 M-Ohms (all terminals to case)
MOISTURE RESISTANCE	Method 106 of MIL-STD-202 & Method 507.1, Proc.1 of MIL-STD-810
DIELECTRIC STRENGTH	1000V RMS all Pins to Case
WEIGHT	14 oz. max.



### CONNECTOR OPTION

ADD "-C" TO PART NO.  
CONNECTOR P/N  
PT02E-10-6P-023 OR EQUIV.  
MATING CONNECTOR  
PT06A-10-6S

### TERMINAL IDENTIFICATION

BARRIER		CONNECTOR
1	AC VOLTAGE (HIGH)	A
2	AC VOLTAGE (RTN)	B
3	OUTPUT (+)	C
4	OUTPUT (RTN)	D
	SPARE	E
	CASE GROUND	F

TERMINAL SCREWS 5-40 3/8 CENTER TO CENTER  
WIRE SIZES TO 14 AWG WIRE LUGS TO .281 WIDE.

<b>AAC</b>	Drawing Number <b>S190-108</b>	Rev. <b>H</b>
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