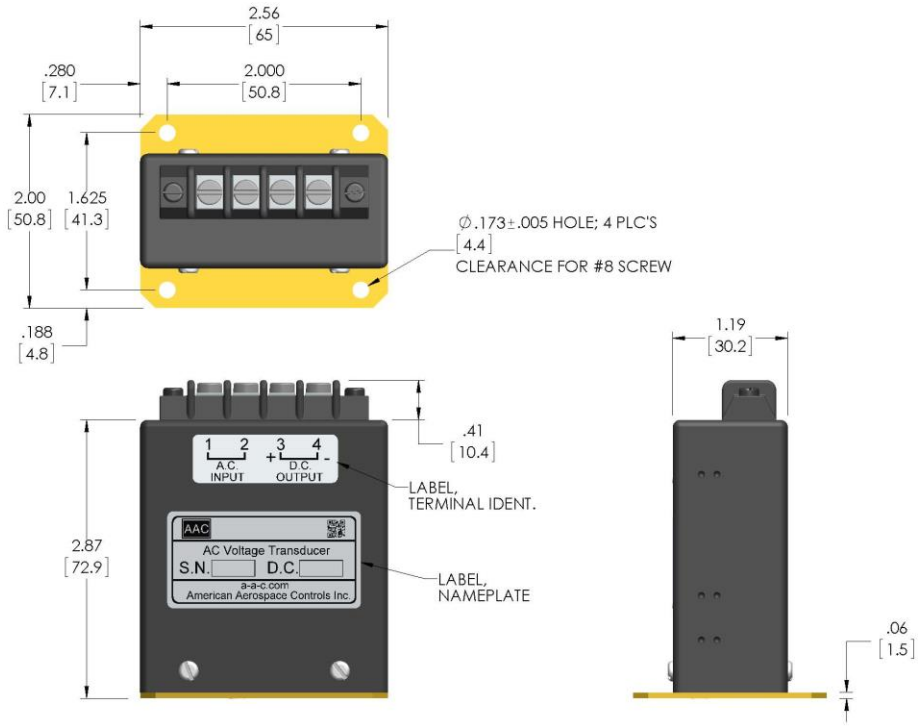
Dimensions in Inches, Tolerances: .XX ± 0.03 .XXX ± 0.01
Dimensions in mm, Tolerance: ± 0.3mm

AC RMS VOLTAGE TRANSDUCER
SERIES 108X
4 TO 20mA 2-WIRE LOOP POWER OPERATION



PART NUMBER	INPUT VOLTAGE RANGE VAC	CONTINUOUS OVERLOAD VAC
108X-50	0 to 50	100
108X-130	0 to 130	200
108X-150	0 to 150	200
108X-270	0 to 270	400
108X-300	0 to 300	500
108X-500	0 to 500	700
108X-600	0 to 600	800

INPUT

VOLTAGE RANGE	See Table
FREQUENCY	60Hz (Optional Models Available) *
FREQUENCY RANGE	57 to 63Hz
CREST FACTOR	1 TO 4
BURDEN	2mA max
OVERLOAD VAC	See Table

OUTPUT

CURRENT SIGNAL (2 WIRE OPERATION)	4 to 20mAdc FS (Full Scale)
CURRENT SIGNAL @ OVERLOAD	24mA typical
ACCURACY (Over Temperature Range)	±0.5% FS (±0.1mA)
RIPPLE (RMS)	0.5% FS (±0.1mA RMS)
RESPONSE (0 to 90%)	100 m-sec max
LOAD RESISTANCE (RL)	250 Ohms nominal
LOAD RESISTANCE RANGE	0 to 1100 Ohms (See Table II)
PROTECTION	Reverse Polarity Protected

POWER SUPPLY

SUPPLY VOLTAGE	15VDC nominal
CURRENT DRAIN	20mA
SUPPLY VOLTAGE RANGE	10 to 35VDC (See Table II)

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	Will meet Method 106 of MIL-STD -202 & Method 507.1, Proc.1 of MIL-STD-810.
DIELECTRIC STRENGTH	1000V RMS
WEIGHT	13 oz. / 369 grams max.

TERMINAL IDENTIFICATION

1. AC VOLTAGE INPUT
2. AC VOLTAGE INPUT
3. OUTPUT (+)
4. OUTPUT (RTN)

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

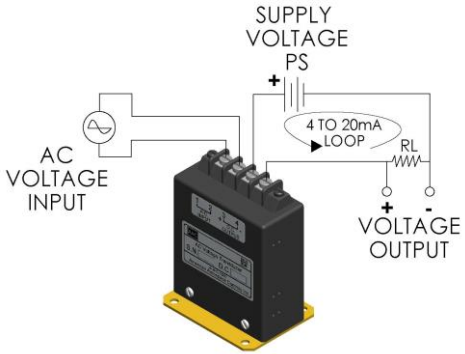


TABLE II
SUPPLY (PS) VS LOAD RESISTANCE (RL)

SUPPLY	LOAD RESISTANCE
10Vdc	0 to 125 Ohms
15Vdc	0 to 250 Ohms
20Vdc	0 to 500 Ohms
25Vdc	0 to 750 Ohms
30Vdc	0 to 1000 Ohms
32Vdc	0 to 1100 Ohms

* Optional Models

ADD SUFFIX -50 TO MODEL NO. FOR 50Hz OPERATION
ADD SUFFIX -400 TO MODEL NO. FOR 400Hz OPERATION.
ADD SUFFIX –4000 TO MODEL NO. FOR 4000Hz OPERATION.

AAC	Drawing Number	Rev.
	108X	N