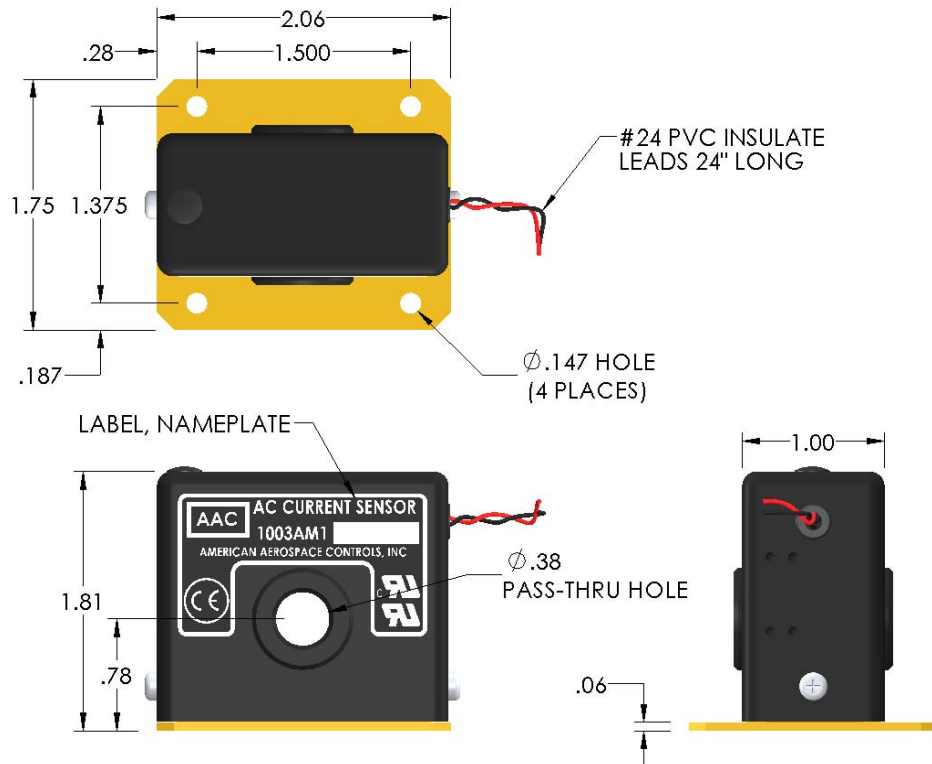


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**A.C.CURRENT SENSOR
SERIES 1003AM1**



<u>MODEL NO.</u>	<u>INPUT CURRENT</u>	<u>OUTPUT IMPEDANCE</u>
1003AM1-2	0 to 2Aac	25
1003AM1-5	0 to 5Aac	10
1003AM1-7	0 to 7Aac	8.0
1003AM1-10	0 to 10Aac	5.0
1003AM1-15	0 to 15Aac	4.0
1003AM1-20	0 to 20Aac	2.5
1003AM1-25	0 to 25Aac	2.2
1003AM1-30	0 to 30Aac	2.0
1003AM1-40	0 to 40Aac	1.5
1003AM1-50	0 to 50Aac	1.0
1003AM1-60	0 to 60Aac	0.8
1003AM1-75	0 to 75Aac	0.75
1003AM1-100	0 to 100Aac	0.5

INPUT

CURRENT RANGE	See Table
FREQUENCY	60Hz
FREQUENCY RANGE	57 to 63Hz
OVERLOAD	250Aac Continuous

OUTPUT

VOLTAGE SIGNAL	0 to 5Vdc FS (Full Scale)
ACCURACY	± 1% FS for 10A range and above ±2% FS for 2A & 5A ranges
RIPPLE	3% FS RMS max.
RESPONSE	150 m-sec max.
REPEATABILITY	± 0.5% FS
TEMPERATURE COEFFICIENT	± 0.04% FS/ °C max. for 10A ranges & above ±0.08% FS/°C for 2A & 5A ranges
OUTPUT IMPEDANCE	K-Ohms See Table
OUTPUT SIGNAL @ OVERLOAD	11Vdc max.

POWER SUPPLY

SUPPLY VOLTAGE	None, self excited
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ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	- 20° C to 70°C
STORAGE TEMPERATURE RANGE	- 55°C to 85°C
ISOLATION	Input/Output/Case
INSULATION RESISTANCE	100 M-Ohms output to case
WEIGHT	5 oz. max.



TERMINAL IDENTIFICATION

RED LEAD: OUTPUT (+)
BLACK LEAD: OUTPUT (RTN)

AAC	Drawing Number 700-1003AM1	Rev. P
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