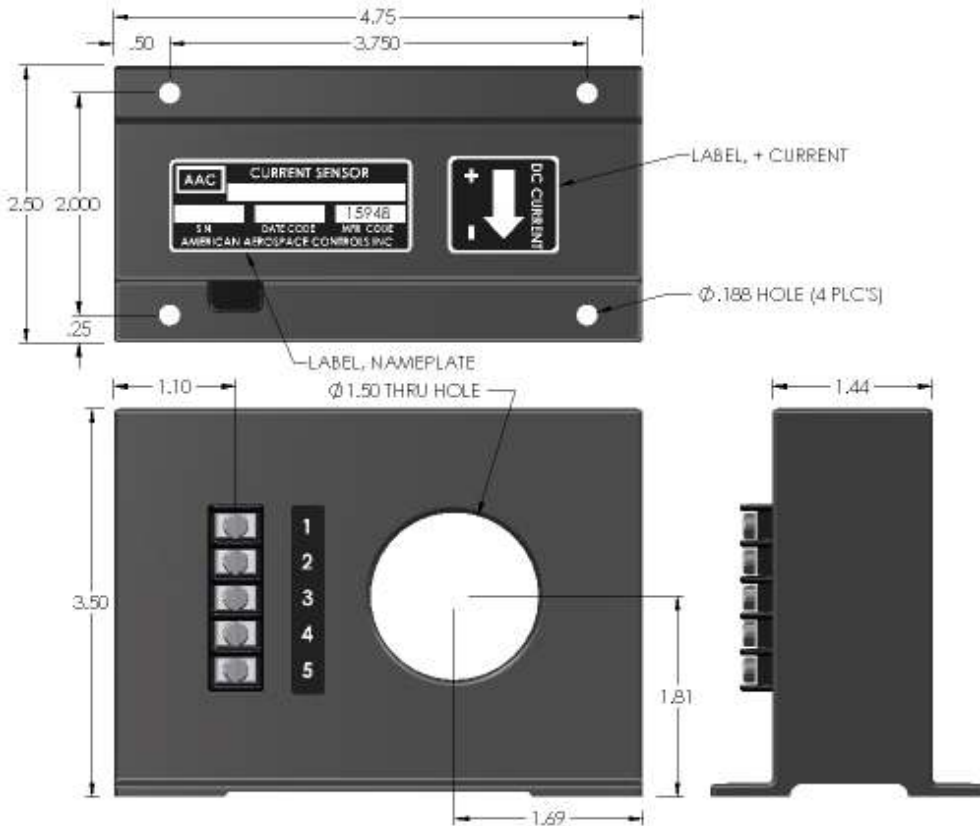


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER  
SERIES 948**



PART NUMBER	INPUT CURRENT
948-600	0 TO ±600
948-800	0 TO ±800
948-1000	0 TO ±1000
948-1500	0 TO ±1500
948-2000	0 TO ±2000

**INPUT**

RANGE ..... Amps. DC or AC peak. See Table  
 CURRENT OVERLOAD ..... ±5000 Amps. DC continuous  
 FREQUENCY ..... DC to 20KHz

**OUTPUT**

VOLTAGE SIGNAL ..... 0 to ±5Vdc FS (Full Scale)  
 ACCURACY ..... ±1% FS  
 LINEARITY ..... ±.5% FS  
 DI DT CAPABILITY ..... 25A per u-sec  
 OUTPUT IMPEDANCE ..... 100 Ohms max.  
 TEMPERATURE COEFFICIENT ..... ±0.04% FS/°C max.

**POWER SUPPLY**

SUPPLY VOLTAGE ..... ±15Vdc ±1Vdc  
 CURRENT DRAIN ..... 50mA max.  
 REVERSE POLARITY PROTECTION ..... 10µA max. current drain without damage

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE ..... -20° to +70°C  
 STORAGE TEMPERATURE ..... -45° to +85°C  
 OPERATING HUMIDITY ..... 0% to 95% RH  
 INSULATION RESISTANCE ..... 100 M-Ohms min.  
 ATTITUDE ..... Unit will perform as specified when mounted in any position.  
 SHOCK ..... Operating: 50g, 11m-sec half sine pulse (Method 213, Condition A of MIL-STD-202)  
 WEIGHT ..... 1.5 lbs. max.

**TERMINALS:**

6-32 SCREWS, .325" CENTER TO CENTER SPACING, ACCEPTS WIRE SIZES UP TO 14 AWG. AND WIRE LUGS UP TO .26" WIDE.

**TERMINAL IDENTIFICATION**

1. SUPPLY VOLTAGE (+)
2. SUPPLY VOLTAGE (-)
3. SUPPLY (RTN)
4. OUTPUT (RTN)
5. OUTPUT SIGNAL (±)

<b>AAC</b>	<b>Drawing Number 700-948</b>	<b>Rev. D</b>
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