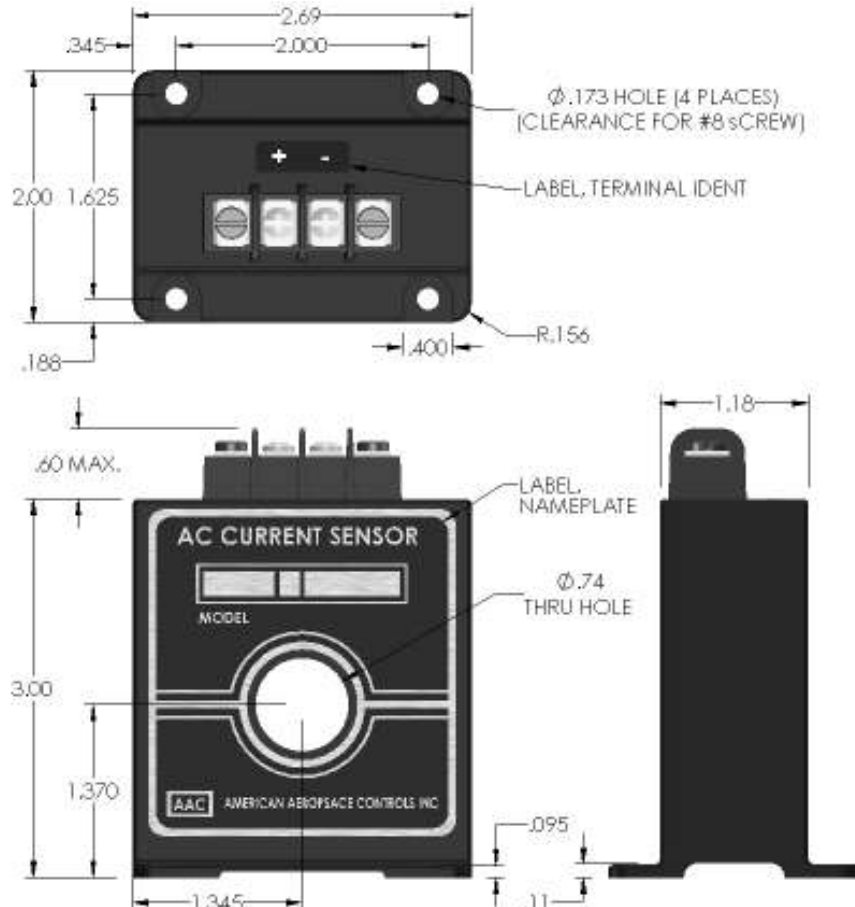


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**AC RMS CURRENT TRANSDUCER  
SERIES 1055  
4 TO 20mA 2 WIRE LOOP POWER**



PART NUMBER	INPUT RANGE	PART NUMBER	INPUT RANGE
1055-2	0 to 2Aac	1055-50	0 to 50Aac
1055-5	0 to 5Aac	1055-75	0 to 75Aac
1055-10	0 to 10Aac	1055-100	0 to 100Aac
1055-15	0 to 15Aac	1055-125	0 to 125Aac
1055-20	0 to 20Aac	1055-150	0 to 150Aac
1055-25	0 to 25Aac	1055-200	0 to 200Aac
1055-30	0 to 30Aac	1055-250	0 to 250Aac
1055-40	0 to 40Aac	1055-300	0 to 300Aac

**INPUT**  
 RANGE ..... Aac See Table  
 FREQUENCY ..... 47 to 460 Hz  
 OVERLOAD CONTINUOUS ..... 500Aac  
 OVERLOAD TRANSIENT ..... 10 Times Range For 250m-sec.  
 CREST FACTORS ..... 0 TO 5

**OUTPUT**  
 CURRENT SIGNAL ..... 4 to 20mAac FS (Full Scale)  
 ACCURACY ..... ±0.5% FS or ±0.1mA max. (Over Temperature Range)  
 RIPPLE ..... 10mV RMS max.  
 RESPONSE (10 to 90%) ..... 100mS max.  
 LOAD RESISTANCE (RL) ..... 250 Ohms Nominal  
 LOAD RESISTANCE RANGE ..... 0 to 1400 Ohms (See Note)  
 CURRENT SIGNAL @ OVERLOAD ..... 30mA TYP.  
 PROTECTION ..... Reverse Polarity Protected

**POWER SUPPLY (PS)**  
 SUPPLY VOLTAGE ..... 15Vdc Nominal  
 CURRENT DRAIN ..... 20mA  
 SUPPLY VOLTAGE RANGE ..... 5 to 35Vdc

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**  
 OPERATING TEMPERATURE RANGE ..... -20° to +85°C  
 STORAGE TEMPERATURE RANGE ..... -40° to +85°C  
 ISOLATION ..... Input/Output/Case  
 INSULATION RESISTANCE ..... 200 M-Ohms @ 500Vdc  
 INPUT CONDUCTOR VOLTAGE ..... 1.5KV max. (5KV max. with insulated cable)  
 WEIGHT ..... 10 oz. Max.

**TERMINAL IDENTIFICATION**

1. OUTPUT (+)
2. OUTPUT (RTN)

**TERMINAL SCREWS:**

5-40 SCREWS, 3/8" CENTER TO CENTER  
 SPACING ACCEPTS WIRE SIZES UP TO 14 AWG.  
 AND WIRE LUGS UP TO 9/32 WIDE.



UL RECOGNIZED



CSA RECOGNIZED

**NOTE:**  
 MINIMUM DC SUPPLY VOLTAGE =  $V_x + .02 (RL)$   
 RL = ANY VALUE BETWEEN 0 AND 1400 OHMS.  
 $V_x = 7V$  FOR P/N 1055-2 AND 1055-5  
 $V_x = 5V$  FOR P/N 1055-10 THRU 1055-250

<b>AAC</b>	<b>Drawing Number</b> <b>700-1055</b>	<b>Rev.</b> <b>L</b>
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