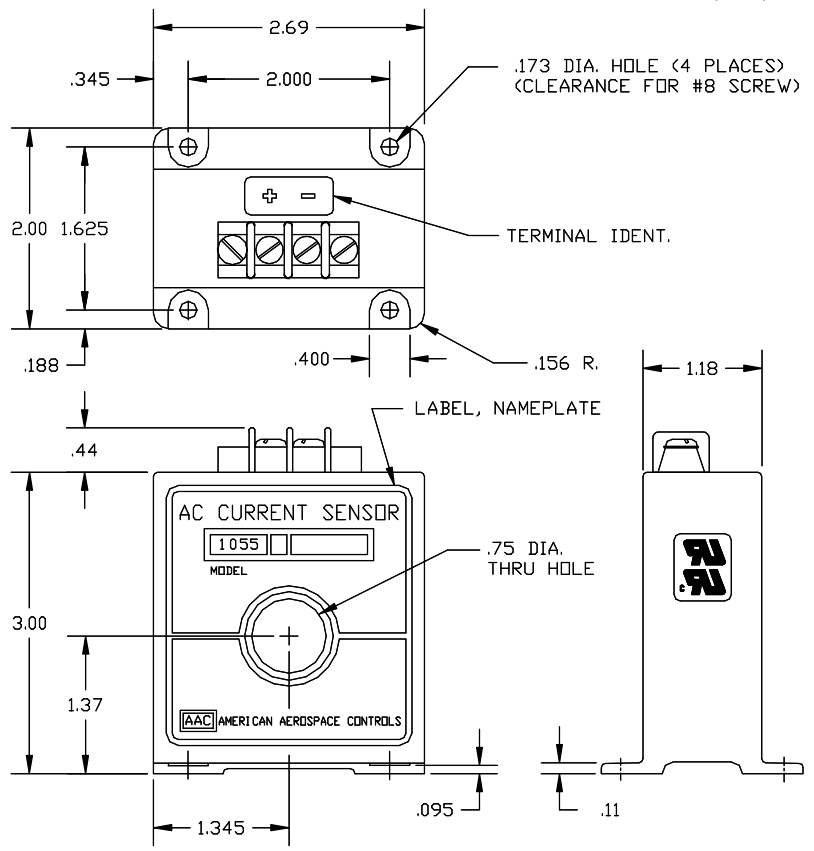


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

TERMINAL IDENTIFICATION

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



**AC CURRENT TRANSDUCER
MODEL 1055
4 TO 20mA 2 WIRE LOOP OPERATION**

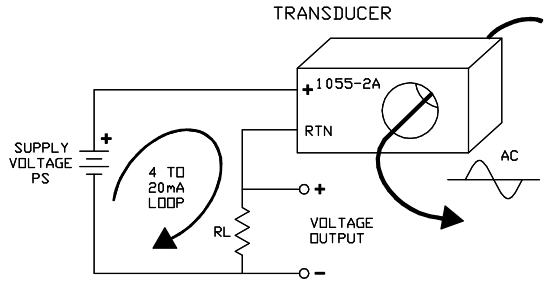
<u>PART NO.</u>	<u>INPUT RANGE</u>	<u>PART NO.</u>	<u>INPUT RANGE</u>
1055-2	0 to 2Aac	1055-50	0 to 50Aac
1055-5	0 to 5Aac	1055-75	0 to 75Aac
1055-10	0 to 10Aac	1055-100	0 to 100Aac
1055-15	0 to 15Aac	1055-125	0 to 125Aac
1055-20	0 to 20Aac	1055-150	0 to 150Aac
1055-25	0 to 25Aac	1055-200	0 to 200Aac
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 50 to 60 Hz
OVERLOAD CONTINUOUS 500Aac
OVERLOAD TRANSIENT 10 Times Range For 250m-sec.

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.



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

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

AAC	Drawing Number 700-1055	Rev. H
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