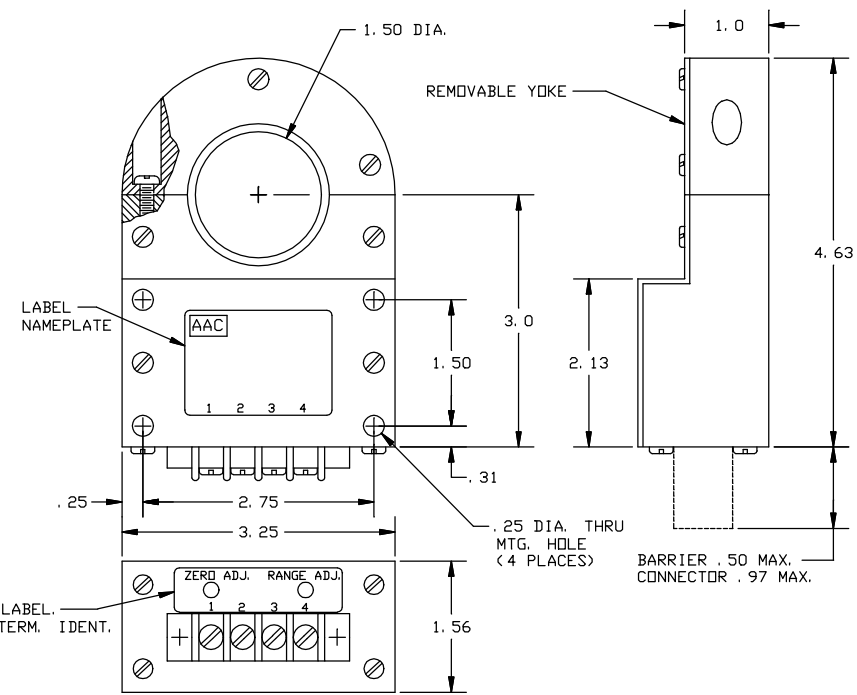
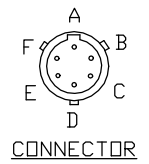


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**AC RMS CURRENT TRANSDUCER
SERIES 1001
REMOVABLE YOKE TYPE**



TERMINAL IDENTIFICATION		
<u>CONNECTOR</u>		<u>BARRIER</u>
A	OUTPUT (+)	1
B	OUTPUT (RTN)	2
C	SUPPLY VOLTAGE (+)	3
D	SUPPLY VOLTAGE (RTN)	4
E	SPARE	
F	SPARE	



NOTE: MOLDED TERMINAL BARRIER WITH 5-40 TERMINAL SCREWS AND .375 CENTER DISTANCES. TERMINALS ACCEPT WIRE SIZES UP TO #16 AWG. WITH LUGS TO .281 IN. WIDE. ADD -C TO PART NUMBER FOR CONNECTOR OPTION CONNECTOR TYPE PT02E-10-6P-023 OR EQUIV.

<u>PART NO.</u>	<u>INPUT CURRENT AMPS RMS</u>	<u>PART NO.</u>	<u>INPUT CURRENT AMPS RMS</u>
1001-100.....	0 TO 100	1001-1000.....	0 TO 1000
1001-150.....	0 TO 150	1001-1500.....	0 TO 1500
1001-250.....	0 TO 250	1001-2000.....	0 TO 2000
1001-500.....	0 TO 500	1001-2500.....	0 TO 2500
1001-750.....	0 TO 750	1001-3000.....	0 TO 3000

INPUT
 RANGE See Table
 FREQUENCY DC to 480Hz
 CREST FACTORS Up to 7
 OVERLOAD 2x Range continuously, 10x for 10 sec.

OUTPUT
 VOLTAGE SIGNAL 0 to 5Vdc FS (Full Scale)
 ACCURACY ±1% FS (±50mV)
 RESPONSE (0 TO 90%) 100 m-sec
 RIPPLE 25mV RMS @ 60Hz
 TEMPERATURE COEFFICIENT ±.05% FS/°C max.
 OUTPUT IMPEDANCE 1000 Ohms ±5%
 OUTPUT PROTECTION Output terminals 1 & 2 will withstand ±32Vdc or short circuit continuously

POWER SUPPLY
 SUPPLY VOLTAGE +28Vdc ±4Vdc
 CURRENT DRAIN 100mA max.
 OVER VOLTAGE PROTECTION ±35Vdc without damage
 REVERSE POLARITY PROTECTION 10µA max. current drain without damage

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS
 OPERATING TEMPERATURE RANGE -25°C to +71°C
 STORAGE TEMPERATURE RANGE -55°C to +100°C
 DIELECTRIC STRENGTH 350V RMS (all terminals to case)
 INSULATION RESISTANCE 100 M-ohms (all terminals to case)
 ALTITUDE Operating sea level to 60,000 ft.
 VIBRATION Operating - 0.06 in. D.A., 10 to 55 Hz method 201 of MIL-STD-202
 SHOCK Operating 50 g, 11 m-sec half sine pulse method 213 Condition A of MIL-STD-202
 MOISTURE RESISTANCE Will meet method 106 of MIL-STD-202 and method 507.1 Proc. 1 of MIL-STD-810
 OPERATING HUMIDITY 0% to 95% RH
 ATTITUDE Units will perform as specified when mounted in any position
 WEIGHT 2 lbs. max.

AAC	Drawing Number 700-1001	Rev. K
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