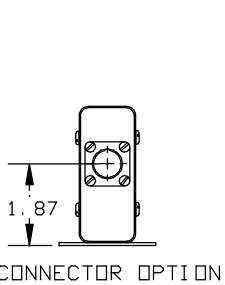
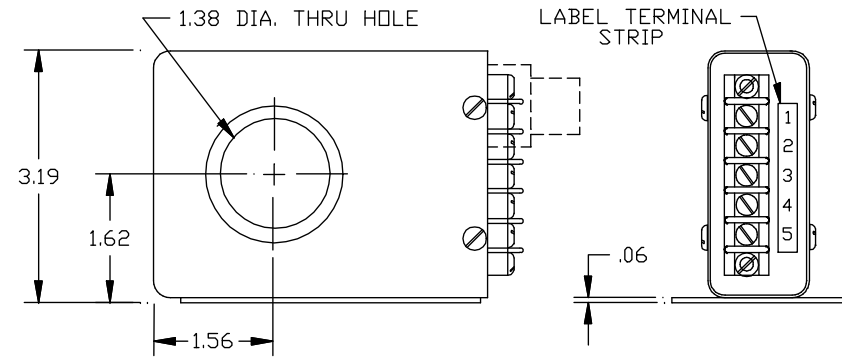
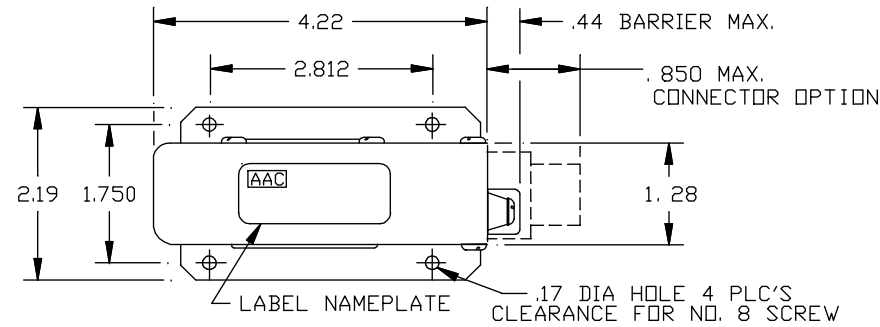


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**AC RMS CURRENT TRANSDUCER
SERIES S714**



CONNECTOR OPTION

ADD "-C" TO
MODEL NO.
CONNECTOR P/N
PT02E-10-6P-023
OR EQUIV.
MATING CONNECTOR
PT06A-10-6S-424
OR EQUIV.

TERMINAL IDENTIFICATION

- 1- A. SUPPLY VOLTAGE (+)
- 2- B. SUPPLY (RTN)
- 3- C. OUTPUT SIGNAL (+)
- 4- D. OUTPUT (RTN)
- 5- E. CASE GROUND
- F. SPARE

<u>PART NUMBER</u>	<u>CURRENT RANGE</u>	<u>PART NUMBER</u>	<u>CURRENT RANGE</u>
S714-5	0 to 5	S714-150	0 to 150
S714-10	0 to 10	S714-200	0 to 200
S714-20	0 to 20	S714-250	0 to 250
S714-25	0 to 25	S714-300	0 to 300
S714-50	0 to 50	S714-400	0 to 400
S714-75	0 to 75	S714-500	0 to 500
S714-100	0 to 100	S714-600	0 to 600

INPUT RANGE

CURRENT RANGE See Table Aac FS (Full Scale)
 CURRENT OVERLOAD CONTINUOUS 500Aac or two X FS which is greater
 FREQUENCY RANGE 360 TO 440 Hz (60Hz Models available)

OUTPUT

VOLTAGE SIGNAL 0 to +5Vdc FS
 ACCURACY ±0.5% FS
 LINEARITY ±0.20% FS
 RESPONSE TIME (10 TO 90%) 75 ms max.
 CREST FACTOR 0 to 5
 OUTPUT IMPEDANCE 10 Ohms max.
 OUTPUT RIPPLE 5mV RMS max.
 OUTPUT LOAD 10K Ohms min.
 SHORT CIRCUIT Protected
 TEMPERATURE COEFFICIENT ±0.01% FS/°C max.

POWER SUPPLY

SUPPLY VOLTAGE +14 TO +32Vdc
 TRANSIENT PROTECTION ±60V (t<100ms)
 CURRENT DRAIN 10mA max.
 REVERSE POLARITY PROTECTION 100µA max current drain without damage

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE -40° to +85°C
 STORAGE TEMPERATURE -55° to +85°C
 OPERATING HUMIDITY 0% to 95% RH
 MOISTURE RESISTANCE Will meet Method 106 of MIL-STD-202 & Method 507.1, Proc. 1 of MIL-STD-810
 ALTITUDE Operating: Sea level to 70,000 ft.
 RANDOM VIBRATION Operating MIL-STD-810E Category 5, Proc. 1, WO=0.012G²Hz, Duration 1 hr., Figure 514.4-8
 Suggested Vibration levels for high performance Aircraft 12.5 G-RMS composite
 DIELECTRIC STRENGTH 350V RMS terminals 1-4 to 5 & case
 INSULATION RESISTANCE 100 M-Ohms min.
 ATTITUDE Unit will perform as specified when mounted in any position.
 SHOCK Operating: 50g, 11 m-sec half sine pulse Method 213 Condition A of MIL-STD-202.
 WEIGHT 1.5 lbs. max.

MOLDED TERMINAL BLOCK WITH 5-40 TERMINAL SCREWS, 3/8 IN. CENTER TO CENTER SPACING. ACCEPTS WIRE SIZES TO 14 AWG AND WIRE LUGS UP TO 9/32 IN. WIDE.

AAC	Drawing Number 700-S714-1006	Rev. C
------------	---	-------------------