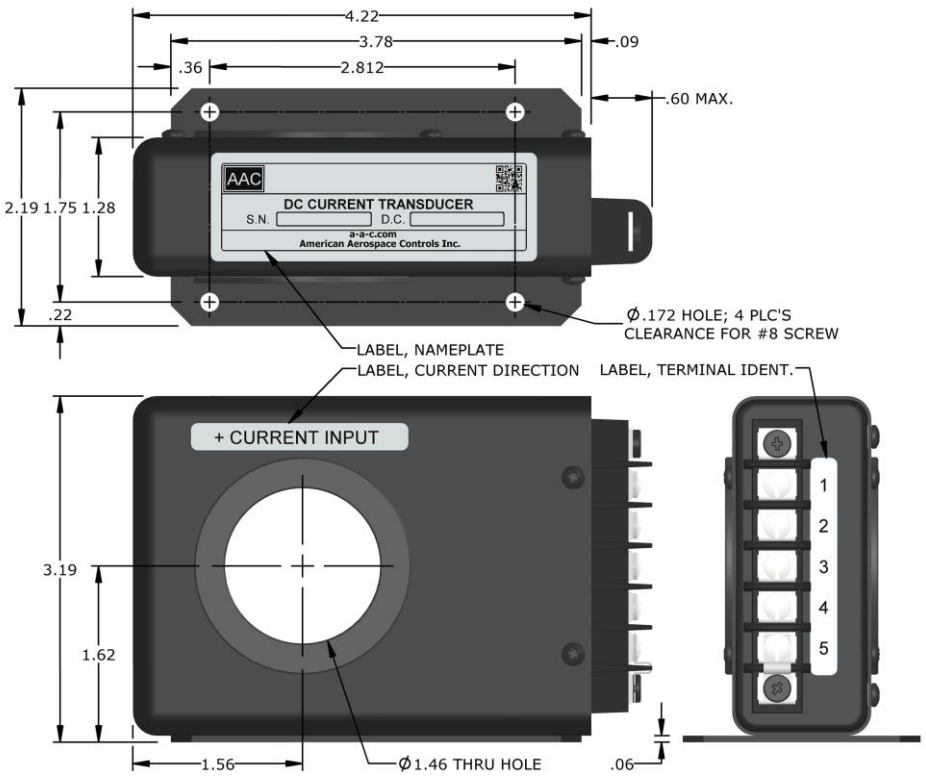
Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

DC CURRENT TRANSDUCER
SERIES S218



PART NO.	INPUT CURRENT RANGE	PART NO.	INPUT CURRENT RANGE
S218-100	0 TO 100mA	S218-1A	0 TO 1A
S218-200	0 TO 200mA	S218-2A	0 TO 2A
S218-500	0 TO 500mA	S218-5A	0 TO 5A

OUTPUT

VOLTAGE SIGNAL	0 to +5Vdc FS (Full Scale)
ACCURACY	±1% FS (±50mV)
RIPPLE	0.2% FS RMS max.
IMPEDANCE	50 Ohms ±5%
RESPONSE	50 m-sec max. (10 to 90%)
TEMPERATURE COEFFICIENT	± .04%/°C max.

POWER SUPPLY

SUPPLY VOLTAGE	18 TO 32Vdc
CURRENT DRAIN	35mAdc max.
REVERSE POLARITY PROTECTION	10μA max. Current Drain- no damage

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-55°C to +85°C
STORAGE TEMPERATURE RANGE	-60°C to +100°C
INSULATION RESISTANCE	100 M-Ohms (terminals 1,2,3,&4 to case)
DIELECTRIC STRENGTH	350V RMS (terminals 1,2,3,&4 to case)
ALTITUDE	Operating sea level to 60,000 ft.
VIBRATION	Operating - 0.06 in. D.A., 10 to 55Hz Method 201 of MIL-STD-202.
SHOCK	Operating 50g, 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	Meets spec. for any mounting position.
RIPPLE	40mV reflected onto pass-thru line.
WEIGHT	1.5 lbs. Max.

NOTE:
MOLDED TERMINAL BARRIER WITH 6-32 TERMINAL SCREWS
3/8 IN. CENTER TO CENTER SPACING.
ACCEPTS WIRE SIZES TO 14 AWG AND WIRE LUGS UP TO 9/32 IN. WIDE

TERMINAL IDENTIFICATION

1. SUPPLY VOLTAGE (+)
2. SUPPLY VOLTAGE (RTN)
3. OUTPUT SIGNAL (RTN)
4. OUTPUT SIGNAL (+)
5. CASE GROUND

AAC	Drawing Number	Rev.
	S218-903	J

Code Ident. No. 15948 **AAC** American Aerospace Controls Inc., 570 Smith Street, Farmingdale, New York 11735 Tel:(631) 694-5100 Fax:(631) 694-6739