

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

DC CURRENT LEVEL DETECTOR SERIES S204

<u>PART NO.</u>	<u>TRIP POINT</u>	<u>PART NO.</u>	<u>TRIP POINT</u>
S204-50.....	50mA	S204-1	1A
S204-100.....	100mA	S204-1.2.....	1.2A
S204-150.....	150mA	S204-2	2A
S204-350.....	350mA	S204-3	3A
S204-550.....	550mA	S204-5	5.75A

INPUT

RANGE 0 to 10Amps D.C.
TRIP POINT See Table

OUTPUT

RELAY CONTACT (SPST)..... Energized at & above set point
CONTACT RATING..... 1 Amp @ 28V and 5V RMS
TRIP POINT ACCURACY ±4% set point
TRIP POINT REPEATABILITY ± 2% of set point
RESET Automatic when current falls 15% below trip point
RESPONSE TIME 10 m-sec. @ 200% FS
ISOLATION 350V RMS @ sea level


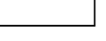
POWER SUPPLY

SUPPLY VOLTAGE 22.8 to 30.4Vdc
CURRENT DRAIN..... 70mA max.
REVERSE POLARITY PROTECTION..... 10µA max. current drain without damage

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

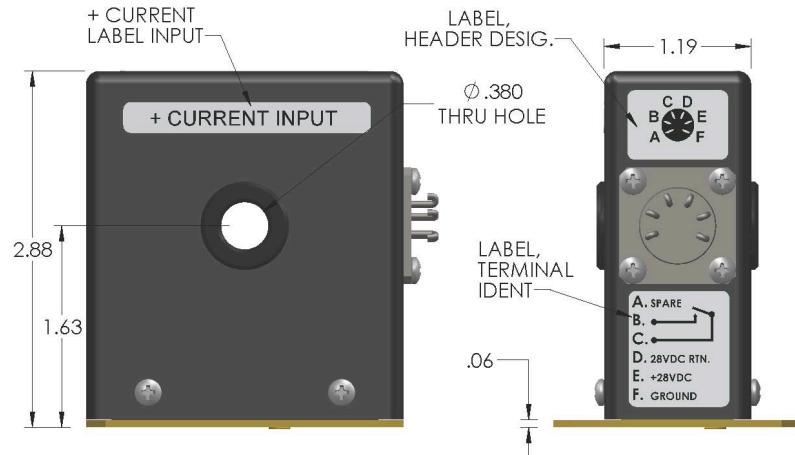
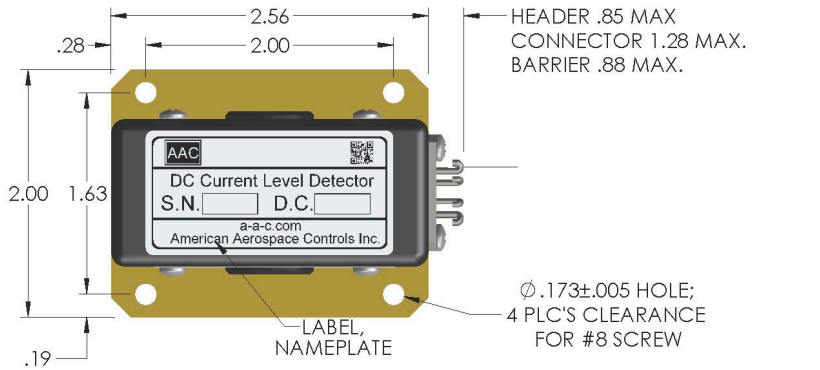
OPERATING TEMPERATURE RANGE -40°C to +70°C
STORAGE TEMPERATURE RANGE..... -55°C to +85°C
DIELECTRIC STRENGTH..... 350V RMS MIL-STD-202 Method 301
INSULATION RESISTANCE 200 M-Ohms min. MIL-STD-202 Method 302
Test Condition A
ALTITUDE..... Operating sea level to 100,000 ft., MIL-STD-202, Method 105, Condition A
VIBRATION..... Operating 0.06 inch D.A., 10Hz to 55Hz MIL-STD-202, Method 201
SHOCK Operating 50g 11m-sec MIL-STD-202, Method 213, Condition A
MOISTURE RESISTANCE..... MIL-STD-202, Method 106
OPERATING HUMIDITY 0 to 95% RH
ATTITUDE..... Meets specification for any mounting position
WEIGHT..... 13 oz. max.

TERMINAL IDENTIFICATION

- A. SPARE
- B. 
- C. 
- D. 28 Vdc RETURN
- E. +28 Vdc EXCITATION
- F. GROUND

NOTE:

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



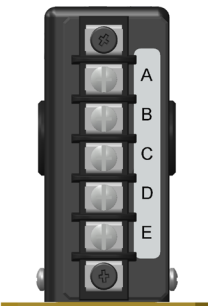
**SOLDER
HEADER**



CONNECTOR OPTION

ADD "-C" TO PART NO.
CONNECTOR PART NO.
PT023-10-6P-023

MATING CONNECTOR
PT06A-10-6S-013 OR
PT06A-10-6S OR EQUIV.



BARRIER OPTION

ADD "-B" TO PART NO.
TERMINAL "F"
NOT SUPPLIED
FOR CASE GROUND
USE BASEPLATE.

FOR NORMALLY CLOSED CONTACTS ORDER PART NO. S204R.

AAC	Drawing Number 700-S204-800	Rev. P
------------	--	-------------------