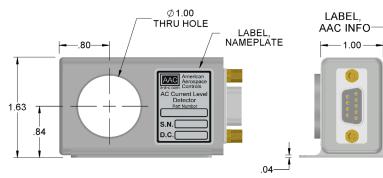
Dimensions in Inches, Tolerances: $.XX \pm .03$.XXX ± .010

-.29 .19-.625 .50-0 0 0 1.68 1.365 9 PIN D-SUB CONNECTOR .34 Ø.161 HOLE (4) CLEARANCE FOR NO. 6 SCREW



Crash Safety (Sustained) Test Performed IAW RTCA DO-160G, Section 7 at below levels							
Test Levels FWD AFT LAT UP DOWN							
Sustained	27.21g	N/A	6.8g	4.54g	N/A		

Operational Shock & Crash Safety (Impulse) Test Performed IAW RTCA DO-160G, Section 7, Category E

Constant Acceleration Test Performed IAW Mil-Std-810G Method 513 at below levels						
Propeller Aircraft Environment						
Test Levels	FWD	AFT	LAT	UP	DOWN	
Operational	1.7g	2.9g	5.75g	4.25g	11.5g	
Structural	2.55g	4.35g	8.65g	6.37g	17.25g	
Helicopter Environment - Operating @ Structural Levels						
Test Levels	FWD	AFT	LAT	UP	DOWN	
Operating	4.0g	4.0g	6.0g	10.5g	4.5g	

TERMINAL IDENTIFICATION



+28Vdc POWER CASE GROUND 7-9. SPARE

CONTACTS SHOWN WITH INPUT **CURRENT ABOVE TRIP POINT** (RELAY ENEGIZED)

Additional Vibration Compliance: Category 13 Propeller Aircraft

Vibration Exposure Performed I.A.W MIL-STD-810G, Method 514.6, Figure 514.6 D2, Procedure I

AC CURRENT LEVEL DETECTOR **SERIES S1028**

<u>INPUT</u>	
RANGE	
FREQUENCY RANGE	
OVERLOAD CURRENT CONTINUOUS	
OVERLOAD CURRENT SURGE	1000Aac for 6 cycles.
OUTPUT RELAY	
RELAY CONTACT (SPST)	
CONTACT RATING	1 Amp Resistive, @ 28Vdc. 100mA @28V Lamp
	200mA Inductive @28Vdc (320mH)
	250mA @ 115Vac 60 Hz to 400Hz
TRIP POINT (AS CURRENT INCREASES)	
TRIP POINT ACCURACY	±1% of trip point. (See note 1)
CURRENT CABLE POSITIONING ERROR	
RESET	Automatic @ 20% below trip point.
RESPONSE TIME (@110% of trip point)	
OUTPUT ISOLATION	350V RMS
POWER SUPPLY	
SUPPLY VOLTAGE	•
SUPPLY VOLTAGE RANGE	
CURRENT DRAIN	
REVERSE POLARITY PROTECTION	
ENVIRONMENTAL AND PHYSICAL CHARACTERIS	
OPERATING & STORAGE TEMP RANGE	
DIELECTRIC STRENGTH	
MOUNTING	
INSULATION RESISTANCE (Test Condition A)	
WEIGHT	
FINISH	Fuse tin plate (lead alloy 4% to 12%max.)

	р	(1044 4.10) 170 10
DO-160G ENVIRONMENT	SECTION	CATEGORY
TEMPERATURE & ALTITUDE	4	B2 & D2
TEMPERATURE VARIATION	5	A & B
HUMIDITY	6	В
SHOCK & CRASH SAFETY	7	D & E
VIBRATION	8	U2
EXPLOSION PROOFNESS	9	Н
WATER PROOFNESS	10	Υ
SAND & DUST	12	D
FUNGUS RESISTANCE	13	F
SALT FOG	14	S
ICING	24	Α
MAGNETIC EFFECT	15	Z
POWER INPUT	16	B & Z
FIRE FLAMMABILITY	26	С
VOLTAGE SPIKES	17	Α
AUDIO FREQUENCY CONDUCTED		В
INDUCED SIGNAL SUSCEPTIBILITY		ZC
RF SUSCEPTIBILITY	20	R
EMISSION OF RADIO FREQUENCY		M
LIGHTNING INDUCED TRANSIENT	22	A3G33
ELECTROSTATIC DISCHARGE (ESD)	25	Α

Note 1: Specified accuracy includes the combined worst case effects of Current Cable Positioning, Voltage Range, Temperature Range and Input Frequency Range.

ORDERING INFORMATION

S1028 -TRIP POINT AMPS AC Trip point option from 1A to 250Aac, in 1 amp increments.

ie: S1028-100 Current Level Detector trips @ 100Aac and reset @ 80Aac

Drawing Number 1028-850