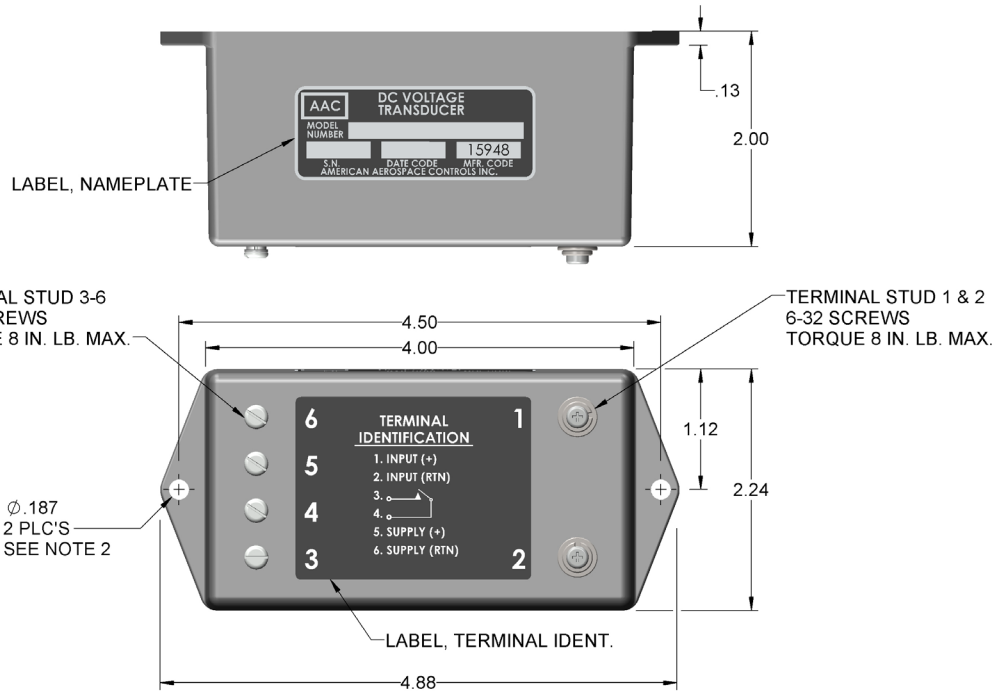


**DC VOLTAGE LEVEL DETECTOR
PART NUMBER S631-800**



INPUT

RANGE	0 to + 800Vdc
OVERLOAD (CONTINUOUS).....	1000Vdc
(TRANSIENT).....	2000Vdc for 25M-sec.

TRIP POINT

SET POINT	+375Vdc
HYSTERESIS	Auto reset 10Vdc ±5% below trip point
REPEATABILITY	± 0.5% of 400Vdc (-25 to + 70°C)

OUTPUT

RELAY CONTACT (SPST)	Actuated at and above trip point
CONTACT RATING	10amp @ 45Vdc
RESPONSE	110M-sec. MAX.
DIELECTRIC STRENGTH	4000 V RMS coil to contact
	1000 V RMS between open contact

POWER SUPPLY

SUPPLY VOLTAGE	+25 to 45Vdc
CURRENT DRAIN	50mA max.
PROTECTION.....	Reverse polarity protected

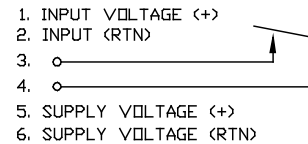
ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE.....	-25°C to +75°C
STORAGE TEMPERATURE	-40°C to +85°C
SHOCK & VIBRATION	IAW ADTRANZ Doc. ABB-ES-091291-1
OPERATING HUMIDITY	0 to 95% Relative Humidity
INSULATION RESISTANCE	500 M-ohms @ 500Vdc
DIELECTRIC STRENGTH	3.3Kv RMS 60Hz
CASE	Thermoplastics Cyclocac ABS Meets UL Flammability Rating 94 V-0
WEIGHT	1.5 lbs. max.

NOTE:

1. TERMINALS : 1 -- 2 : 6-32 SCREWS TORQUE 8 IN-LB MAX.
3 - 6 : 4-40 SCREWS TORQUE 8 IN-LB MAX.
2. RECOMMENDED MOUNTING HARDWARE #8 SCREW, #8 SPLIT LOCKWASHER AND #8 FLAT WASHER.
TORQUE MAXIMUM 18 IN-LB.

TERMINAL IDENTIFICATION



AAC	Drawing Number 700-S631	Rev. F
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