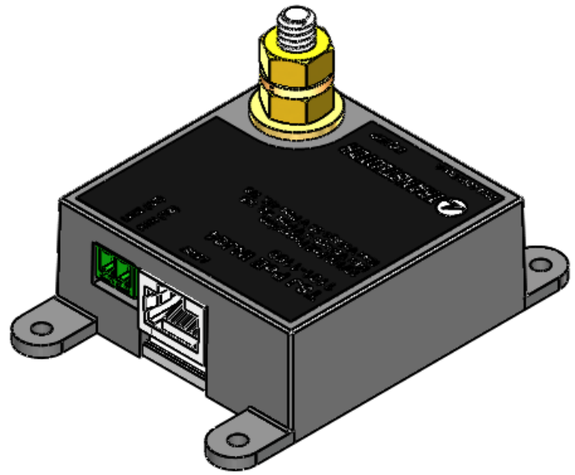
REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
A	PRODUCTION RELEASE	DD89333	4/3/12	LC



MAXIMUM CHARACTERISTICS

Application:
The TSJ-PoE Series surge suppressors are designed to protect equipment from transient over-voltages on Power and Ethernet applications. The DC power terminal is connected directly to the positive pins (4,5) and the negative pins (7,8) of the RJ45 jack and when connected to a DC power supply it provides power for the Power and Ethernet circuit. The suppression protects the Ethernet circuit by limiting the magnitude of transient over-voltages that are present on each pair relative to each other and relative to ground.

Electrical Performance:

Connector Style (data): Shielded RJ45
- **Data Rate:** up to 100Mb/s
- **Protected Data RJ 45 Pins:** (1,2) and (3,6)
- **Protection Modes:** L-L & L-G
- **Nominal Operating Voltage:** 5Vdc
- **Maximum Continuous Operating Voltage:** 6Vdc
- **Maximum Surge:**
  100A, 10/1000µS (CORE 1089), L-L, L-G
  3kA. 8/20µS (IEC 61000-4-5), L-L, L-G
- **Breakdown Voltage:**
  ±9Vdc
- **Series Resistance:**
  0.4 Ohms Typical
- **Maximum Holding Current:**
  750mA @ +20°C
  1100mA @ -40°C
  390mA @ +85°C

Connector Style (DC): Input Terminals
- **Protected DC Power Pins:** (4,5) and (7,8)
- **Nominal Operating Voltage:** 24Vdc
- **Maximum Continuous Operating Voltage:** 28Vdc
- **Breakdown Voltage:** ±33Vdc
- **Series Resistance:** 0.05 Ohms Typical
- **Maximum Holding Current:**
  3.0A @ +20°C
  4.13A @ -40°C
  1.78A @ +85°C

Mechanical:
Enclosure Description: The suppressor is housed inside a black, non-metallic module rated to UL 94-5V.

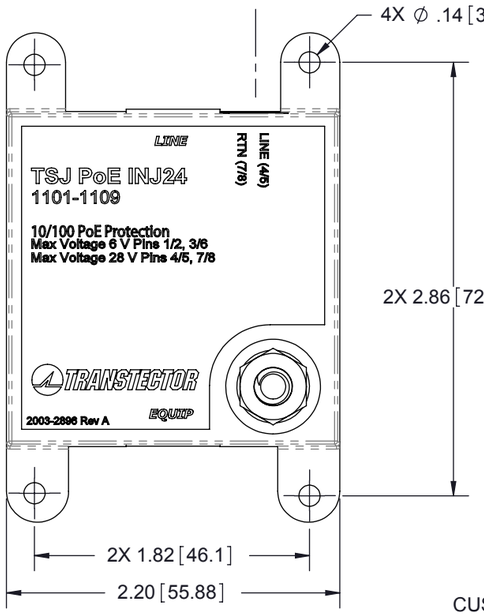
Max Dimensions:
(H x W x D) in: 3.2 x 2.2 x 1.7

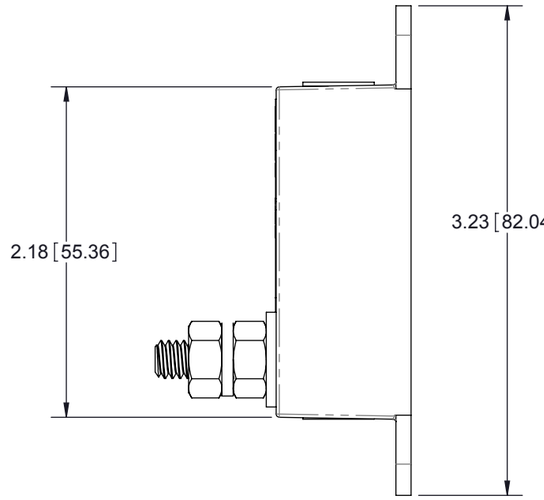
Weight: 0.15lbs

Installation Requirements:
Connections: One (1) RJ-45 receptacle (LINE), One (1) RJ-45 receptacle (EQUIP), One (1) two position terminal block (sized for 16 to 28AWG). One (1) ¼-20 ground lug

Environmental:
Operating/Storage temperature: -40°C to +85°C
Relative Humidity: 99% (non-condensing)

RoHS Compliant.





CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:
FRACTIONS=± . .XX=± .01
ANGLES=± 1 ° .XXX=± .005

MATERIAL
NOTED
.

THIRD-ANGLE PROJECTION

DRAWN	HMB	DATE 4/3/12
ENG APPD	LC	4/3/12
PRODUCT MGR	CAP	4/10/12
MARKETING APPD	LJ	4/11/12
PROJECT NO.	DD89333	

TRANSTECTOR

TITLE
TSJ
PoE INJ24
CUSTOMER SPECIFICATION

SIZE	CAGE	DOCUMENT NAME	REV
B	30992	1101-1109-C	A

SCALE	PROD CAT	PART NUMBER	SHEET
1:1	DST	1101-1109	1 OF 1

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