

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
A	PRODUCTION RELEASE	11386	4/2/13	CAP

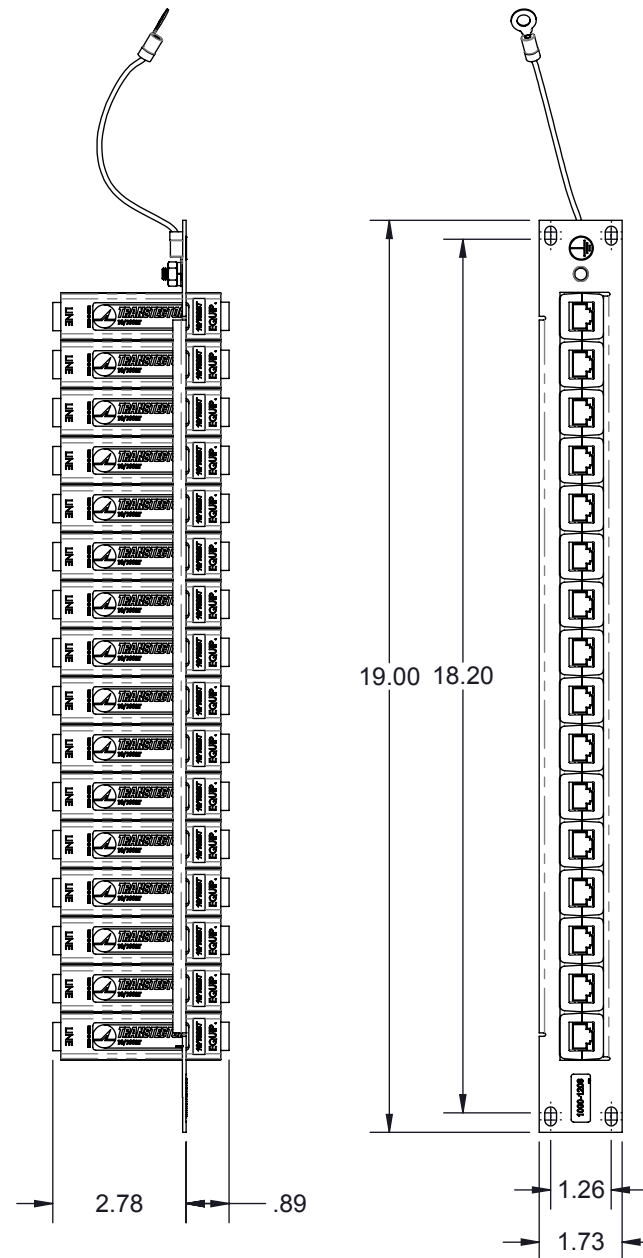
**Application:**  
 Transtector's DPR Series is engineered for high performance, compact versatile surge protection of 10/100BT equipment used for communications circuits. The individual modules can be used as stand alone surge protection device that are an inline component and can be mounted to the wall or DIN rail (clip included and functions as ground connector). Configured in the 19" rack chassis, the array of 16 modules act also serve as a cross connect. For the ultimate in scalability and reliability, Transtector's non-degrading, high performance advanced surge protection devices are the solution. All of the DPR Protection Modules utilize Silicon Avalanche Diode technology. The 16 module wide array unit consists of individual protection modules that mount onto the 19", 1U high rack chassis with connections from the front face (LINE) through to the back face (protected EQUIP). The Rack Housing Kit can be bought separately and field equipped with Protection Modules, up to 16 modules total. The individual Protection Module is available as a stand-alone protection product with a 35mm DIN rail grounding clip. The stand-alone DIN rail clip and/or 19" Rack Housing must be securely grounded for proper operation. All protection configurations offer straight through pin-outs from the input to output connectors. In the unlikely event of surge protection self sacrifice, the individual protection modules will reliably fail short to disrupt communication.

**Electrical:**  
 Data Rate: 100Mb/s  
 Nominal Operating Voltage: 5Vpeak  
 Maximum Continuous Operating Voltage: 6Vpeak  
 Connector Style: RJ45 Cat5 unshielded 100ohm, 50ohm single ended  
 Protected Pins: (1,2) (3,6) (4,5) (7,8)  
 Impedance: 85 to 115ohms  
 Attenuation: < -1dB @ 16MHz  
 Surge Suppression: < 25Vpeak @ 100A 10/1000µs  
 Peak Surge Current: 100A @ 10/1000µs  
 Response Time: <5ns  
 Capacitance: <50pF

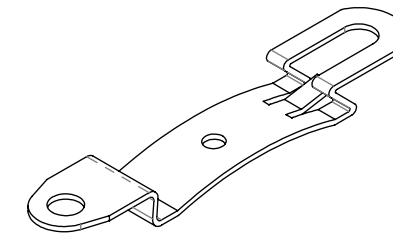
**Environmental:**  
 Operating/Storage Temperature: -40°C to +75°C  
 Relative Humidity: 99% (non-condensing)

**Mechanical:**  
 Rack Chassis Material: 14 gauge aluminum, black powder coat  
 Weight, Individual Module: .15lbs (.07kg)  
 Weight, Fully Configured: 5.2lbs (2.4kg)  
 Module Case Material: Black ABS Plastic, UL94V0 Flame Rating

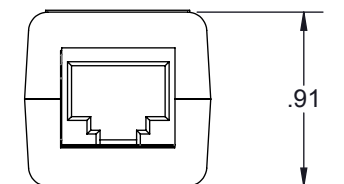
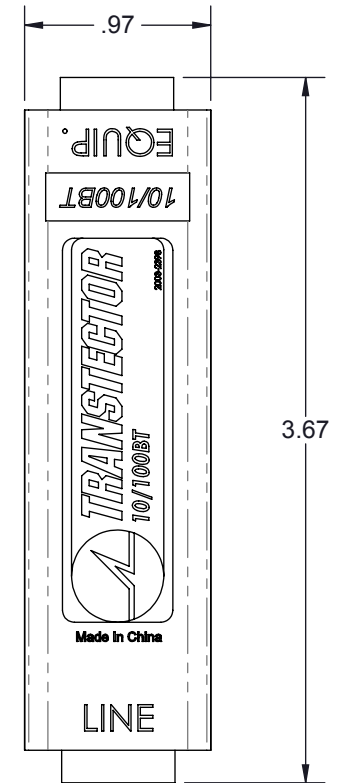
**Applicable Industry Standards:**  
 Bonding and Grounding: NEC 800.100 and 830.100  
 Surge Suppression: GR-1089-2006  
 10/100BT (Ethernet) Communication Protocol: IEEE 802.3



SCALE 1:4



The DIN rail mount ground clip attaches to the bottom of the individual DPR module and offers secure ground point attachment for signal integrity and surge protection onto DIN strut. The clip may be rotated 90 degrees for panel mount, but a separate ground wire must be attached for that type of mount method.



CUSTOMER APPROVAL: \_\_\_\_\_ DATE: \_\_\_\_\_

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	DRAWN	HMB	DATE	2/15/13	
	ENG APPD	CAP	DATE	4/2/13	
	PRODUCT MGR	MLH	DATE	7/10/13	
	MARKETING APPD	LJ	DATE	7/16/13	
MATERIAL	PROJECT NO.				
THIRD-ANGLE PROJECTION					
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TITLE		SIZE	CAGE	PART NUMBER	REV
<b>DPR 10/100 BASE-TX</b> CUSTOMER SPECIFICATION		B	30992	1101-828-1	A
SCALE	PROD CAT	DOCUMENT NAME	SHEET	OF	
1:1	DST	1101-828-1-C	1	1	

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