

## Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE+ Shielded RJ45 GDT CE Compliant, EN/IEC 60950-1, UL 497B

### ALPU-L130 ALPU Lite



#### Features

- UL 497B, EN/IEC60950-1
- Models for all Common Ethernet/PoE Protocols
- Shielded RJ-45 or Punch Down Block Wiring
- Pole or Wall Mount

#### Applications

- Gigabit Ethernet/PoE+ Networks
- Telecommunications Base Stations
- WISP/ISP
- IT & Data Centers
- Point-to-Point Links
- Control Lines and Sense Loops
- Oil & Gas

#### Description

Data surge protector (also known as SPD or lightning protector) ALPU-L130 from Transtector is an outdoor style SPD that utilizes state of the art GDT technology to protect critical equipment in Gigabit Ethernet/PoE+ protocol data networks while remaining transparent to data throughput. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by absorbing high amounts of transient energy while maintaining a very low clamping voltage. Transtector Data Signal surge protectors are available in stock with same day shipping.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		Shielded RJ45		
Compatible Cables		Cat5/5e UTP/STP, Cat6/6A STP		
Data Protocols		Gigabit Ethernet/PoE+		
Data Rate			1,000	Mb/s
Characteristic Impedance			100	Ohms
Power over Ethernet Protocols		PoE+		
Vdc Rating (Data)		48	60	Vdc
PoE Power			51	W
PoE Current Per Pin			600	mA

#### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		GDT		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Data Surge Protector SPD ALPU Outdoor Gigabit Ethernet/PoE+ Shielded RJ45 GDT CE Compliant, EN/IEC 60950-1, UL 497B ALPU-L130](#)

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Protection Modes	L-G, S-G		
8/20 $\mu$ s Surge Current			
L-G	1		kA
S-G	20		kA
Response Time	75		ns

## Mechanical Specifications

### Size

Height	4.5 in	[114.3 mm]
Width	4 in	[101.6 mm]
Depth	1.7 in	[43.18 mm]
Weight	0.33 lbs	[149.69 g]

## Environmental Specifications

Operating Temperature	-40 to +65 deg C
Storage Temperature	-40 to +75 deg C
Environmental Protection Rating	IP23
Mount Type	Pole/Wall
Installation Hardware	Combination Drive Screw
Grounding	#10 - #12 AWG Ring Terminal

## Compliance Certifications

CE Compliant	Yes
UL Compliant	Yes
Certifications	UL 497B EN/IEC 60950-1 NOM

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Shielded RJ45 GDT CE Compliant, EN/IEC 60950-1, UL 497B

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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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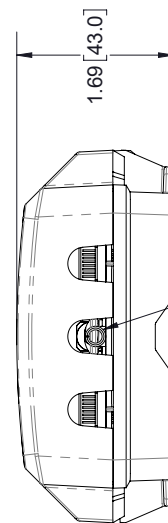
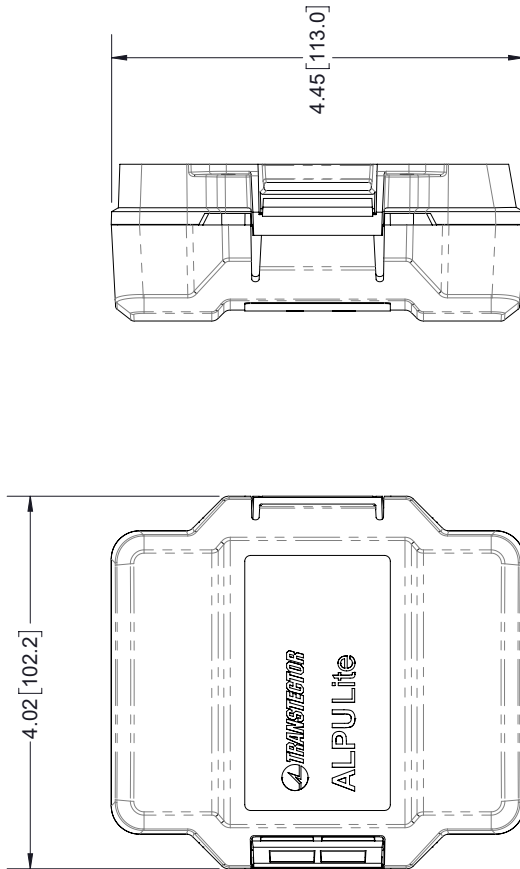
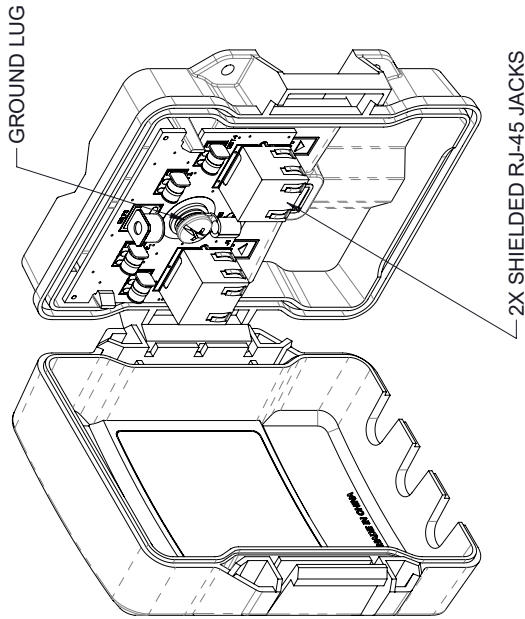
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ALPU-L130 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/17/19	DWR



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<p>SIZE A</p> <p>CAGE 30992</p> <p>DRAWN BY HMB</p> <p>PART NUMBER ALPU-L130</p>	<p>REV A</p>

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