

# Surge Suppressor

# Cat5e & Cat6

TPD Cat5 & Cat6 surge suppressors dissipate and removes harmful transient voltages traveling on Ethernet and data lines reducing lockups, glitches, reprogramming issues and damage.

Rebooting, reprogramming and replacing processors, circuit boards and components can be a never-ending battle. Without treating these transients pulses degrade the life and reliability of these systems and controls. The TPD-CAT5E offers the highest quality data line protection available. Strategically protect data pathways that are connected to network. Installing the TPD-CAT5E will reduce damage caused by surges that enter on these pathways and destroy routers, hubs and network devices. The TPD-CAT5E unit incorporates the newest solid state technology. Unlike other technologies on the market the TPD-CAT5E performance will not degrade. You can count on the TPD-CAT5E working now and 5000 surges later.

AV Racks  
Network Racks  
POE Cameras  
Distributed Video  
Landscape Lighting  
Ethernet



Total Protection Design offers a broad range of surge suppression products to extend the life and reliability of electronic equipment.

## SPECIFICATIONS

**Applications:** Data systems with <1Gbps and <100Mhz

**Design:** Solid State fail-safe design

**Warranty:** 3-Year Unlimited Free Replacement

**Wires Protected:** All wires.

**Response Time:** < 1 nanosecond

**Number of Protected Pairs (Wires):** 4 Pair (8 wire)

**Dimensions TPD-CAT5E & POE:** 2.28"H x 1.40"W x 2.28"D

**Dimensions TPD-CAT6 & POE:** 1.25"H x 1.25"W x 0.65"D

**Enclosure Type:** High-impact, non-metallic UL 94-5V flame resistant rated

**Connection Method TPD-CAT5E:** RJ45 In/Out (RJ45 female connections on both sides). Bidirectional, not in/out sensitive.

**Connection Method TPD-CAT6:** (1) RJ45 female connection (1) RJ45 male connection. Bidirectional, not in/out sensitive.

**Mounting Method:** TPD-CAT5E Din Rail or Screw Down Mounted, TPD-CAT6 lite weight hangs in line

**Operating Temperature:** -40° C to 85° C (-40° F to 185° F)

**Weight:** 0.3 lbs. (0.13 kg)

## CAT5E & CAT6 SPECIFICATIONS

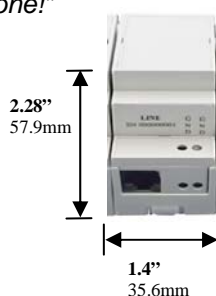
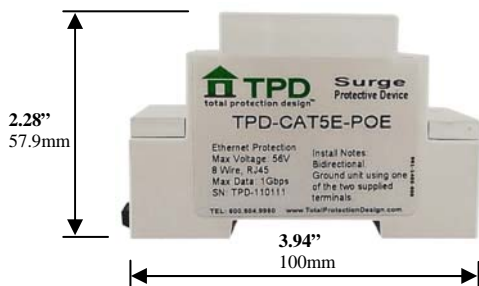
| Model Number  | Description                                       | Strength Watts/Wire | Maximum Operating Voltage | Maximum Data Rate |
|---------------|---|---------------------|---------------------------|-------------------|
| TPD-CAT5E     | 4 Pairs (8 Wires) RJ45 IN/Out Standard CAT5e      | 3,000               | 7.5V                      | 100 Mbps          |
| TPD-CAT5E-POE | 4 Pairs (8 Wires) RJ45 IN/Out Power Over Ethernet | 20,000              | 56V                       | 100 Mbps          |
| TPD-CAT6      | 4 Pairs (8 Wires) RJ45 IN/Out Standard CAT5e      | 1000                | 7.5V                      | 1 Gbps            |
| TPD-CAT6-POE  | 4 Pairs (8 Wires) RJ45 IN/Out Power Over Ethernet | 1000                | 56V                       | 1 Gbps            |

Specifications subject to change without notice, see web site [www.totalprotectiondesign.com](http://www.totalprotectiondesign.com) or latest revisions.

## COMMENTS:

*"We have Ethernet lines for cameras, outdoor WAP and distributed video just to name a few. Every time a storm came through by we lost an electronic device on the system that was tied into one of these lines. The damage usually occurred on the low voltage side of the equipment. After using the combination Cat5E units along with the TTLP on all breaker panels we have not had one issue!"*

*"Everything else we tried failed because of the lack of strength. Not only did the TPD units survive but the lockups we were experiencing are also gone!"*



Need additional assistance?  
Call Technical Support  
1-888-281-7856  
[www.totalprotectiondesign.com](http://www.totalprotectiondesign.com)

**Tech Note:** For proper grounding and installation techniques please refer to installation manual.

