

Surge Suppressor

LIT

TPD Power Filter absorbs, dissipates and removes harmful transient voltages traveling on AC & DC power circuits reducing lockups, glitches and reprogramming issues.

Improve power quality for your sophisticated electronic loads. **Rebooting, reprogramming and replacing processors, circuit boards and components** can be a never-ending battle. **Problems** in the system are as simple as occasional glitches locking up or turning on and off equipment without user input to **wide spread damage during a severe lightning storm**. TPD-LIT series eliminates damaging pulses traveling in on low voltage pathways protecting lighting systems, drive way probes and 4-20mA current loops etc. These pulses of energy are distributed throughout the system if left unprotected. The problems will vary depending upon the size and frequency of these pulses. As microprocessors try to function, these transient pulses of energy will cause lock-ups where data can become lost or corrupted. **Larger pulses will cause catastrophic failure while smaller pulses degrade the life and reliability of these systems and controls.**

Protect 24V or 36V Power Supplies
Control Wires under 500kbps
Automation & Lighting Systems
Key Pads



LIT PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode Per Wire	System Voltage	Max Data Rate	Max Amperage	Application
TPD-24LIT24 (24 Wire)	L1 to 4	5 - 24V	500kbps	5 Amps	Power/Communication
TPD-24LIT12 (12 Wire)	L1 to 4	5 - 24V	500kbps	5 Amps	Power/Communication
TPD-24LIT4 (4 Wire)	L1 to 4	5 - 24V	500kbps	5 Amps	Power/Communication
TPD-36LIT24 (24 Wire)	L1 to 4	25 - 36V	500kbps	5 Amps	Power/Communication
TPD-36LIT12 (12 Wire)	L1 to 4	25 - 36V	500kbps	5 Amps	Power/Communication
TPD-36LIT4 (4 Wire)	L1 to 4	25 - 36V	500kbps	5 Amps	Power/Communication

Specifications subject to change without notice, see web site www.totalprotectiondesign.com or latest revisions.

SPECIFICATIONS

Maximum Rated Surge Current: 6kA per pair

Applications: RS232, RS422/423/485 data and signal lines, Protect low voltage side of lighting processor (24 & 36 volt systems)

Operating Voltage TPD-24LIT: 5 to 24 volt

Operating Voltage TPD-36LIT: 25 to 36 volt

Max Amperage: 5 Amps

Warranty: 10-Year Unlimited Free Replacement

Strength: 6kA per pair; 3kA per wire

Mode of Protection: Line-line and line-ground.

Response Time: < 1 nanosecond

Number of Protected Wires: All wires

Series Resistance: <0.1 ohm

Dimensions Case A: 3.94"H x 1.40"W x 2.28"D

Dimensions Case B: 3.94"H x 2.80"W x 2.28"D

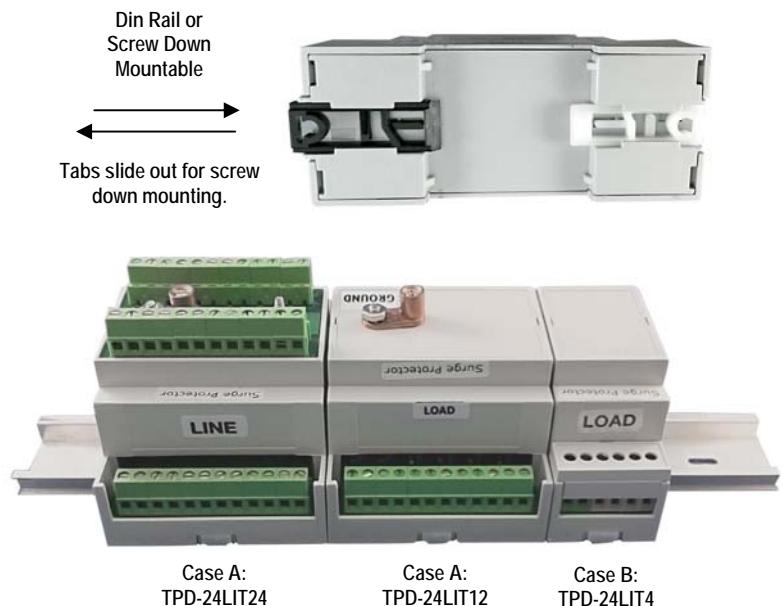
Enclosure Type: High-impact, non-metallic UL 94-5V flame resistant rated

Connection Method: Screw terminal connector; #12-30 AWG

Mounting Method: All units can be screw down or Din-Rail mounted.

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

Weight: 0.50 lbs.—0.75 lbs. (0.23 kg—0.34 kg) depending on number of circuits.



Need additional assistance?
Call Technical Support
1-888-281-7856
www.totalprotectiondesign.com

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

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