

TW Linx

Surge Protection Solutions

TW Linx[®] GUARD

ADAPTIVE AC SURGE PROTECTION

WITH

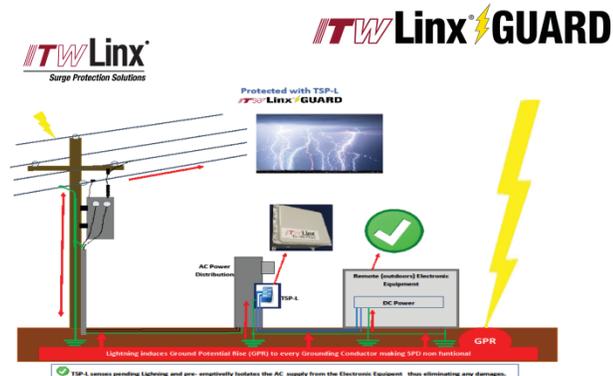
LIGHTNING DETECTION AND LOAD ISOLATION

TSP-L Series

The TSP-L Series is a next generation Surge Protection System incorporating lightning detection, load isolation, electrical wiring fault detection and AC voltage monitoring.

TSP-L Series pre-emptively disconnects and isolates electronic systems for the duration of the threat and automatically re-connects AC power after the threat has passed.

During isolation mode equipment operation continues if powered by a standby UPS, batteries or generator.



Features & Benefits

- Detects impending lightning before the strike occurs
- Isolates and protects sensitive equipment from destructive AC transients and ground currents
- Protects communications installations per 1692-2011 - IEEE Guide for the Protection of Communication Installations from Lightning Effects
- Selectable voltage thresholds prevent unstable re-connection of AC power
- Analyzes and monitors electrical infrastructure for proper wiring
- Remote communications capability
- AC power quality and voltage monitoring enhance powering stability and increase equipment reliability
- The PCBA Communication board creates a closed loop circuit condition when a lightning event has occurred or a utility power condition happens

Applications

- Critical equipment and infrastructure
- Outside plant and remote equipment
- Security systems
- Business automation systems
- Networks and wireless systems
- Oil and gas infrastructure
- Rail systems and infrastructure
- Where traditional SPDs fail to protect



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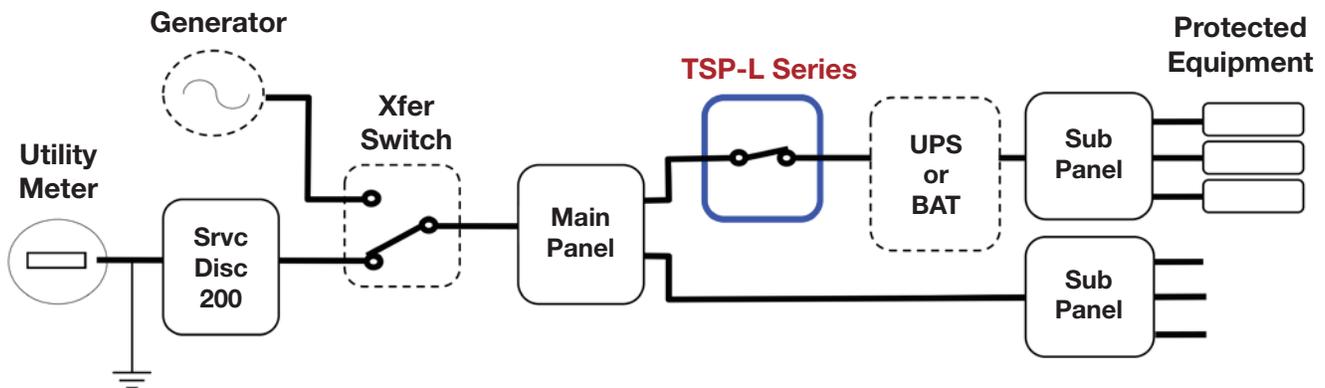
Model & Specifications

| | |
|---|--|
| Model | TSP-L 240/120-60* |
| Dimensions (W x H x D) | 12" x 14" x 10" |
| Net Weight | 12 lbs. |
| Voltage | 120/240 VAC |
| Frequency | 50/60 Hz |
| Load Disconnect Capacity | 60A |
| Conductors Disconnected | L1/L2/N |
| Power Consumption | < 20W |
| Nominal Discharge Current 8/20 (In) | 20KA |
| Max. Discharge Current 8/20 (Imax) | 80KA |
| Typical Lightning Sensor Range | <5 miles |
| Load Isolation | >12KV |
| Cooling | Convictional |
| Storage Temperature | -40° C to 85° C |
| Operating Temperature | -40° C to 50° C |
| Indoors & Outdoors Installation | Yes |
| Outdoors NEMA Rating 4x | Yes |
| Standards and Compliance | UL1449 4 th Edition SPD Type 2 |
| *Add R for Optional Remote Lightning Detection Antenna | Yes |

R=Remote

UL 1449 4th Edition SPD TYPE 2

Typical Installation



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE