

# Telephone Line Surge Suppression



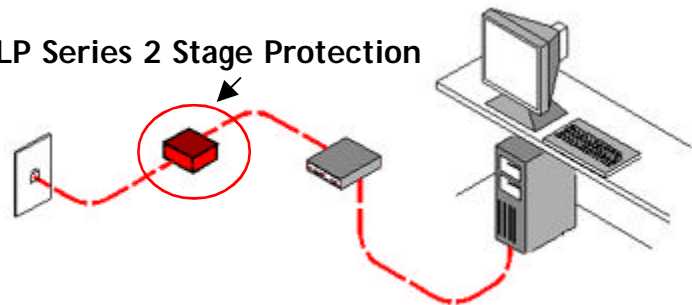
TLP-60

**Inductive switching** and **lightning strikes** can generate surges and spikes. These power disturbances can travel down telephone lines causing *damaged circuit boards, scrambled data, and electronic component degradation.*

## Two Suppression Stages

- ◆ Bi-directional diodes provide a fast response time to surges
- ◆ Gas discharge tubes provide energy suppression

## TLP Series 2 Stage Protection



TLP-2B

**Protect** card readers, computers, modems, facsimile equipment, and other telephone communications devices from potentially damaging phone line power surges.

Models are available for standard, leased line and broadband applications

# TLP-Series Surge Suppression Devices

## General Specifications - All Units

All TLP series surge suppression devices are positioned between the telephone wall jack and the communications device to be protected and offer Power Integrity's unique 2-stage protection.

Stage 1 protection	Clamp voltage 1mA DC-250 Volts $\pm 5\%$ 10 x 1000uS - 430.0 Volts Maximum @ 5.0 Amperes
Stage 2 protection	DC Breakdown Voltage: 350 Volts $\pm 20\%$ Impulse Breakdown: 750 Volts @ 100V/uS Surge Current (8 x 20uS): 10,000 Amperes

## Specifications

Both the **TLP-2B** and **TLP-2J** are single-circuit telephone line surge suppressors. They are used for standard telephone lines and provide two different grounding options. The TLP-2B is grounded by connecting the supplied ground wire to a suitable ground and to the binding post on the TLP-2B suppressor. The TLP-2J is grounded by plugging it into a properly grounded NEMA 5-15R receptacle.

### TLP-2B Specifications

Connectors:	6-position modular jacks (input and output)
USOC Applications:	USOC RJ-11
Conductors Used:	2, 3, 4, and 5
Conductors protected:	3 and 4
Width:	2.00 in.
Height:	1.25 in.
Depth:	1.50 in.

### TLP-2J Specifications

Connectors:	6-position modular jacks (input and output)
USOC Applications:	USOC RJ-11
Conductors Used:	2, 3, 4, and 5
Conductors protected:	3 and 4
Width:	2.00 in.
Height:	1.25 in.
Depth:	1.50 in.

The **TLP-60** is typically used for the protection of dedicated leased lines which consist of two lines-one transmitting and one receiving line. The TLP-60 is grounded by connecting the supplied ground wire between the binding post and a suitable ground.

### TLP-60 Specifications

Connectors:	8-position modular jacks (input and output)
USOC Applications:	USOC RJ-11
Conductors Used:	1, 2, 3, 4, 5, 6, 7 and 8
Conductors protected:	3, 4, 5 and 6
Width:	2.25 in.
Height:	1.25 in.
Depth:	3.25 in.

