

# LIGHTNING ELIMINATORS

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## TLX50<sup>®</sup>

### Transient Limiter

**Nipple-Mounted Surge Protector for Light Load Service Entrances & Subpanels**

### Effective

50,000 amps of protection in all modes, L-N, L-G, L-L and N-G.

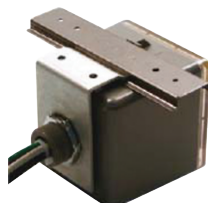
### Versatile Type 1 SPD

Provides a wide variety of voltages and configurations for any application: industrial, commercial, or residential. Can be installed upstream or downstream of main disconnect.

### Tri-Mount Installation Kit Included



Std. 3/4" - 14" Nipple



DIN-rail Mount (rail not incl.)



Bracket Mount for flat surfaces

**Lightning induced surges, transients and other power anomalies can easily degrade** or destroy unprotected electronics and computer equipment. Suitable for all AC power applications, the TLX50 line of nipple-mounted surge protection devices (SPD) protect sensitive electronics from these damaging transients and high-energy disturbances.



All models are designed for use at subpanels and service entrances of light industrial, commercial or residential applications and feature watertight, dust proof, NEMA 4X enclosures.

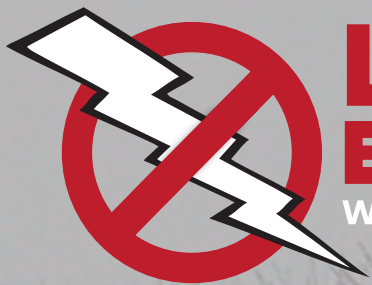
**The TLX50 line can be used indoors or outdoors**, mounted to the electrical panel through a direct nipple connection. The LED status indicator provides a quick visual diagnostic.

*"All of our TLX50 surge protectors are backed by a 2-year manufacturer's warranty."*

**TLX50 surge protectors are fully automatic, reacting immediately to stop damaging surges**, with no restriction on the amount of load current. These compact and durable devices offer cost-effective, high-capacity protection along with application versatility - features that make the TLX50 line of surge protectors the ultimate solution to your surge protection needs.



**Made in the U.S.**



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## Configurations

Model No.	System Voltage & Configuration
TLX50-120-1	120 volt single phase
TLX50-240-1	240 volt single phase
TLX50-120/240S	120/240 volt split phase
TLX50-120/208Y	120/208 volt 3 phase wye
TLX50-220/380Y	220/380 volt 3 phase wye
TLX50-277/480Y	277/480 volt 3 phase wye
TLX50-120/240H	120/240 high leg delta*
TLX50-240/480H	240/480 high leg delta*
TLX50-240-3D	240 volt 3 phase delta
TLX50-480-3D	480 volt 3 phase delta
TLX50-600-3D	600 volt 3 phase delta

\* Center phase grounded delta

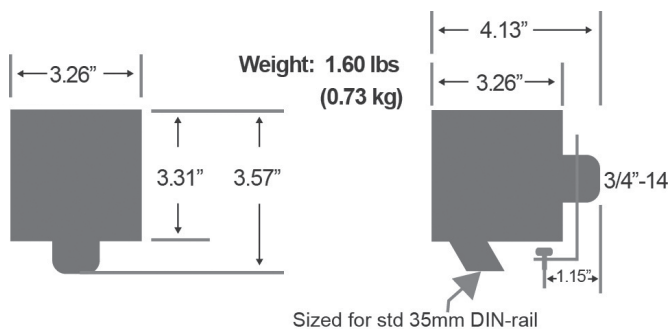
## Operating Parameters

<b>Surge Capacity per Phase</b>	50kA 8x20µs Per Mode
<b>Modes Protected</b>	L-N, L-G, L-L, N-G
<b>Indication</b>	Color LED
<b>Temperature Limits</b>	-40 C to 60 C
<b>Relative Humidity Range</b>	0-95% Non-Condensing
<b>Frequency</b>	47-63 Hz
<b>Response Time</b>	<1ns
<b>Enclosure</b>	NEMA 4X Polycarbonate
<b>UL 1449 3rd Edition Listed</b>	Yes (Sept. 2009) USA Voltages Only
<b>Warranty</b>	2 years
<b>Pigtail Wire Sizes</b>	#10 AWG, 36" length
<b>Type 2 Connection</b>	#10 AWG/30A Breaker
<b>Code Compliance</b>	UL, ANSI/IEEE, NEMA, NEC, IEC, CE, ISO 9001:2000

## TLX50 Performance Data

Model No.	L-N	L-L	N-G	L-G	I <sub>n</sub>	SCCR	MCOV
TLX50-120-1	600	N/A	600	1000	20kA	200kA	150
TLX50-240-1	1200	N/A	1000	1800	20kA	200kA	320
TLX50-120/240S	600	1000	600	1000	20kA	200kA	150
TLX50-120/208Y	600	1000	600	1000	20kA	200kA	150
TLX50-220/380Y	1200	2000	1000	1800	20kA	200kA	320
TLX50-277/480Y	1200	2000	1000	1800	20kA	200kA	320
TLX50-120/240H	600/1200	1000/1500	600	1000/1500	20kA	200kA	150/320
TLX50-240/480H	1200/1800	2500	N/A	N/A	10kA	200kA	320/550
TLX50-240-3D	N/A	1500	N/A	1200	20kA	200kA	320
TLX50-480-3D	N/A	3000	N/A	1800	10kA	200kA	550
TLX50-600-3D	N/A	2500	N/A	2500	20kA	200kA	690

## Dimensions



**Option Suffix:**  
 50 = 50 Hertz Application  
 A = Audible Alarm & Dry Contacts  
 S-Kit = Series Connection Kit