

# LIGHTNING ELIMINATORS

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## TLX100<sup>®</sup>

### Transient Limiter

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

### Effective

100,000 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.

### Easy-to-Install

Compact design for easy installation with  
optional flush mounting.

### Durable

Designed with dual-redundant varistor  
networks and internally fused

Lightning induced transients and other  
power anomalies can easily degrade  
or destroy unprotected electronics and  
computer equipment. Suitable for all AC  
power applications, the TLX100 line of type  
1 nipple-mounted surge protection devices  
(SPDs) protects 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, and residential applications and  
feature watertight, dust proof, NEMA 4X  
enclosures.

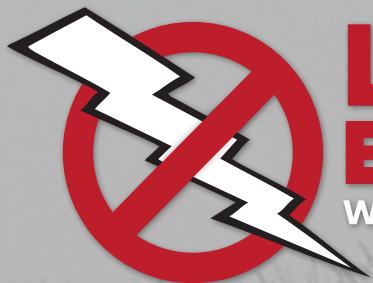
**The TLX100 line can be used indoors or  
outdoors** - mounted to the electrical panel  
through a direct nipple connection. LED status  
indicators allow each varistor network to be  
visually monitored.

**All of our TLX100 surge protectors are  
backed by a 10-year manufacturer's  
warranty.**

**TLX100 surge protectors are fully  
automatic, reacting immediately to clamp  
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 TLX100  
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
TLX100-120-1	120 volt single phase
TLX100-240-1	240 volt single phase
TLX100-120/240S	120/240 volt split phase
TLX100-120/208Y	120/208 volt 3 phase wye
TLX100-220/380Y	220/380 volt 3 phase wye
TLX100-240/415Y	240/415 volt 3 phase wye
TLX100-277/480Y	277/480 volt 3 phase wye
TLX100-120/240H	120/240 high leg delta*
TLX100-240-3D	240 volt 3 phase delta
TLX100-480-3D	480 volt 3 phase delta
TLX100-600-3D	600 volt 3 phase delta
TLX100-240-3PGD	240 volt 3 phase grounded delta**
TLX100-480-3PGD	480 volt 3 phase grounded delta**
TLX100-600-3PGD	600 volt 3 phase grounded delta**

\* Center Phase Grounded Delta \*\* Corner Grounded Delta

## Operating Parameters

<b>Surge Capacity per Phase</b>	100,000 amps
<b>Modes Protected</b>	L-N, L-G, L-L, N-G
<b>Indication</b>	Color LEDs
<b>Temperature Limits</b>	-40 C to 85 C
<b>Relative Humidity Range</b>	0 - 95% non-condensing
<b>Frequency</b>	47-63 Hz
<b>Response Time</b>	<1ns
<b>Enclosure Rating</b>	NEMA 4X Polycarbonate
<b>UL 1449 Listed</b>	Yes*
<b>Warranty</b>	10 years
<b>Pigtail Wire Sizes</b>	#10 AWG, 36" length
<b>Optional</b>	Audible Alarm & Form C Dry Contact
<b>Code Compliance</b>	UL, ANSI/IEEE, NEMA, NEC, IEC, CE, ISO 9001:2000
<b>Dimensions</b>	8.3"x3.6"x3.0" inches

\* U.S. Voltages Only

## TLX100 Performance Data

Model No.	L-N	L-L	N-G	L-G	I <sub>n</sub>	SCCR	MCOV
TLX100-120-1	600	N/A	500	700	20kA	200kA	150
TLX100-240-1	1200	N/A	1000	1200	20kA	200kA	320
TLX100-120/240S	600	1000	500	700	20kA	100kA	150
TLX100-120/208Y	600	1000	500	700	20kA	200kA	150
TLX100-220/380Y	1200	1800	1000	1200	20kA	200kA	320/552
TLX100-240/415Y	1200	1800	1000	1200	20kA	200kA	320/552
TLX100-277/480Y	1200	1800	1000	1200	20kA	200kA	320
TLX100-120/240H	600/1200	1000	500	700/1200	20kA	200kA	150/320
TLX100-240-3D	N/A	1200	N/A	1200	20kA	200kA	320
TLX100-480-3D	N/A	1800	N/A	1800	10kA	200kA	552
TLX100-600-3D	N/A	2500	N/A	2500	10kA	200kA	690
TLX100-240-3PGD	N/A	1200	N/A	1200	20kA	200kA	320
TLX100-480-3PGD	N/A	1800	N/A	1800	10kA	200kA	552
TLX100-600-3PGD	N/A	2500	N/A	2500	10kA	200kA	690