

LIGHTNING ELIMINATORS

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TLX50[®]

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.

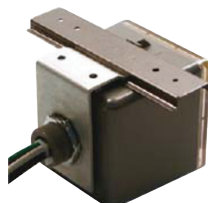
Versatile Type 1 SPD

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.

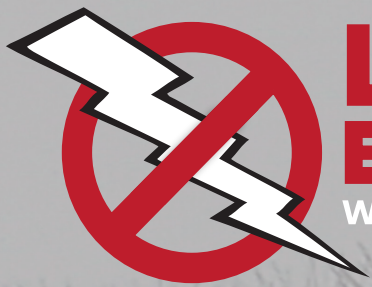
The TLX50 line can be used indoors or outdoors, mounted to the electrical panel through a direct nipple connection. The LED status indicator provides a quick visual diagnostic.

"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

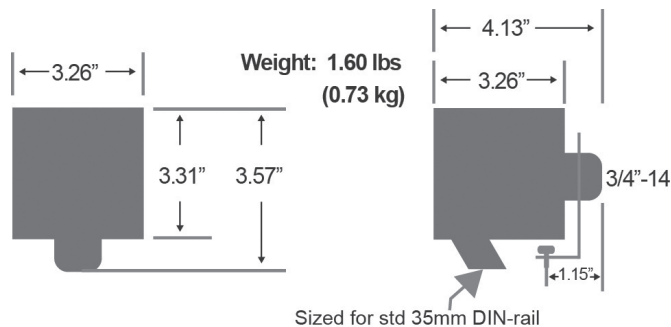
Operating Parameters

서지용량 (per Phase)	50kA 8x20µs Per Mode
보호모드	L-N, L-G, L-L, N-G
알림표시	Color LED
허용온도	-40 C to 60 C
상대습도 범위	0-95% Non-Condensing
주파수	47-63 Hz
응답시간	<1ns
Enclosure	NEMA 4X Polycarbonate
UL 1449 3rd Edition Listed	Yes (Sept. 2009) USA Voltages Only
보증기간	2 years
Pigtail Wire Sizes	#10 AWG, 36" length
Type 2 Connection	#10 AWG/30A Breaker
Code Compliance	UL, ANSI/IEEE, NEMA, NEC, IEC, CE, ISO 9001:2000

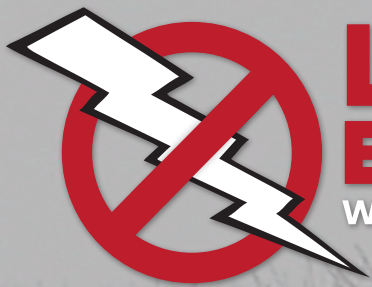
TLX50 Performance Data

Model No.	L-N	L-L	N-G	L-G	I _n	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



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TLX100[®]

Transient Limiter

A Nipple-Mounted Surge Protector for for Medium and 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.

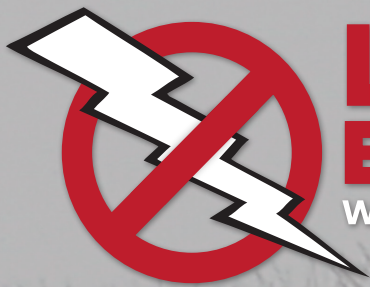
The TLX100 line can be used indoors or outdoors - mounted to the electrical panel through a direct nipple connection. LED status indicators allow each varistor network to be visually monitored.

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

서지용량 (per Phase)	100,000 amps
보호모드	L-N, L-G, L-L, N-G
알림표시	Color LEDs
허용온도	-25 C to 85 C
상대습도 범위	0 - 95% non-condensing
주파수	47-63 Hz
응답시간	<1ns
Enclosure Rating	NEMA 4X Polycarbonate
UL 1449 3rd Edition Listed	Yes* (Sept. 2009)
보증기간	10 years
Pigtail Wire Sizes	#10 AWG, 36" length
Optional	Audible Alarm & Form C Dry Contact
Code Compliance	UL, ANSI/IEEE, NEMA, NEC, IEC, CE, ISO 9001:2000
규격	8.3"x3"x3.7" inches

* U.S. Voltages Only

TLX100 Performance Data

Model No.	L-N	L-L	N-G	L-G	I _n	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