

## SYSTEM FEATURES



- Provides surge protection against harmful transients traveling on data and signal lines.
- Compact footprint allows for installation flexibility
- 10-Year Unlimited Free Replacement Warranty
- Four, Twelve and Twenty Four wire units.
- 24V & 36V configurations.
- Install on data and signal lines with a max data rate of 500kbps.

## PRODUCT SPECIFICATIONS

### GENERAL SPECIFICATIONS

**Maximum Rated Surge Current:** 6kA per pair

**Applications:** RS232, RS422/423/485 data and signal lines, Protect low voltage side of lighting processor (24 volt systems)

**Design:** Multistage hybrid fail-safe design

**Warranty:** 10-Year Unlimited Free Replacement

### ELECTRICAL SPECIFICATIONS

**Strength:** 6kA per pair; 3kA per wire

**Mode of Protection:** Line-line and line-ground.

**Response Time:** < 1 nanosecond

**Number of Protected Wires:** All wires

**Series Resistance:** <0.1 ohm

### Operating Voltage:

**TK-CT2-24LIT:** 5 to 24 volt

**TK-CT2-36LIT:** 25 to 36 volt

### MECHANICAL SPECIFICATIONS

**Dimensions (approx):**

**TK-CT2-LIT24:** 3.94"H x 2.80"W x 2.78"D

**TK-CT2-LIT12:** 3.94"H x 2.80"W x 2.28"D

**TK-CT2-LIT4:** 3.94"H x 1.40"W x 2.28"D

**Enclosure Type:** Polycarbonate Rated V0

**Connection Method:** Hard-wired via box terminals #22AWG - #12AWG

**Mounting Method:** Screw down or Din-Rail mounted.

**Operating Temperature:** -40° C to 85° C (-40° F to 185° F)

**Weight:** 0.50 lbs.—0.75 lbs. (0.23 kg—0.34 kg) depending on number of circuits.



**TK-CT2-LIT4 Enclosure:**  
3.94"H x 1.40"W x 2.28"D

### 24LIT Performance Specifications

Model Number	Protection Mode Per Wire	System Voltage	Max Data Rate	Max Amperage Per Wire	Application
TK-CT2-24LIT24 (6 Sets Of Four)	L1	24V	500kbps	5 Amps	Data/Signal
	L2	24V	500kbps	5 Amps	Data/Signal
	L3	24V	500kbps	5 Amps	Data/Signal
	L4	24V	500kbps	5 Amps	Data/Signal
TK-CT2-24LIT12 (3 Sets Of Four)	L1	24V	500kbps	5 Amps	Data/Signal
	L2	24V	500kbps	5 Amps	Data/Signal
	L3	24V	500kbps	5 Amps	Data/Signal
	L4	24V	500kbps	5 Amps	Data/Signal
TK-CT2-24LIT4 (1 Set Of Four)	L1	24V	500kbps	5 Amps	Data/Signal
	L2	24V	500kbps	5 Amps	Data/Signal
	L3	24V	500kbps	5 Amps	Data/Signal
	L4	24V	500kbps	5 Amps	Data/Signal

### 36LIT Performance Specifications

Model Number	Protection Mode Per Wire	System Voltage	Max Data Rate	Max Amperage Per Wire	Application
TK-CT2-36LIT24 (6 Sets Of Four)	L1	36V	500kbps	5 Amps	Data/Signal
	L2	36V	500kbps	5 Amps	Data/Signal
	L3	36V	500kbps	5 Amps	Data/Signal
	L4	36V	500kbps	5 Amps	Data/Signal
TK-CT2-36LIT12 (3 Sets Of Four)	L1	36V	500kbps	5 Amps	Data/Signal
	L2	36V	500kbps	5 Amps	Data/Signal
	L3	36V	500kbps	5 Amps	Data/Signal
	L4	36V	500kbps	5 Amps	Data/Signal
TK-CT2-36LIT4 (1 Set Of Four)	L1	36V	500kbps	5 Amps	Data/Signal
	L2	36V	500kbps	5 Amps	Data/Signal
	L3	36V	500kbps	5 Amps	Data/Signal
	L4	36V	500kbps	5 Amps	Data/Signal