

SYSTEM FEATURES



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

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 4kA per pair
Applications: RS232, RS422/423/485 data and signal lines, Protect low voltage side of lighting processor (36 volt systems)
Design: Multistage hybrid fail-safe design
Warranty: 10-Year Unlimited Free Replacement

ELECTRICAL SPECIFICATIONS

Strength: 4kA per pair; 2kA 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

MECHANICAL SPECIFICATIONS

Dimensions (approx):
TK-CT2-VAN24: 3.94"H x 2.80"W x 2.78"D
TK-CT2-VAN12: 3.94"H x 2.80"W x 2.28"D
TK-CT2-VAN4: 4.38"H x 2.89"W x 1.23"D
Enclosure Type: High-impact, non-metallic UL 94-5V flame resistant rated
Connection Method: Screw terminal connector; #12-30 AWG
Mounting Method: All units come standard with a universal mounting bracket that allows the units to be 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.

LIT PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode Per Wire	MCOV	Max Data Rate	Max Amperage	Application
TK-CT2-VAN24 (24 Wire)	L1	36V	500kbps	5 Amps	Power/Communication
	L2	36V	500kbps	5 Amps	Power/Communication
	L3	36V	500kbps	5 Amps	Power/Communication
	L4	36V	500kbps	5 Amps	Power/Communication
TK-CT2-VAN12 (12 Wire)	L1	36V	500kbps	5 Amps	Power/Communication
	L2	36V	500kbps	5 Amps	Power/Communication
	L3	36V	500kbps	5 Amps	Power/Communication
	L4	36V	500kbps	5 Amps	Power/Communication
TK-CT2-VAN4 (4 Wire)	L1	36V	500kbps	5 Amps	Power/Communication
	L2	36V	500kbps	5 Amps	Power/Communication
	L3	36V	500kbps	5 Amps	Power/Communication
	L4	36V	500kbps	5 Amps	Power/Communication

