

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: 6kA 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: 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

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: 3.94"H x 1.40"W x 2.28"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.

VAN PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode Per Wire	System Voltage	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

TK-CT2-VAN4 Enclosure:

3.94"H x 1.40"W x 2.28"D

