

## SYSTEM FEATURES



- Protects facilities and equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Includes pre-wired pigtail conductors to streamline installation
- Internal copper bus conduction path to minimize system impedances, reducing let-through voltage and increasing reliability
- Status indicating lights and Form "C" dry relay contacts for remote monitoring
- Single pulse tested at independent 3rd party lab
- Hybrid design using MOV and Tracking Filter
- UL 1283 Tracking Filter
- Small, Compact Footprint – makes installation flexible
- 25-Year Unlimited Free Replacement Warranty
- Enhanced Transient Filter option on certain models

## PRODUCT SPECIFICATIONS

### GENERAL SPECIFICATIONS

**Maximum Rated Surge Current:** 200kA per phase; 100kA per mode  
**Nominal Discharge Surge Current In:** 20kA  
**Application:** ANSI/IEEE C62.41 Location C, B & A. Ideal for distribution panels, branch panels and critical loads  
**Design:** Compact design for easy installation  
**Warranty:** 25-Year Unlimited Free Replacement  
**Safety Listing:** UL 1449 3<sup>rd</sup> Ed., Type 2, and UL 1283

### ELECTRICAL SPECIFICATIONS

**Modes of Protection:** All Modes. L-N, L-L, L-G, & N-G  
**Input Power Frequency:** 40-440Hz (47-64 Hz with enhanced filter option)  
**Response Time:** < 1 nanosecond  
**Standard Monitoring:** Status indicator lights (one per phase); Form C dry relay contacts for suppressor status  
**Short Circuit Current Rating:** 65 kAIC using a 20A max breaker

### MECHANICAL SPECIFICATIONS

**Dimensions (approx.):** 7"H x 7"W x 5"D (186 mm H x 186 mm W x 125 mm D)  
**Enclosure:** High-impact non-metallic, NEMA 4X (IP 56)  
**Connection:** Pre-wired with 24" (610 mm) #10 AWG conductor (5.26 mm<sup>2</sup>)  
**Mounting:** Multi-point mounting feet  
**Operating Environment:** -40° C to 70° C (-40° F to 160° F)  
 5% to 95% non-condensing humidity  
**Weight:** 12.7 lbs. (5.8 kg)

### AVAILABLE CONFIGURATIONS

Model Number	Description
TK-TT200-1P120	120VAC, 1 $\phi$ , 2-wire + grd
TK-TT200-1P240	240VAC, 1 $\phi$ , 2-wire + grd
TK-TT200-1S240	120/240VAC, 1 $\phi$ SPLIT-PHASE, 3-wire + grd
TK-TT200-3Y208	120/208VAC, 3 $\phi$ WYE, 4-wire + grd
TK-TT200-3Y380	220/380VAC, 3 $\phi$ WYE, 4-wire + grd
TK-TT200-3Y600	347/600VAC, 3 $\phi$ WYE, 4-wire + grd
TK-TT200-3Y415	240/415VAC, 3 $\phi$ WYE, 4-wire + grd
TK-TT200-3Y480	277/480VAC, 3 $\phi$ WYE, 4-wire + grd
TK-TT200-3D240	120/240VAC, 3 $\phi$ high-leg DELTA, 4-wire + grd (B phase must be 208V)
TK-TT200-240NN	240VAC, 3 $\phi$ DELTA, 3-wire + grd
TK-TT200-380NN	380VAC, 3 $\phi$ DELTA, 3 wire + grd
TK-TT200-480NN	480VAC, 3 $\phi$ DELTA, 3-wire + grd

### AVAILABLE OPTIONS

- Enhanced Transient Filter (ETF): add suffix "-F" to the standard part number: *Example: TK-TT 200-3Y208-F*. Not available for 3Y600; 3Y480; 3Y415; 3Y380, 240NN, 380NN and 480NN models.

### EMI / RFI FILTER ATTENUATION – MIL STANDARD 220B

Frequency	Attenuation
1kHz	1 dB
10kHz	14 dB
100kHz	35 dB
1MHz	18 dB
10MHz	3 dB
100MHz	2 dB
Max. Attenuation Frequency	57 dB @ 153 kHz



