

SYSTEM FEATURES



- Slimline design ensures minimum lead-length for maximum performance
- Fail-Safe Design
- Component Level Fusing (CLF), individually fused MOV's for added safety
- Single pulse tested at independent 3rd party nationally recognized lab
- Form C dry relay contacts
- Audible alarm with silence button
- Hybrid suppression technologies – MOV and all mode Enhanced Transient Filter (ETF)
- UL 1283 Tracking Filter
- Compact Footprint – Makes installation flexible while insuring peak performance
- 30-Year Unlimited Free Replacement Warranty

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 80kA per phase; 40kA per mode

Application: ANSI/IEEE C62.41 Location A, B & C. Ideal for flush mount in-wall and adjacent panelboards

Design: Fusing for safety and hybrid suppression design provides lowest let-through voltage protection for mission critical loads

Warranty: 30-Year Unlimited Free Replacement

Safety Listing: UL 1449 3rd Ed., Type 1 for Type 1 & Type 2 locations and UL 1283

ELECTRICAL SPECIFICATIONS

Mode of Protection: All Mode. 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 & one service LED); Form C dry contacts for suppressor status; Audible alarm with silence button

Short Circuit Current Rating: 200 kAIC short circuit current rating. Component Level fusing (CLF) allows direct bus connection without the need for upstream over-current protection.

MECHANICAL SPECIFICATIONS

Dimensions (approx.): 10.2”H x 4”W x 4”D

Enclosure: Compact NEMA 1 steel enclosure allows cable entry from top or one side for flexible mounting to virtually any panelboard or disconnect application

Connection: Pre-wired 24” #10 AWG strand copper conductor

Mounting: Mounting feet top and bottom.

Optional flush-mount cover plate available.

Operating Environment: -40° C to 60° C (-40° F to 160° F),

5% to 95% non-condensing humidity

Weight: 12 lbs. (5.4 kg)

AVAILABLE CONFIGURATIONS

Model Number	Description
TK-LP080-1S240-L	120/240VAC, 1ø SPLIT-Phase, 3-wire + grd
TK-LP080-3Y208-L	120/208VAC, 3ø WYE, 4-wire + grd
TK-LP080-3Y480-L	277/480VAC, 3ø WYE, 4-wire + grd
TK-LP080-3D240-L	120/240VAC, 3ø high-leg DELTA, 4-wire + grd (B phase must be 208V)

AVAILABLE OPTIONS

- Enhanced Transient Filter: add suffix “-F”
Example: TK-LP080-3Y208-FL
- LP-FMP Flush-Mount Plate Kit
(order as a separate item)

EMI / RFI FILTER ATTENUATION – MIL STANDARD 220B

Frequency	Attenuation
1kHz	1 dB
10kHz	14 dB
100kHz	42 dB
1MHz	22 dB
10MHz	6 dB
100MHz	2 dB
Max. Attenuation Frequency	57 dB @ 142 kHz

FREE REPLACEMENT



