

EP-2050 RESIDENTIAL PROTECTION



The **EP-2050** is an industrial electrical surge and noise filtration system adapted for the residential marketplace. The **EP-2050** eliminates detrimental power disturbances that permeate the residential electrical distribution system. The compact unit provides automatic protection for industrial, residential and marine electrical distribution systems.

THE EP-2050:

ABSORBS, DISSIPATES & REMOVES

- Transient voltage surges and spikes
- Frequency Noise Between 3kHz-1MHz
- Ring waves

DOES NOT SHUNT ENERGY TO GROUND.

The facility ground is not relied on for performance or survivability.

EP-2050 GENERAL SPECIFICATIONS

OPERATING FREQUENCY

45 - 65 Hz

FREQUENCY ATTENUATION

-20 dB/decade roll-off starting at 2.5 kHz

MAX SURGE CURRENT

12.5 kA per mode

MCOV

20% above rated voltage

SAFETY APPROVALS

Circuit build to meet safety standards: UL 1449 3rd Edition
CSA Standards Class 9091 01 & 9091 81; CSA std. c22.2 No. 8-M1986

SAFETY RATINGS

Fire Rating 94V-0

OPERATING ENVIRONMENT

Approximately -25° C to 65° C

RESPONSE TIME

Primary Response Time: Instantaneous

Key Event Time: Approx. 1 Nanosecond

COMPLIANCE

NEMA LS-1, NEC Surge Suppression Standards, Electrical Notice 516

CONNECTION

Wire leads. Size: 14 AWG Length: 3'

MATERIALS

Aluminum Housing, LED Indicator Lamps, 14 AWG 600 V rated Wire.
Circuit encapsulated in epoxy to retain integrity of circuitry in failure mode.

ACCESSORIES

Amber LED indicates active phase

DIMENSIONS & WEIGHT

100-127 V Units: Diameter: 3" Depth: 2.5" Weight: 1.5 lbs. Compact for easy installation.

200-250 V Units: Diameter: 4.34" Depth: 3.35" Weight: 3 lbs. Compact for easy installation.