

EP-2050EE RESIDENTIAL PROTECTION



The **EP-2050EE**, a complete Home Protection, is an industrial electrical surge and noise filtration system adapted for the residential marketplace. The **EP-2050EE**, SPD+Noise filter, widely accepted by audiophile market, designed to protect expensive and sensitive electrical loads in the residential electrical distribution system up to 400A load panels.

THE EP-2050EE:

ABSORBS, DISSIPATES & REMOVES

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

DOES NOT SHUNT ENERGY TO GROUND. The case ground is used to burn off the noise in the system. Uses self healing Thermal MOV's along with patented tank circuit to dissipate the the residual ringing noise from the MOV circuitry.

EP-2050EE 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

UL 1449 4th Edition Type 2 & Type 3 SPD

CSA std. c22.2 No. 8-2013 Ed 5

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

Diameter: 4.34" Depth: 3.35" Weight: 3 lbs. Compact for easy installation.

EP-2050EE PRODUCT ORDERING GUIDELINES				
MODEL NUMBER				
EP	2	0	5	0 EE 1S240
	Series		Voltage Configuration ID#	
VOLTAGE CONFIGURATIONS				
SYSTEM VOLTAGE	PROTECT MODE	VPR	SYSTEM CONFIGURATION	VOLTAGE ID#
Single Phase 100/200	L-N	400	3 Wire + G	1S200
Single Phase 120/240	L-N	400	3 Wire + G	1S240