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.

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**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

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**EP-2050 RESIDENTIAL PROTECTION**

**DIMENSIONS & WEIGHT**

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>Diameter</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-127 V</td>
<td>3”</td>
<td>2.5”</td>
<td>1.5 lbs</td>
</tr>
<tr>
<td>200-250 V</td>
<td>4.34”</td>
<td>3.35”</td>
<td>3 lbs</td>
</tr>
</tbody>
</table>

Compact for easy installation.