Leviton’s Type 1 Surge Arresters offer power users a way to reliably and economically help protect against lightning strikes entering into electrical equipment such as farming irrigation systems and pumps used in oil/petrochemical applications. They can also be used to protect against external transient surges entering through a home’s service entrance. These devices offer a quick, cost effective turnkey solution to the problem of transient voltage surges causing malfunctions in pumps and motor appliance systems.

Features and Benefits

- Use of a single, large 40 mm MOV per line (each phase-to-neutral) provides a higher energy capacity than multiple small MOV configurations where the protection is only as good as the weakest MOV in the chain
- Surge Arrester performance tested to ANSI/IEEE C62.11 (10,000 AMPS/4x10 μS), C62.41 and C62.45 Category C standards (NEC Article 285) and Meets UL 1449 3rd Ed. Type 1 Device, listed ETL
- May also be used in a Type 2 application (NEC Article 285.23)
- Rated for 50kA maximum surge current
- Nominal clamping voltage per line: 800V pK at 120V nominal; 1100V pK at 480V nominal

- Real-time Diagnostic LED’s monitor power and suppression status for each phase:
  - Green LED illuminated indicates surge protection is active
  - Green LED off indicates surge protection is compromised
  - When fault occurs (Red LED illuminates and Audible Alarm active) replace unit
- Rugged housing constructed of high-impact, non-conductive fiberglass-reinforced polycarbonate rated for outdoor use
- Provided with 10 AWG stranded, 18 in. long pigtail leads
- Limited Lifetime Product Warranty
- Connected equipment coverage up to $10,000
### Specifications

#### Material Specification
- **Enclosure**: Polycarbonate with UV inhibitors

#### Mechanical Specifications
- **Enclosure Type**: NEMA 3R
- **Connection Type**: Parallel Connection: Hardwired via 10AWG wire
- **Diagnostics**: Protection Status LEDs & Audible Alarm

#### Performance Data

<table>
<thead>
<tr>
<th>Leviton Cat. No.</th>
<th>55240-ASA &amp; 55208-ASA</th>
<th>55480-ASA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Continuous Operating Voltage (MCOV)</strong></td>
<td>150V</td>
<td>3200V</td>
</tr>
<tr>
<td><strong>Nominal Discharge Rating (I-n)</strong></td>
<td>20kA</td>
<td>20kA</td>
</tr>
<tr>
<td><strong>Max Surge Current</strong></td>
<td>50kA</td>
<td>50kA</td>
</tr>
<tr>
<td><strong>Voltage Protection Rating (VPR) (Clamping) L-N/L-L</strong></td>
<td>600V/800V</td>
<td>800V/700V</td>
</tr>
</tbody>
</table>

### Electrical Specifications

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>55240-ASA</th>
<th>55208-ASA</th>
<th>55480-ASA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>120/240V Single Phase</td>
<td>120/208V 3Ø WYE, 240V 3Ø Delta</td>
<td>277/480V 3Ø WYE, 480V 3Ø Delta</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>50/60Hz</td>
<td>50/60Hz</td>
<td>50/60Hz</td>
</tr>
<tr>
<td><strong>Surge Technology</strong></td>
<td>TPMOV</td>
<td>TPMOV</td>
<td>TPMOV</td>
</tr>
</tbody>
</table>

### Environmental Specifications
- **Flammability**: Rated V-2 per UL 94
- **Operating**: -10°C to 60°C
- **Storage Temperature**: -20°C to 85°C

### Standards & Certifications
- **ETL Certified**
- **UL 1449 3rd Ed. Type 1 Device**
- **National Electric Code (NEC)**: 285
- **ANSI/IEEE Category C**: C-62.11, C-62.41 & C-62.45

### Ordering Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Phase 120/240V Type 1 Surge Arrester</td>
<td>55240-ASA</td>
</tr>
<tr>
<td>3Ø 120/208V WYE or 3Ø 240V Delta Type 1 Surge Arrester</td>
<td>55208-ASA</td>
</tr>
<tr>
<td>3Ø 277/480V WYE or 3Ø 480V Delta Type 1 Surge Arrester</td>
<td>55480-ASA</td>
</tr>
</tbody>
</table>

### Dimensions

- **Width**: 18.00" (457.2mm)
- **Height**: 3.13" (79.4mm)
- **Depth**: 3.13" (79.4mm)