



## Features

- 120 VAC
- 10KA Short Circuit Current Rating
- ANSI/UL Listed 1449 4th Edition, Type 2
- CSA C22.2 No. 269.2-17 2nd edition, Type 2
- Acerbox ELOCK Circuit Lockout Kit included per NFPA 72 2013 10.6.5.2
- Surface or conduit mounting
- Diagnostic indicator light
- Self restoring
- 3 Wire device (18" length)

An ideal choice for your 120VAC applications, the E120V-GT maintains system integrity and protects against transients introduced into electrical lines via poor atmospheric and utility conditions as well as internally generated inductive loads.

Not only is the E-120V-GT robust enough to absorb a spike, but to also clamp long enough to trip the branch circuit breaker and still be functional for additional surges. Reduce downtime associated with power surges and lightning strikes, prevent interruption of recurring monthly revenue based systems, and eliminate non-billable service calls and expensive repairs by protecting your equipment with this invaluable device.

## Applications

- Fire alarm control panels
- Mass notification systems
- Dedicated branch circuits
- Amplifiers, motors, pumps, and power boosters

## Specifications

All 120 VAC equipment will have Transient Voltage Surge Suppression (TVSS) protection manufactured by Space Age Electronics, Inc., part number E120V-GT. The unit shall be ANSI/UL listed to standard 1449, 4th edition and will be labeled clearly with indelible ink. Can be attached via the 3/4" rigid coupling, or surface mounted via the 2 external mounting holes. The unit shall have thermal fuses to protect against fire in short circuit conditions and will have 18" long, 14 gauge wires (3x) with a green ground wire. The enclosure will be a non dielectric material UL94 QMFZ2/8 grade material providing UV protection. The unit shall provide visual indication (LED) that unit is protecting and functioning.



## Performance Specifications

**Short Circuit Current Rating (SCCR):** 10kA  
**Enclosure Material:** UL94 QMFZ2/8 (green)  
**VPR=700 (L-N) 700 (L-G) 600 (N-G) Capacitance:** < 2,000 pf  
**Clamping Response Time:** < 5 nanoseconds  
**Current:** Non-Load Bearing  
**Max Operating Voltage (MCOV):** 140VAC, 50/60 Hz  
**Design:** Thermally Fused Hybrid  
**Operation Indicators:** LED  
**Max Surge Current:** 25kA  
**Energy Dissipation:** 500J  
**Clamping Voltage:** 230V RMS

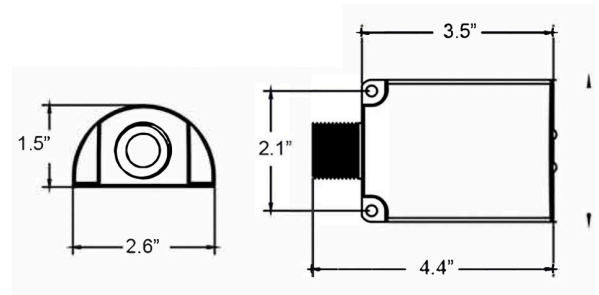
## Operating Specifications

**Service Voltage:** 120VAC Single Phase  
**Circuits Protected:** L-N L-G N-G  
**Connection Type:** Hardwired  
**Installation Configuration:** Parallel

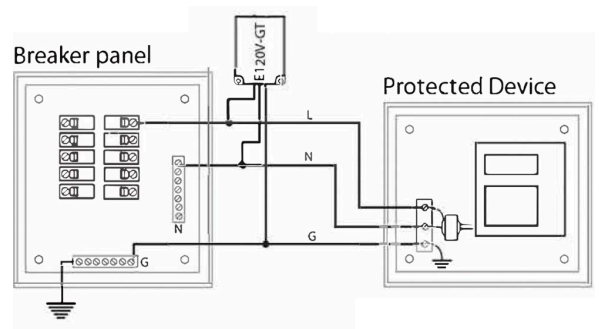
## Compliance Specifications

**UL Listed:** 1449 4th Edition - VZCA  
**File Number:** E319370 Vol. 1 Sec. 1

## Dimensions



## Wiring Diagram



## Ordering Information

**P/N# E120V-GT**  
120V Hybrid Surge Protection Device

**P/N# ELOCK-FA**  
Acerbox ELOCK Circuit Lockout Kit