

Did You Know?

Power surges can enter your home on electric, cable and telephone lines, and can originate from electrical devices within the home or office.

That is why a meter socket surge protector cannot do everything, and why you should protect phone lines and electric lines coming into your computer.

No protection available will protect electronics from a direct, catastrophic lightning strike.

Electrical Protection Devices

Products to keep your electronics
and electrical equipment safe



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Devices for

Electrical Protection

Surprise Valley Electrification Corp. offers a variety of products to protect your valuable electronics and electrical equipment. All devices can be bought at our Alturas office and delivered to outlying areas.

Is Surge Protection Necessary?

As the technology of electronic devices advances, so does the need to protect them from power surges.

With all the microprocessors that drive modern appliances, computers and home entertainment systems, proper use of surge suppressors can save you the expense of replacing damaged equipment.

Digital devices have thousands of tiny on and off switches that continuously send and receive information during normal operation. A shift in the smooth supply of electricity can disrupt this flow of information and cause a malfunction. A power surge usually lasts only a fraction of a second, but the excessive voltage is enough to destroy circuitry inside sensitive electronics.

Flickering lights and blinking computers are sure signs of power fluctuations during a storm. A direct lightning strike will send up to 200,000 amps coursing through a power line—enough to burn up standard 20-amp electronics. But most surges are less dramatic and occur without a homeowner's knowledge. These surges result from sudden changes in electricity caused by anything from a downed power line to the cycling energy use of a hair dryer.

Transient surges can produce instantaneous results, such as a crashed computer. Often the damage goes undetected, only to surface later.

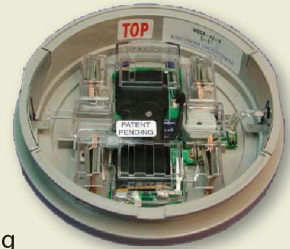
Homeowners can protect their electronics with surge suppressors. As the term implies, these devices suppress an erratic power supply by diverting excess voltage to a ground wire.

Suppressors come in a multitude of applications—from single-plug wall units to rack-mounted, home-entertainment system protection.

Suppressors will not protect a home from a direct lightning strike.

Meter Socket Surge

Provides your first line of defense for single-phase installations, including residences, from surges entering on power lines.



- Diverts the surge to the ground at the meter.
- For best protection, use plug strip surge protectors in conjunction with the meter socket surge protector.
- \$150 plus tax, including installation by SVE at no charge to members.

Plug Strip Surge Protector

Protects connected electronic devices from surges entering and originating within the home or office, as well as surges entering on phone lines.



- For best protection, use in conjunction with a meter socket surge protector.
- The strip provides several protected outlets and phone jacks.
- \$46 plus tax.

Pest-A-Cator Roach and Rodent Repeller

Electromagnetic technology works through a building's wiring to drive pests from within the walls, ceilings and floors.



- Uses no chemicals or poisons.
- \$23 plus tax.