



CLEANPOWER
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SURGE PROTECTION

INNOVATIVE, EFFICIENT, SIMPLE AND UNIQUE.



Clean-Volt products were developed by Ken McIntyre and Frank Hack. As Mr. Hack is a Master Electrician and Power Lineman, his experience furthered the development of a new type of protection for the low voltage electrical networks. According to Mr. Hack, the low voltage protection on the market was inadequate mainly because of slow reaction times and rapid deterioration.

Efficient protection against overvoltage must react quickly. If it doesn't, only a portion of the surge will be captured and the rest will enter the electrical system.

First, it is important to know that **Clean-Volt has passed rigorous testing in real-life scenarios to prove its effectiveness.** The speed of the products response was tested with standard six-inch wires, and responded with less than a nanosecond of delay. The speed is due to a surprisingly simple design.

The simplicity of the design allowed the Clean-Volt technology to respond without the use of metal oxide, diodes, circuit boards, lights, etc. In addition, it served as a "fail safe" to the system in the case of a catastrophic event. Due to our patented technology, this is why Clean-Volt was approved without internal fusing or electronic circuits.

Clean-Volt is connected to the Main Electrical Panel and protects all equipment connected thereafter.

This device eliminates electrical irregularities and optimizes the operation of sensitive equipment such as:

- > Computers
- > Servers
- > LED Lighting
- > VFD's
- > Motors
- > Compressors and/or
- > Home Automation Systems.

Typically, electrical protection against overvoltage is separated into three Types by Underwriter Laboratories (UL). **Clean-Volt is a Type 1, Secondary Surge Arrester. To get this certification, a product must continue to function after eight simulated lightning strikes in a 20 microsecond period without fusing.** The UL accredited lab selects strikes of 10,000, 20,000, or 30,000 instantaneous amps, while maintaining a specified voltage.

Clean-Volt also helps to reduce the amount of electrical and electronic waste in the environment. **Clean-Volt is guaranteed for life without breakdown or wear.** Should no catastrophic event occur, your Clean-Volt equipment could last up to 100 years!

Made in Canada, we stand by the effectiveness and unmatched performance of our product.



Clean-Volt has received approvals for safety and performance, required by the UL and CSA, for any protection against electrical surges.



In the case of Clean-Volt, the test was performed at the highest amperage range (30,000 amps). Our patented technology can dissipate 5 times more heat than any Metal Oxide Varistor.

In addition, Clean-Volt has a unique protective property which is capable of triggering the main entry breaker of a building during a major electrical event. This allows the building to be disconnected from the Electrical Grid to avoid damage to the electrical equipment.

This product is also the only Type 1 surge product which has the ability to detect surges at 10% over the recommended voltage.

Whether for industrial, commercial, agricultural or residential installations, Clean-Volt comes with a Lifetime Guarantee.