

# TECH NOTE

From Zero Surge Inc.

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## Surge Protection For Older Homes and Ungrounded Outlets



Typical surge suppressors contain metal oxide varistors (MOVs) and are designed to shunt surge energy to the ground line. Using them in an ungrounded environment can be very dangerous. Manufacturers of shunt mode products specify that the ground is required and warn against using them in an ungrounded environment.

Zero Surge's non-MOV products do not rely on the ground circuit for effective surge protection. They can protect equipment that use ungrounded outlets, and the Zero Surge unit's performance will not be diminished in any way. Protection from even worst case surges of 6,000 Volts/3,000 Amps will be provided, repeatedly, without degradation or failure.

Of course, the grounding inside a home or building is important mainly for your personal safety. If there is any question about the electrical ground at the service entrance, it is very important that it be checked by a licensed electrician. According to the National Electric Code (NEC), an earth ground reference is required at the building entrance for any new construction.



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