

Re: Lightning and computer?

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- *From:* w_tom <w_tom1@xxxxxxxxxxxx>
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A UPS adjacent to that ten foot earth ground rod would provide effective protection. Building wide UPSes typically includes the 'whole house' protector. Protection not found inside plug-in protectors. Somehow, these plug-in manufacturers want you to believe that \$100 item does what a \$5000 item does.

As any electrical engineer knows – wire impedance means effective protector must make a short (ie 'less than 10 foot') connection to the good earth ground. Real (building wide) UPSes include such protection due to that short earthing connection. The plug-in UPS does not even claim to provide such protection.

Leythos wrote:

- > My house was built in 1972, it has a very nice, long, copper rod about 9"
 - > from the wall of the house, driven into the earth, that rod connects to
 - > the power panel earth ground bar, and that connection also connects to
 - > incoming shields for Cable TV. As for the phones, they connect to a small
 - > UPS at the incoming point to the house, which then go through the UPS to
 - > the rest of the house.
 - >
 - > Now, I've seen your posts in other threads, at least I think it was you,
 - > but I'm going to say, as an electrical engineer, as a person working with
 - > sensitive electronic parts and circuits, as a person with 20+ computers in
 - > their home, that a simple UPS does indeed protect the hardware attached to
 - > it, I've seen it protect my systems/devices while my neighbors were not
 - > protected.
 - >
 - > You can spout theory all you want, spout document after document, but you
 - > can't disprove real-life experiences that indicate you are wrong about the
 - > merits of a quality UPS in an environment with a quality earth ground
 - > inside the home. Every home in our neighborhood has the same power system,
 - > same wiring methods, and many experience outages, dips, surges, even
 - > lightning issues. While I've talked with neighbors that have lost devices
 - > during a storm, only the ones that didn't have a UPS lost devices, the
 - > ones that had a UPS during the same period, didn't lose any devices.
- .

- **Follow-Ups:**
 - ◆ **Re: Lightning and computer?**
 - ◇ *From:* Galen

- **References:**
 - ◆ **Lightning and computer?**
 - ◇ *From:* Susan
 - ◆ **Re: Lightning and computer?**
 - ◇ *From:* w_tom

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