Commonly we associate power surges with dangerous lightning strikes and utility problems, however, did you realize that your backup power could be a detrimental source when it comes to power interruptions?

Emergency generators are often used to back up a facility in case of a power outage. When the utility power goes off the generator will automatically turn on and during that transition a power surge is likely to occur. If down line electronic equipment is not protected with a surge protective device (SPD) the equipment can be damaged or degraded.

Emergency generators are often tested at facilities on a monthly or quarterly basis as a part of preventive maintenance programs. Under certain circumstances copy machines, computers, routers, or other sensitive electronic equipment may not function following the test as they were damaged due to a power surge.

The best way to protect from this type of electronic equipment damage is with the addition of a surge protective device mounted to the service equipment closest to the backup generator.

The 42000 series surge protective panels from Leviton are recommended for this type of protection.

The 42000 series is a hybrid device incorporating a high level of surge protection (80,000A per mode) coordinated with a broad band noise filter to eliminate the noise spikes experienced during the transition for utility power to back up generator power.

Leviton's 42000 series surge protective devices are ideal for protection of electronic equipment from both internal and external generated surges. The units are ideal for the protection of power surges related to the transfer of utility power to generator following a power outage or just the testing performed to simulate a power outage.

**42000 Series At A Glance:**
- Incorporates enhanced noise filtering and sine wave tracking for superior protection
- Three-phase models can be wired for either WYE or Delta AC systems
- Equipped with indicator lights and audible alarm for monitoring power and surge suppression status
- NEMA Type 3R enclosure for indoor/outdoor applications
- Optional flush mount collar available (42001-FMC)
- Limited lifetime product warranty

To learn more about the 42000 series of surge protective panels as well as other surge protective devices from Leviton please visit www.leviton.com/surge.