

## Solid state primary surge protector prevents surge damage



ITW Linx announces the launch of its SurgeGate™ CAT6-LAN solid state primary surge protector. The technology features patented circuitry allowing the protector to provide a response time to capacitance ratio superior to any product available on the market today, according to the company. The SurgeGate CAT6-LAN is also the only warranty-backed product currently available that is UL 497 listed and tested to TIA (Telecommunications Industry Association) standards- providing the greatest possible protection against expensive downtime and equipment damage.

The SurgeGate CAT6-LAN protects networked buildings and the equipment within them from the dangers of lightning surges and power crosses- the most common cause of surge damage. Lightning strikes even a few miles from a building can generate a surge which travels through aerial or buried cable to the sensitive electronic equipment. The SurgeGate CAT6-LAN protects equipment in a diverse range of networked buildings including: campuses (educational facilities, hospitals, office parks), data transaction centers (retail stores, banks, commercial buildings), and parks and recreational facilities (amusement parks, movie theaters, restaurants).

Lightning travels at speeds of up to 224,000 miles per hour or 3,700 miles per second. To prevent lightning provoked surges from damaging equipment, solid state protectors are far superior to gas tube technology in stopping these surges in that they have response times up to 1000 times faster than gas tube technology. Whereas the SurgeGate CAT6-LAN can stop a lightning surge in as little as 2 to 5 nanoseconds, equivalent gas tube technology can take as much as 4,000 to 5,000 nanoseconds. This makes it far more likely that gas tube technology will not respond quickly enough to avoid surge damage.

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An additional advantage of solid state protectors like the SurgeGate CAT6-LAN is that their solid state circuitry has no moving parts and generates no additional heat whereas gas tube technologies require ionization chambers that generates heat up to 400°F and increases the risk of fire.

The traditional advantage of gas tube technology, its lower capacitance level for greater ease of data transmission, is closely mirrored in the new solid state SurgeGate CAT6-LAN. The technology's patented design features special circuitry allowing for a typical capacitance of 6 to 8nF- very close to the 2 to 5nF provided by gas tube technology and significantly superior to the 1700nF provided by traditional solid state protectors.

The SurgeGate CAT6-LAN protector is the only warranty-protected CAT6 protector in the industry that has UL 497 certification and is tested to TIA standards giving end users greater piece of mind with industry-leading protection certification. ITW Linx is the only company in the industry to offer a connected equipment warranty of up to \$50,000 for any damage to equipment properly protected by SurgeGate CAT6-LAN technology.

The SurgeGate CAT6-LAN also allows for easy installation and contains all hardware necessary for proper initial grounding installation. Pricing for the SurgeGate CAT6-LAN is dependent upon size and quantity ordered and is approximately \$59 per unit in production volumes. Production lead times range from four to six weeks.

### **ITW Linx**

1-800-336-5469

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