

TECH NOTE

From Zero Surge Inc.

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Kiosk Protection



**Self-Service • Point-of-Information • Product Promotion
Ticketing • Service or Transaction • Internet Commerce
Product Dispensing**

Kiosks come in different sizes and fulfill a variety of purposes but they have at least one thing in common — they contain sensitive electronics that should be protected from damaging power line noise and electrical surges. A typical kiosk has a computer and a touch monitor and often a printer and credit card reader. Small surges can degrade this equipment over time shortening its life expectancy while larger surges can cause immediate catastrophic damage.

Kiosks are usually located in buildings where the power quality is affected by other equipment in the environment cycling on and off (i.e., elevators, coffee machines, kitchen equipment, and even lighting). The intermittent use of the kiosk itself is problematic due to the in-rush current that occurs every time it wakes up from sleep mode. When kiosks suffer surge damage and become inoperable, users are inconvenienced, business can be lost, and a service call is required to remedy the problem. Choosing the proper surge protection, however, improves a kiosk's reliability and increases its longevity, even in the harshest power environments and conditions.

Zero Surge's failure-free surge protection solution is available in a variety of form factors to fit kiosk applications. For example, an airline kiosk manufacturer specified Zero Surge's 15 Amp OEM open module into its design, whereas a currency kiosk manufacturer requiring aftermarket protection opted to mount the 2R15W plug-in model inside the machine's cabinetry. Other options include branch circuit protection housed in NEMA 1 steel or NEMA 4 weather-tight enclosures for hard-wired applications.



Zero Surge Inc. • 889 State Route 12 • Frenchtown, NJ 08825 • 908-996-7700

www.ZeroSurge.com • info@ZeroSurge.com