

Inquiry for surge-protected communication power cabinets for hospitals



Overview

The following narrative reviews NEC requirements for backup power systems and describes how surge protective devices (SPDs) can be applied to mitigate potential damages to equipment from transient overvoltages. Let's Chat! Medical-grade surge protectors deliver vital power for use in hospitals, clinics, group practices, private practices, laboratory, or other medical facilities. This ensures safety when strips are mounted on Locking Pole Mount Clamp. Compatible with Tripp Lite Medical-Grade Power Strips. UL certifications are shown; additional certifications vary. The National Fire Protection Association (NFPA) documents that apply to health care facilities include (1) the National Electric Code (NFPA 70), (2) the Standard for Health Care Facilities (NFPA 99), (3) the Life Safety Code (NFPA 101), (4) and the Standard for Emergency and Standby Power Systems. The 2018 Edition of NFPA 79 (Electrical Standard for Industrial Machinery) specifies the use of surge protective devices (SPD) for machines with safety circuits in Article 7. The SPD may be integral to or adjacent to the electrical service. Additionally, an SPD is required for fire pump controller to provide the necessary protection. A study commissioned by the Fire Protection Research Foundation found that SPDs protect against.

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TPS3 Design Guide

All that is required to effectively surge protect your facility is to answer the following questions: Where should hard wired SPDs be installed on the electrical system? What size and type SPD should be ...

[A8 Advisory Guide Electrical Guide for Health Care Facilities](#)

Hospital buildings are very complex structures with unique building systems, including essential electrical sources, and distribution as well as specialized low voltage systems such as nurse call, ...



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[Surge protection for hospitals.](#)

The electronic systems in hospitals must be protected against lightning strikes. We show you concepts for surge protection.



[WP-50014 SPDs in healthcare facilities](#)

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[NFPA 79 and NEC Code requirements for surge protective devices](#)

The following table provides recommended surge protection, depending on the transient environment for the power conductors in safety circuit applications per the new 2018 NFPA 79 requirements.



[NEC code requirements for surge protection](#)

409.70 "Safety circuits for personnel protection that are subject to damage from surge events shall have surge protection installed within or immediately adjacent to the control panel."



[Compliance Guide For Healthcare](#)

Governing bodies that monitor electrical power inside healthcare facilities base their regulations on Article 517 of NFPA 70, NFPA 99 and NFPA 101. Healthcare Power Outlet Strips are designed and ...



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