

## Surge protection



# NEC surge protection requirement for emergency power systems

New requirement within the 2014 National Electrical Code® (NEC®): Code change NEC 700.8—Surge protection required for emergency power panels

The 2014 National Electrical Code, Article 700.8, states: "A listed surge protection device (SPD) shall be installed in or on all emergency systems switchboards and panelboards."

The change requires surge protection to be installed on all emergency electrical equipment to improve the reliability of emergency power systems. The NEC defines emergency power systems as systems legally required to automatically supply power to designated loads upon loss of normal power. Protection of emergency systems is achieved by installing surge protection on panelboards, switchboards and other critical equipment.

### Typical applications

Article 700.8 requires surge protection to ensure reliability of critical emergency systems such as:

- Medical care facilities
- Emergency lighting panels
- Emergency communication systems
- Fire control systems
- Elevators used for evacuation
- All other emergency panels, circuits and equipment

### Recommended solutions

Eaton's complete line of Innovative Technology® (IT) surge protection products provide superior performance against surge activity. IT products ensure your electrical panels with emergency circuits are not only code compliant, but protected from all possible surge events too.

Code-compliant IT products can also be coordinated as part of a larger system shield, protecting your entire facility. They're known as the most robust and reliable products on the market and carry some of the longest warranties in the industry.



Healthcare



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Data centers



Commercial



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