



## Keep your business moving with Zap Cap Systems® surge protection

Minimize downtime, reduce maintenance costs and extend the life of your equipment. Zap Cap Systems protects electro-mechanical and motor-driven equipment against transient voltage surges carried by power lines to your facility.

Your customized system includes main panel surge protection with a response time of less than 5 nanoseconds. A device can be installed at the breaker panel to lower the risk of equipment damage that may be caused from internally-generated transient surges or noise, as well as voltage that may get through from the main panel protector.

The full-service program includes your customized surge suppression system, installation and maintenance.

Call Tampa Electric and find out more with a free on-site evaluation of your surge protection needs.

**[TampaElectric.com/ZapCap](http://TampaElectric.com/ZapCap) | (877) ZCAPBIZ**



# More about Zap Cap Systems

## Q What type of equipment does Zap Cap protect?

**A** Motor-driven equipment like conveyors, drinking fountains, refrigerators, lifts, pumps, motors and compressors, elevators and escalators, molding and milling machines. The system also protects other equipment like ATMs, security and fire alarm systems, telecommunications equipment, pool pumps, lighting systems, HVAC units, programmable machinery, and automated manufacturing systems. Additional surge protection devices may be required for certain sensitive equipment.



## Q Does the system improve power quality?

**A** If power quality at your business is inconsistent, it could be related to a number of causes - including high-voltage, low-voltage, no voltage, electrical noise, impulses, or a combination of things. Research shows that improper ground connections can also cause power quality issues. Zap Cap Systems works to protect equipment damage and subsequent failure due to a power surge. Contact a representative for a site evaluation to learn more.

## Q Is Zap Cap Systems an Uninterruptible Power Supply (UPS) package?

**A** No. A UPS package contains a battery that “kicks in” when the device senses a loss of power from the primary source. Zap Cap helps to shield your equipment from power surges that may trigger an equipment failure.

## Q What happens if the main panel device suffers an event or is damaged?

**A** Expended modules or damaged units are replaced at no cost to you.

## Q What does the Zap Cap system cost?

**A** The monthly charge starts at \$30 per unit and there is a one-time installation fee that varies, depending on your needs. All charges are conveniently added to your Tampa Electric bill.

## ADDITIONAL TECHNICAL SPECIFICATIONS

- The main panel surge protection device (SPD) is installed in a rugged, weather-resistant enclosure.
- Less than 5 nanoseconds response time.
- L-N and N-G for Wye service; L-G for Delta service protection.
- 150, 180, 320 and 550 volts (depending upon application).
- ETL listed to UL standard 1449, 3rd edition SPD.
- MST Series SPD is designed for commercial and industrial applications and provide 50kA of surge current handling per phase.
- Rating is five times the current handling of the IEEE's highest Category C location rating of 10kA/20kV.