

# SPD BENEFITS & MISCONCEPTIONS

## UNDERSTANDING OF SURGE PROTECTIVE DEVICES SURVEY

electrical **safety**  
FOUNDATION INTERNATIONAL

In 2024, the Electrical Safety Foundation International surveyed industrial and commercial facility professionals on the impact of voltage surges. These professionals provided insights regarding power surge incidences and effects, as well as usage of surge protective devices (SPD) in the facilities they manage.

## SPDs PREVENT DOWNTIME, PROTECT EQUIPMENT & SAVE MONEY



Over a third of respondents reported typical lengths of **over an hour** when downtime occurs **due to a surge**.



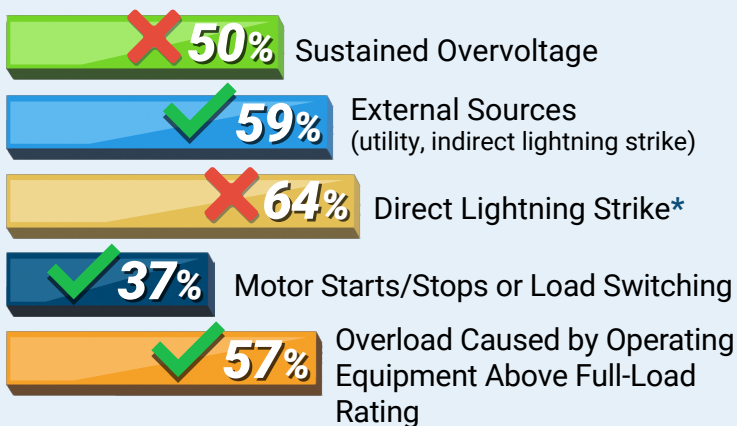
Surges aren't just harming old equipment. **67%** of devices damaged in surge events were **less than 5 years old**.



The **average cost** per hour of downtime to respondents' facilities is **\$6,398**. Just one downtime incident can be **more expensive** than installing an SPD.

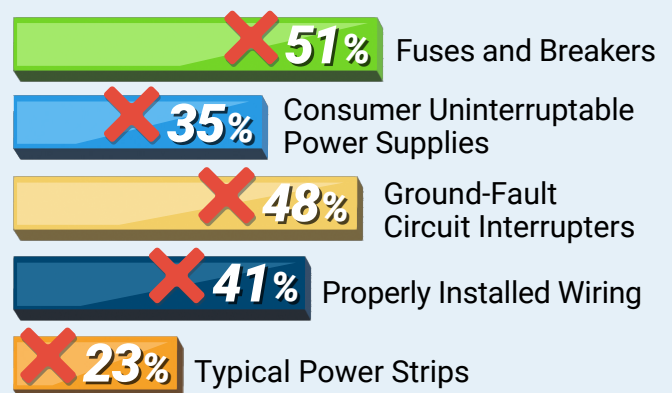
## SPDs & SURGE MISCONCEPTIONS

Facility professionals surveyed **ranked the types of electrical disturbances causing surges**.



\*SPDs can protect against **indirect lightning strikes**

Many **incorrectly assume** the following protect against voltage surges.



**SPDs protect against surges**



**37%** of surges are due to **"factors inside my facility"**, including **"electrical equipment turning on or off"**, **"faulty wiring and/or connections"**, and **"static electricity discharge"**.

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