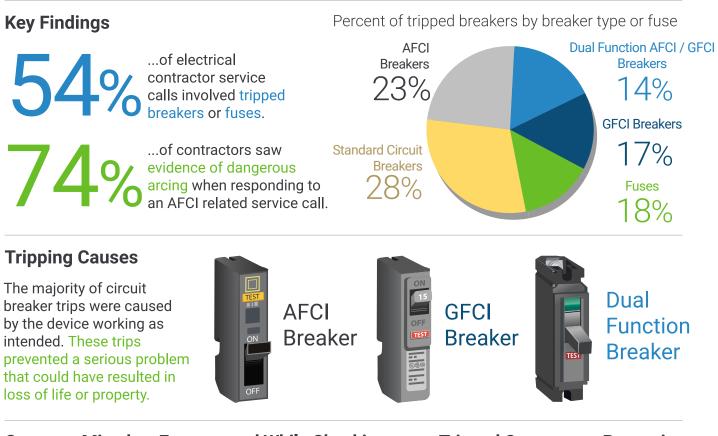
2024 ARC-FAULT CIRCUIT INTERRUPTER & GROUND-FAULT CIRCUIT INTERRUPTER PERFORMANCE SURVEY

In 2024, the Electrical Safety Foundation surveyed occupations with electrical contracting, electrical design, electrical engineering, and electrical planning to gain an understanding of the performance of safety devices required in the National Electrical Code. The survey was conducted in California with a focus on Arc-Fault Circuit Interrupters (AFCI) and Ground-Fault Circuit Interrupters (GFCI).



Common Mistakes Encountered While Checking up on Tripped Overcurrent Protection



Inadequate Circuit Protection

Only 56% of contractor service calls involved circuits with the correct type of protection installed.



Overloaded Circuits

electrical

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There is a need for additional circuits to prevent overloaded circuits.



Wiring Issues

Contractors frequently encountered low quality wires, poorly maintained wiring, and inadequate wiring.



Surge Protection

Contractors mentioned the need for surge protective devices to protect electronics.