



AFCI: Home Fire Prevention Technology

The Canadian Electrical Code requires the installation of arc-fault equipment in homes to mitigate safety risks and the potential of fires.

Visit EFC's Arc-Fault Circuit Interrupters (AFCIs) Information Portal. A site dedicated to providing consumers with an overview on Arc-Fault and the safety measures available to homeowners.

AFCIs Help Prevent Electrical Fires

As a homeowner, you have come to rely on modern technology and appliances for added comfort, convenience and energy/cost savings. While your new equipment offers plenty of benefits, it also puts increased demand on the electrical systems in your home, potentially causing serious safety risks such as arc-faults.

Arc-fault is a serious electrical issue that may result from damaged, overheated or stressed electrical wiring or devices. Arcing creates excessive heat that can easily ignite surrounding materials, such as wood framing or insulation, resulting in a potentially-hazardous fire.

Common causes of arc faults are:

- older wires that become frayed or cracked
- outlets and wires that are overloaded
- wires that are damaged or compromised (e.g. punctured by nails or screws, stapled tightly against wall studs; compressed/damaged during installation)
- the use of uncertified or counterfeit electrical products that do not meet qualified standards. (Always purchase certified electrical equipment from a licensed electrician/contractor, retailer).

How to Protect Your Home

You can safeguard the electrical systems at home from failure or malfunction by installing certified Arc-Fault Circuit Interrupters (AFCIs) throughout your home.

AFCI technology is incorporated into specific circuit breakers and receptacle outlets and should always be installed by a licensed electrician or electrical contractor.

How does an AFCI work? AFCI circuit breakers and receptacles detect potentially-hazardous arc-fault and quickly cut off power before a fire can start. The arc-fault protection extends beyond branch circuit wiring by safeguarding all cords that are plugged into the receptacles. AFCIs are designed to protect against both high current (parallel) and low current (series) arcing.

AFCI Circuit Breaker



AFCI Receptacle



Take Charge of Your Home's Safety!

Protect your home from potential fire risks with AFCI receptacles and circuit breakers with certified products that you can rely on. Speak to a licensed electrical contractor or electrician about the AFCI products available for your home.

Learn more about AFCI Technology, visit electrofed.com/products/afci/

