GE
Industrial Solutions

Easy as 1, 2, 3

AFCI made simple

Why choose GE's AFCI with shared neutral?

1
We made it "standard"

For retrofit projects:

- Install just like a standard circuit breaker.
- Swap the circuit breaker and wiring and you're all set!

2
We added flexibility.

- For new construction, one circuit breaker does it all.
- Use two one-pole circuit breakers with a handle tie for a simple two-pole solution
- UL approved shared neutral solution

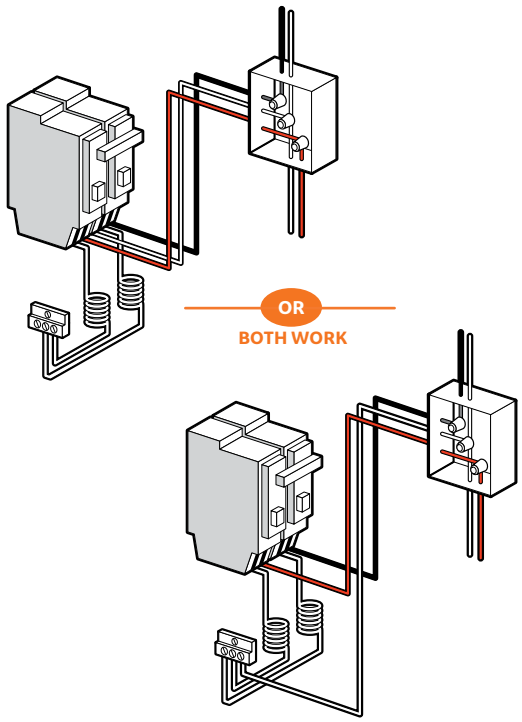
3
We made it easier!

- No mixed neutral runs to hunt down
- Easy-to-apply shared neutral solution
- Easier planning, more efficient installation and fewer customer callbacks

Look to GE's AFCI with shared neutral for all your retrofit and new installations.

The GE AFCI with shared neutral advantage

GE's AFCI enables shared neutrals. Ordinarily you would not be able to have just one neutral coming back to the circuit breaker for the AFCI to function properly. GE's AFCI has the ability to ignore the neutral. You can wire a multi-wire circuit or a shared neutral the same way you would wire a thermal magnetic breaker.

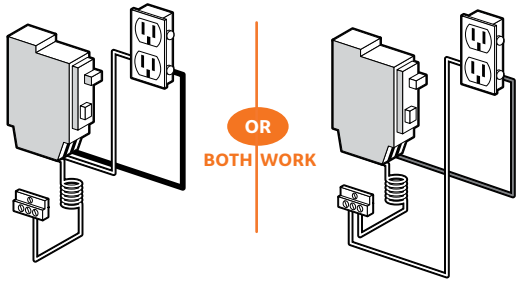


In retrofit applications, most AFCIs require a clean neutral return to the circuit breaker to prevent nuisance tripping. In these situations, there is a high probability that neutral wires are tied together throughout the house. Searching out all of these wire runs is both cumbersome and time-intensive.

GE's AFCI eliminates the need to search these out because it can tolerate mixed neutral situations. Just swap out the thermal magnetic breaker and wiring with the AFCI with shared neutral. Done!

The GE AFCI difference

GE's Patented Discrete Wavelet Transform Algorithm allows for accurate response to abnormalities in electric waveform caused by arcing conditions. This eliminates the need to wire back from the dedicated branch circuit to the load neutral on the circuit breaker.

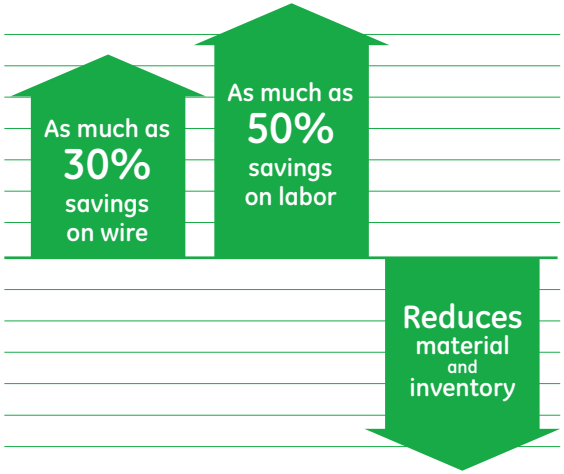


Unlike other brands, the neutral load lug on the GE AFCI breaker is there simply for your wiring convenience. For new construction you have the option to run the neutral wire back to the breaker or the ground bar. For retrofits it's a true time-saver. You don't have to track down the exact neutral wire that may be split or shared upstream– you can simply pull and replace.

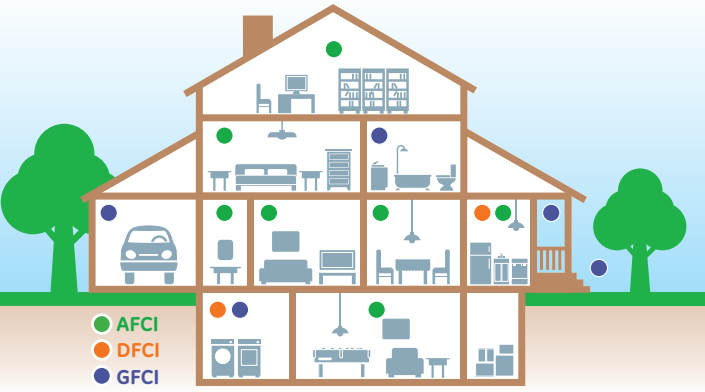
Cost saving opportunities

The design of the GE AFCI eliminates the need to stock and inventory multi-pole versions. A one-pole circuit breaker is all you need. Just use two one-pole circuit breakers tied together with a widely available handle tie for a simple, two-pole shared neutral solution.

Eliminating the need to hunt down mixed neutrals for retrofit applications can substantially reduce your labor costs.



AFCIs for residential installations



National Electrical Code (NEC) 2014 requires AFCI circuit protection in all dwelling areas of the home, which would typically include:

- Kitchen
- Family Room
- Dining Room
- Living Room
- Bedroom
- Sunroom
- Library
- Den
- Office
- Hallways
- Closets
- Rec Room
- Similar Areas

Find out more about our AFCI Solutions at: www.geindustrial.com/AFCIadvantage

GE
Industrial Solutions
41 Woodford Avenue
Plainville, CT 06062
1-800-431-7867
www.geindustrial.com

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