



Guide to AFCI Receptacles in the 2014 National Electrical Code®





hallways or similar rooms. They are also required in dormitory units.

- Tamper-Resistant
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Receptacle vs. Breaker

The table below highlights key features homeowners and electrical professionals should consider when selecting the most suitable way to provide arc-fault protection based upon the application within the home.

	Outlet Branch Circuit AFCI Receptacle	AFCI Breaker
Test and Reset	- Local TEST and RESET with buttons on face of receptacle	- Need to open circuit breaker panel and locate AFCI breaker for TEST and RESET
Parallel Arc Protection	 Provides parallel arc protection for branch circuit starting at AFCI receptacle Standard circuit breaker relied on for some degree of parallel arc protection of home run 	- Provides parallel arc protection for entire branch circuit
Series Arc Protection	- When installed as first outlet provides series arc protection for entire branch circuit	- Provides series arc protection for entire branch circuit
Universally Applicable	- Can be used on any wiring system regardless of panel	 AFCI breaker must match panel For some older panels there may not be an AFCI breaker that will match
Wiring Methods	 2011 code requires RMC, IMC, EMT, or steel sheath Type AC or MC cable for new circuits Effective 1/1/2014 limited length of "home run" allowed No special wiring for replacement receptacles - NEC section 406.4(D) 	- No special wiring methods required

The information provided in this guide is intended to give electrical professionals a snapshot of the new 2014 National Electrical Code as it relates to arc-fault protection within residences, and how the new OBC AFCI Receptacle offers a code compliant solution. For further information and details on the Leviton SmartlockPro® OBC AFCI Receptacle applications please contact your local Leviton Sales Representative or visit **leviton.com/afci**

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