

OBC AFCI Receptacle

# Reduce the risk of fires with code-compliant **AFCI Receptacles**



**EATON**

*Powering Business Worldwide*

# Reduce the risk of fires with code-compliant **AFCI Receptacles**

## Outlet Branch Circuit (OBC) AFCI receptacles can contribute to overall homeowner safety by monitoring the electrical circuits for the presence of dangerous arcing conditions.

The United States Fire Administration (USFA) has reported that in 2011, over 47,000 electrical fires occurred, causing more than \$1 billion in property damage, over 1,500 injuries, and over 400 deaths. Overwhelmingly, some type of electrical failure or malfunction was cited as a factor in contributing to the ignition.

### Understanding the code

#### What is an arc fault?

An arc fault is an unintended arc created by current flowing through an unplanned path and can create excessive heat that can easily ignite surrounding materials, such as wood framing or insulation.

#### What causes arc faults?

- Arcing in installed electrical wiring caused by physical damage
- Arcing in defective appliances or electronic devices
- Miswired or compromised electrical connections



Tight staple can pierce insulation



Inadvertent nails can puncture wire behind wall



Animals can chew through insulation



Electrical cords can be damaged under or behind furniture

### Meets NEC<sup>®</sup> requirements for arc fault circuit interrupter protection for:

- Replacement receptacles when installed as defined in 406.4(D)(4)
- Dwelling units when installed as defined in 210.12(A) and 210.12(B)
- Dormitory units when installed as defined in 210.12(C)



## Arc fault protection **NOW** in a receptacle!

The Eaton Outlet Branch Circuit **AFCI Receptacle** is designed to recognize an arc fault and quickly trip to stop the flow of electricity to prevent the electrical system from being an ignition source of a fire.



## AFCI receptacles are perfect for:



Commercial buildings



Hotels

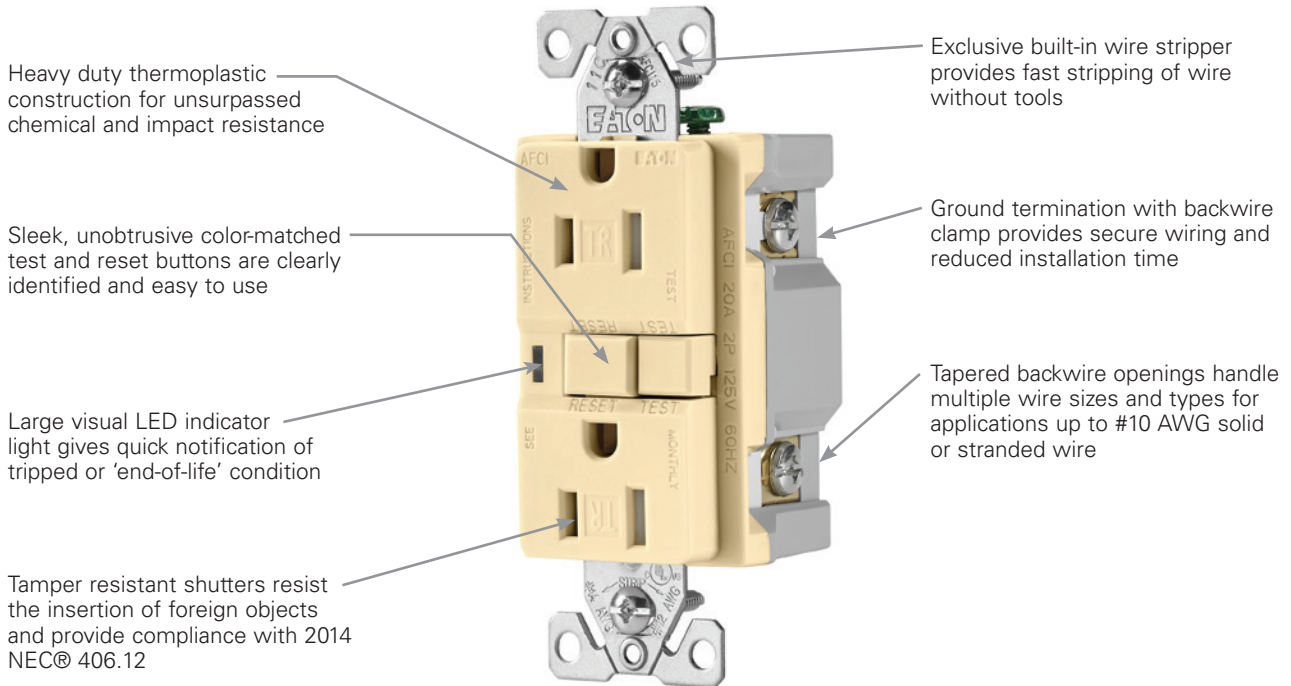


Dormitories



Residential renovation

## Tamper Resistant AFCI receptacle features & benefits



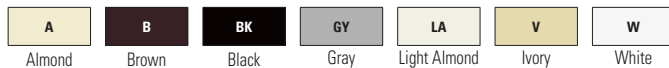
### TR AFCI Receptacles

Catalog No.	Description	Rating		Color Suffix
		Amps	V/AC	
□ TRAFCI15_	Tamper resistant AFCI duplex receptacle	15	125	A, B, BK, GY, LA, V, W
□ TRAFCI20_	Tamper resistant AFCI duplex receptacle	20	125	A, B, BK, GY, LA, V, W

Compliant with: cULus Listed to UL498, file no. E15058, NOM certified

### Color Ordering Information:

For ordering devices, include Catalog No. followed by the Color Suffix: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), V (Ivory), W (White)



**Testing & Code Compliance:** cULus Listed to UL1699A and UL498, File no. E341748. Meets all UL 1699A (AFCI) and UL498 (Receptacles) requirements and cULus to CEC part II and CSA C22.2 No. 12 CSA Tech info letter #M-02A.

**Material Characteristics:** Environmental: Flammability meets UL94 requirements, V2 rated. Temperature Rating: -35°C to 66°C (-31°F to 150.8° F)



TRAFCI15W



TRAFCI20V

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