

# AFTR1-E

## Arc Fault Circuit Interrupter (AFCI)

### Brand Features

The SmartlockPro® Outlet Branch Circuit (OBC) AFCI Receptacle offers advanced technology to help protect against electrical fires resulting from arc-faults. Designed to detect a wide range of potentially hazardous arc-faults resulting from damage in branch circuit wiring as well as extensions to branches such as appliances and cord sets, the OBC AFCI responds by interrupting power. This helps reduce the likelihood of the home's electrical system being an ignition source of a fire. Often unseen, arc-faults can occur anywhere in the home's electrical system including within walls, at loose electrical connections or within electrical cords accidentally damaged by impinging furniture. AFCI's are now required by the National Electrical Code® in many areas of the home.

### Item Description

15 Amp, 125 Volt @Receptacle, 20 Amp Feed-Through, Tamper-Resistant, AFCI Receptacle, Monochromatic, back and side wired, nylon wallplate, screws and self grounding clip included – Black

### Technical Information

#### AC Horsepower Ratings

**At Rated Voltage:** 1 HP

#### Electrical Specifications

**Dielectric Voltage:** Withstands 2000V per UL498

**Temperature Rise:** Max 30C after 100 cycles OL at 150 percent rated current

#### Environmental Specifications

**Flammability:** Rated V-2 per UL94

**Operating Temperature:** -35C to +66C

#### Material Specifications

**Face Material:** Thermoplastic

**Body Material:** Polycarbonate

**Line Contacts:** Brass Double-Wipe .031 Thick

**Terminal Screws:** Plated Steel

**Grounding Screw:** Plated Steel

**Yoke:** Zinc-Plated Steel

**Clamps:** Brass

**Notes:** w/ Wallplate

#### Mechanical Specifications

**Terminal ID:** Brass-Hot, Green-Ground, Silver-Neutral

**Terminal Accom.:** 14-10 AWG

**Product ID:** Ratings are permanently marked on device

#### Product Features

**Series:** AFTR1

**Amperage:** 15 Amp

**Voltage:** 125 Volt

**NEMA:** 5-15R

**Feature:** Tamper-Resistant

**Pole:** 2

**Wire:** 3

**Termination:** Back & Side

**Grounding:** Self-Grounding

**Color:** Black

**Strap Material:** Galvanized Steel

**Standards and Certifications:** UL/CSA

**Warranty:** 2-Year Limited

#### Standards and Certifications

**NEMA:** WD-6

**ANSI:** C-73

**UL498:** Yes

**NOM:** 057

**UL1699.A:** File E342815

**UL Fed Spec WC-596:** Yes



Color:



Black

UPC Code: 07847757492

Country of Origin: China

NEMA: 5-15R

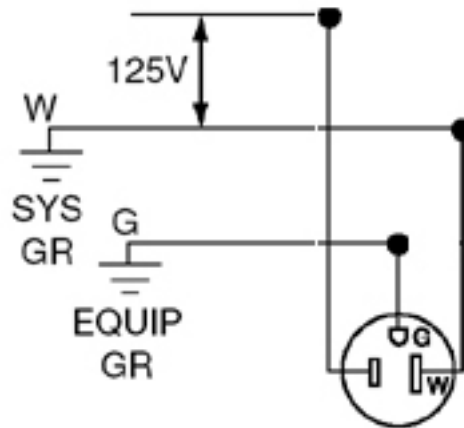


### Features and Benefits

- Use of TEST and RESET buttons is similar to traditional GFCI receptacles of which consumers have become familiar with. This translates into greater acceptance of the technology and a more user-friendly platform
- Automatically tests the AFCI every time the RESET button is depressed; the AFCI will not reset if the AFCI circuit is not functioning properly

- By blocking reset of the AFCI if protection has been compromised, the SmartlockPro OBC AFCI reduces the possibility of end-users incorrectly assuming that a reset AFCI is providing protection when its functionality has been compromised
- A line-load reversal diagnostic feature is provided which prevents the AFCI from being reset and stops power from being fed to the AFCI receptacle face or through to downstream devices; a green LED indicator on the AFCI's face also illuminates to alert the installer to a line-load wiring reversal when the device is in the tripped state
- TR symbol indicates the device's compliance with the latest NEC® requirements for tamper-resistant receptacles in residences and childcare facilities
- Device design reduces nuisance tripping
- Impact-resistant thermoplastic cover and body
- Superior resistance to electrical surges and over-voltages
- Terminals allow for easy wiring options – back and side wire capable
- Compatible with all Decora® devices and wallplates; available in select colors
- Meets or exceeds UL requirements for tripping time on both series and parallel arcs

### Wiring Diagram



5-15R

### SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
<input type="text"/>	<input type="text"/>	<input type="text"/>
JOB NUMBER:	<input type="text"/>	<input type="text"/>

**Leviton Manufacturing Co., Inc.**

201 North Service Road, Melville, NY 11747

Telephone: 1-800-323-8920 · FAX: 1-800-832-9538 · Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): 1-800-824-3005

**Leviton Manufacturing of Canada, Ltd.**

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 · Telephone: 1-800-469-7890 ·

FAX: 1-800-824-3005 · [www.leviton.com/canada](http://www.leviton.com/canada)

**Leviton S. de R.L. de C.V.**

Lago Tana 43, Mexico DF, Mexico CP 11290 · Tel.: (+52)55-5082-1040 · FAX: (+52)5386-1797 · [www.leviton.com.mx](http://www.leviton.com.mx)

**Visit our Website at: [www.leviton.com](http://www.leviton.com)**

© 2012-2013 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.

**Leviton has a global presence.**

If you would like to know where your local Leviton office is located please go to: [www.leviton.com/international/contacts/](http://www.leviton.com/international/contacts/)

