

AFTR2-W

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. AFCIs are now required by the National Electrical Code® in many areas of the home.

Item Description

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



Color: White

UPC Code: 07847757498

Country Of Origin: China

NEMA:
5-20R



Technical Information

AC Horsepower Ratings

At Rated Voltage: 1 HP

Electrical Specifications

Dielectric Voltage: Withstands
1250VAC per UL 1699A

Temperature Rise: Max 30C after 250
cycles OL at 200 percent rated current

Environmental Specifications

Flammability: Rated V-2 per UL94

Operating Temperature: -35C to +66C

Material Specifications

Body Material: Polycarbonate

Clamps: Brass

Face Material: Thermoplastic

Grounding Screw: Plated Steel

Line Contacts: Brass Triple-Wipe

Notes: w/ Wallplate

Terminal Screws: Plated Steel

Yoke: Zinc-Plated Steel

Mechanical Specifications

Product ID: Ratings are permanently
marked on device

Terminal Accom.: 14-10 AWG

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

Product Features

Amperage: 20 A

Color: White

Feature: Tamper-Resistant

Grounding: Self-Grounding

NEMA: 5-20R

Pole: 2

Series: AFTR2

Standards and Certifications: UL/CSA

Strap Material: Galvanized Steel

Termination: Back & Side

Voltage: 125 VAC

Warranty: 2-Year Limited

Wire: 3

Standards and Certifications

ANSI: C-73

CSA C22.2 No. 42: Yes

**CSA Technical Information Letter No.
M-02A:** Yes

NEMA: WD-6

NOM: 057

UL1699.A: File E342815

UL 498: Yes

UL Fed Spec WC-596: Yes

Features and Benefits

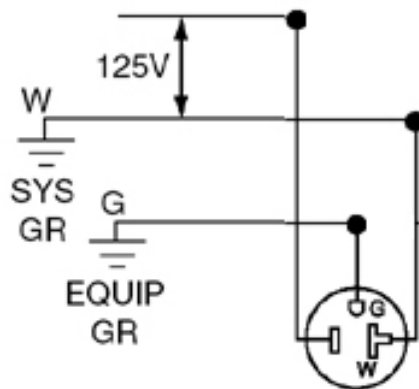
- Use of TEST and RESET buttons is similar to traditional GFCI receptacles of which consumers have become familiar with. This translates into greater acceptance of the technology and a more user-friendly platform
- Automatically tests the AFCI every time the RESET button is depressed; the AFCI will not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

Patents*

US8242362

*This list is provided for patent marking purposes only. A good faith effort is made to maintain the accuracy and completeness of this list. No legal inference should be drawn from the omission of a patent from this list.

Wiring Diagram



5-20R

SPECIFICATION SUBMITTAL

JOB NAME: 	CATALOG NUMBERS: 	
JOB NUMBER:		

Leviton Manufacturing Co., Inc.

201 North Service Road, Melville, NY 11747

Teléfono: +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

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

Visit our Website at: www.leviton.com

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