

# AFTR2-W



20 Amp, Self Test, Tamper-Resistant AFCI Outlet with LED Indicator Light

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

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.

Color :  White

UPC Code : 078477574980

Country Of Origin : China

NEMA :  5-20R

## Available Colors :



## Technical Information

### AC Horsepower Ratings

**At Rated Voltage :** 1 HP

**Dielectric Voltage :**  
Withstands 1250VAC per UL 1699A

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

### Environmental Specifications

**Body Material :** Polycarbonate

**Clamps :** Brass

**Face Material :** Thermoplastic

**Flammability :** Rated V-2 per UL 94

**Grounding Screw :** Plated Steel

**Line Contacts :** Brass Triple-Wipe

**Notes :** w/ Wallplate

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

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**Dielectric Voltage :**  
Withstands 1250VAC per UL 1699A

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**Grounding Screw :** Plated Steel

**Line Contacts :** Brass Triple-Wipe

**Notes :** w/ Wallplate

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

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

**Terminal Screws** : Plated Steel

**Yoke** : Zinc-Plated Steel

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

**Terminal Screws** : Plated Steel

**Yoke** : Zinc-Plated Steel

#### Mechanical Specifications

**Amperage** : 20 A

**Color** : White

**Feature** : Tamper-Resistant

**Grounding** : Self-Grounding

**NEMA** : 5-20R

**Pole** : 2

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

**Series** : AFTR2

**Standards and Certifications**  
: UL/CSA, NEMA WD6, NEMA  
WD1

**Strap Material** : Galvanized  
Steel

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

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

**Termination** : Back & Side

**Torque Range** : 14 – 18 in.-lbs

**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

**NOM** : 057

**UL 498** : Yes

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

**UL1699.A** : File E342815

#### Product Features

**Amperage** : 20 A

**At Rated Voltage** : 1 HP

**Color** : White

**Feature** : Tamper-Resistant

**Grounding** : Self-Grounding

**NEMA** : 5-20R

**Pole** : 2

**Series** : AFTR2

**Standards and Certifications**  
: UL/CSA, NEMA WD6, NEMA  
WD1

**Strap Material** : Galvanized  
Steel

**Termination** : Back & Side

**Type** : Duplex Receptacle

**Voltage** : 125 VAC

**Wallplate** : Included

**Warranty** : 2-Year Limited

**Wire** : 3

## 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

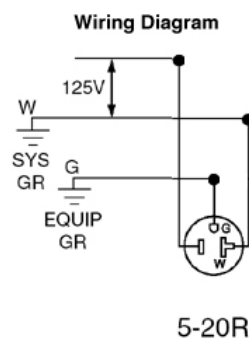
- A line-load reversal diagnostic feature is provided which prevents the AFCI from being reset and stops power from being fed to the AFCI receptacle face or through to downstream devices; a green LED indicator on the AFCI's face also illuminates to alert the installer to a line-load wiring reversal when 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 \*

CA2515035	US9577420
CA2730014	US7697252
MX308495	US7737809
CA2427366	CA2677283
MX251584	US8944859
US8587914	MX302458
MX269232	US7868719
US8599522	US8599523
US10483066	MX276626
US8242362	US9053886

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



JOB NAME:

JOB NUMBER:

CATALOG NUMBERS:

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