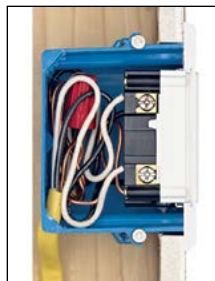# GFCIs and AFCIs

E

Tamper-Resistant and Non Tamper-Resistant Self-Test GFCI Receptacles
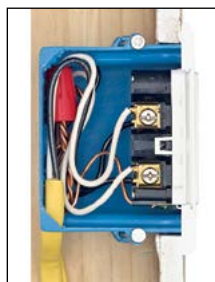
The SmartlockPro® Self-Test GFCIs contain the latest innovation in ground-fault protection by automatically conducting a periodic internal test to confirm that the GFCI is able to respond to a ground-fault. Easy to install, they take up to 25% less space in the wallbox vs. typical GFCIs and can fit into any box, even shallow ones. These slim GFCIs provide all the reset lockout benefits of our standard SmartlockPro® offering, and are available in tamper-resistant and non tamper-resistant versions. Constructed of resilient thermoplastic and able to withstand high torque levels, self-test GFCIs come in styles for every need, including a combination guide light/receptacle and a blankface device.
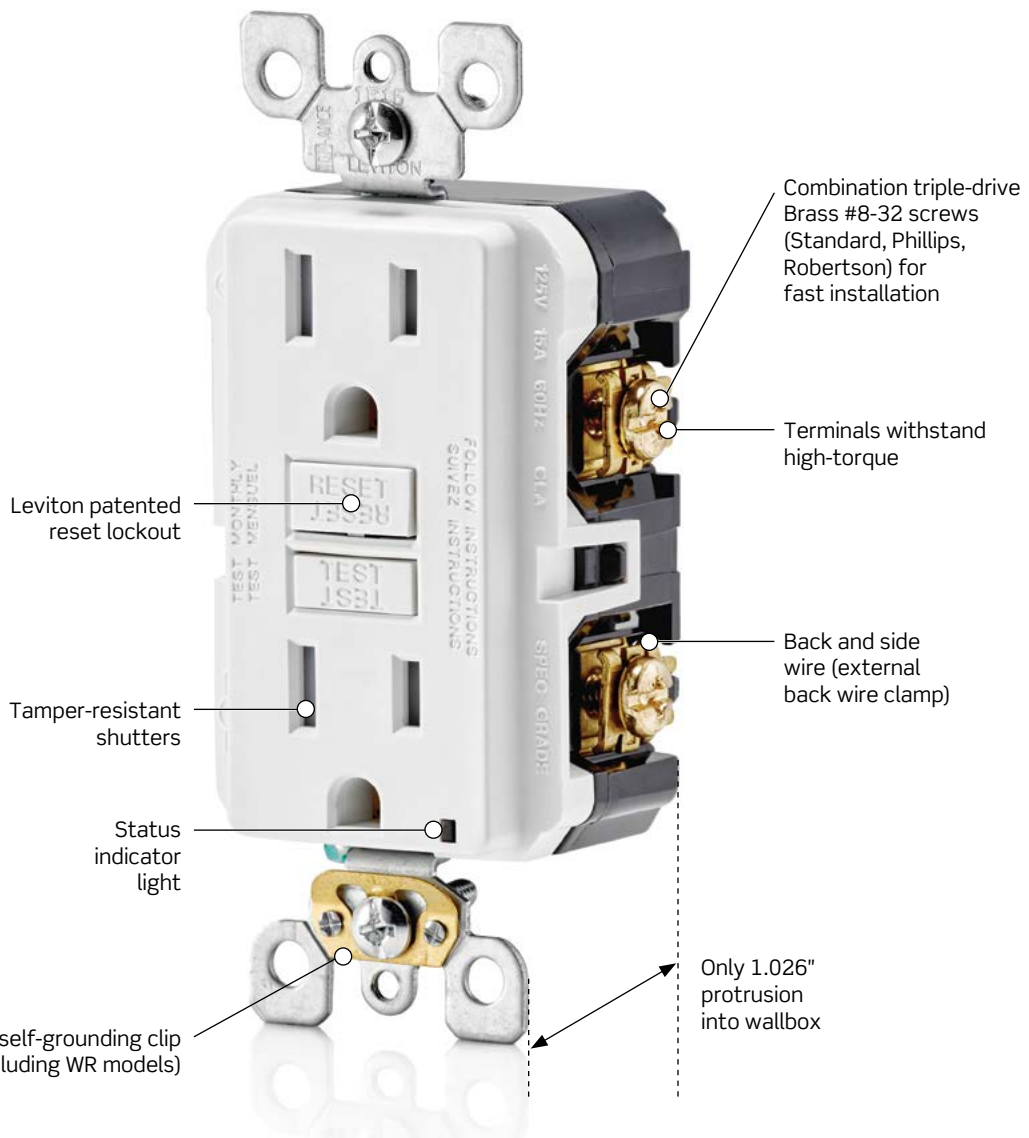
GFTR1-W

Takes up to 25% less space in the wallbox vs. other GFCIs

Older Model GFCI

SmartlockPro® GFCI

Combination triple-drive Brass #8-32 screws (Standard, Phillips, Robertson) for fast installation

Terminals withstand high-torque

Leviton patented reset lockout

Tamper-resistant shutters

Status indicator light

Back and side wire (external back wire clamp)

Only 1.026" protrusion into wallbox

Brass self-grounding clip (excluding WR models)

Color Choices
GFCI receptacles are offered in a wide range of colors. To order colors, add suffix to Cat. No.

White (-W)	Ivory (-I)	Light Almond (-T)	Gray (-G/-GY)	Black (-E)	Brown	Red (-R)	Green (-G)	Orange (-O)

SmartlockPro® Self-Test GFCIs

Features and Benefits

Self-Test
- Provides continuous ground-fault protection — detects and trips on actual ground-fault even when self-test is being conducted
- On initial power up, tests the GFCI within 3 seconds
- Auto-monitoring exceeds the UL requirement
- Auto adapts and shifts to more frequent testing if potential problem is detected
- Testing frequency regularly updates protection status
- Electronics are designed to minimize any false triggers

Standard
- Available in 15A and 20A versions
- Silver alloy contacts
- Impact-resistant thermoplastic cover and body
- One-piece T-design trip latch mechanism provides efficient operation
- Takes up 25% less space in the wallbox vs. other tamper-resistant GFCIs
- Terminals allow for easy wiring options — back and side wire capable
- External backwire clamps provide positive visual indication of wiring and exhibit very high holding force at standard torque levels
- Standard brass self-grounding clips (excluding WR versions)
- Patented bridge contact provides individual sets of contacts for GFCI receptacle face and downstream receptacles; no power to receptacle face if improperly wired (line-load reversed)
- Patented lockout feature for added safety prevents RESET if GFCI is not operating properly
- Status Indicator Light provides simple, intuitive feedback on power and protection status as well as indication of line/load reversal
- Advanced electronic design provides superior resistance to electrical surges and over-voltages
- Trip threshold meets or exceeds UL requirements for tripping time
- Improved immunity to high frequency noise reduces nuisance tripping
- Impact-resistant thermoplastic cover and body
- TEST and RESET button colors match device face
- Compatible with all Decora® devices and wallplates; available in select Decora® colors
- NAFTA compliant versions available
- Fed Spec Rated
- Backed by a limited 2-year warranty

Tamper-Resistant
- Shutter mechanism inside the receptacle blocks access to the contacts unless a two-prong or three-prong plug is inserted
- Complies with NEC® requirement mandating that all 15A and 20A receptacles installed in dwelling units be listed as tamper-resistant

Duplex Guide Light
- Sensor provides automatic ON/OFF based on ambient lighting
- Dual lens provides visible light with a variety of plugs or transformers
- Custom designed lenses with edge-mounted LEDs improve light dispersion
- Energy-efficient: uses approx. 1W of electricity — no bulbs to replace
- Saves space by eliminating the need to use an outlet for a plug-in night light

Weather-Resistant
- Designed for wet and damp locations to meet the requirements of NEC Section 406.8
- Stainless steel strap and screws
- Conformal coated PC board to protect critical components from moisture
- Cold impact resistant face and buttons
- UV stabilized plastics

Audible Alert
- Alarm sounds when GFCI trips, providing alert that power has been disconnected from load(s) plugged in or fed from the GFCI
- Indicator light provides visual status

Hospital Grade
- Extra heavy-duty impact-resistant PBT cover
- Passes stringent durability test required for use in healthcare facilities including plug retention and construction integrity

SmartlockPro® Self-Test GFCIs Spec Grade

Back and Side Wired GFCI with Professional Grade Lockout ⓤ ⓢ

Rating		15A-125V @ Receptacle 20A-125V Feed-Through		20A-125V @ Receptacle 20A-125V Feed-Through	
NEMA		5-15R		5-20R	
Description	**Color**	**Cat. No.**	**Cat. No.**	**Cat. No.**	**Cat. No.**
		TR	**Non-TR**	**TR**	**Non-TR**
Duplex GFCI with LED Indicator Light (with self-grounding clip)	White	GFTR1-W	GFNT1-W	GFTR2-W	GFNT2-W
	Ivory	GFTR1-I	GFNT1-I	GFTR2-I	GFNT2-I
	Light Almond	GFTR1-T	GFNT1-T	GFTR2-T	GFNT2-T
	Gray	GFTR1-GY	GFNT1-GY	GFTR2-GY	GFNT2-GY
	Black	GFTR1-E	GFNT1-E	GFTR2-E	GFNT2-E
	Brown	GFTR1	GFNT1	GFTR2	GFNT2
	Red	—	—	—	GFNT2-R
Duplex Weather-Resistant/ Outdoor Grade GFCI with LED Indicator Light	White	GFWT1-W	GFWR1-W	GFWT2-W	GFWR2-W
	Ivory	GFWT1-I	—	GFWT2-I	—
	Light Almond	GFWT1-T	—	GFWT2-T	—
	Gray	GFWT1-GY	—	GFWT2-GY	—
	Black	GFWT1-E	GFWR1-E	GFWT2-E	GFWR2-E
Duplex GFCI with Guide Light, LED Indicator Lights (with self-grounding clip)	White	GFNL1-W	—	GFNL2-W	—
	Ivory	GFNL1-I	—	GFNL2-I	—
	Light Almond	GFNL1-T	—	GFNL2-T	—
	Black	GFNL1-E	—	—	—
Combination GFCI with Switch, LED Indicator Light (with self-grounding clip)	White	GFSW1-W	—	—	—
	Ivory	GFSW1-I	—	—	—
	Light Almond	GFSW1-T			
Duplex GFCI with Audible Trip Alert (with self-grounding clip)	White	GFTA1-W	—	GFTA2-W	—
	Ivory	GFTA1-I	—	GFTA2-I	—
	Light Almond	GFTA1-T	—	GFTA2-T	—

TR: Tamper-Resistant

GFTR2-W

GFWT1-W

Blank Face Back and Side Wired GFCI with Professional Grade Lockout ⓤ ⓢ

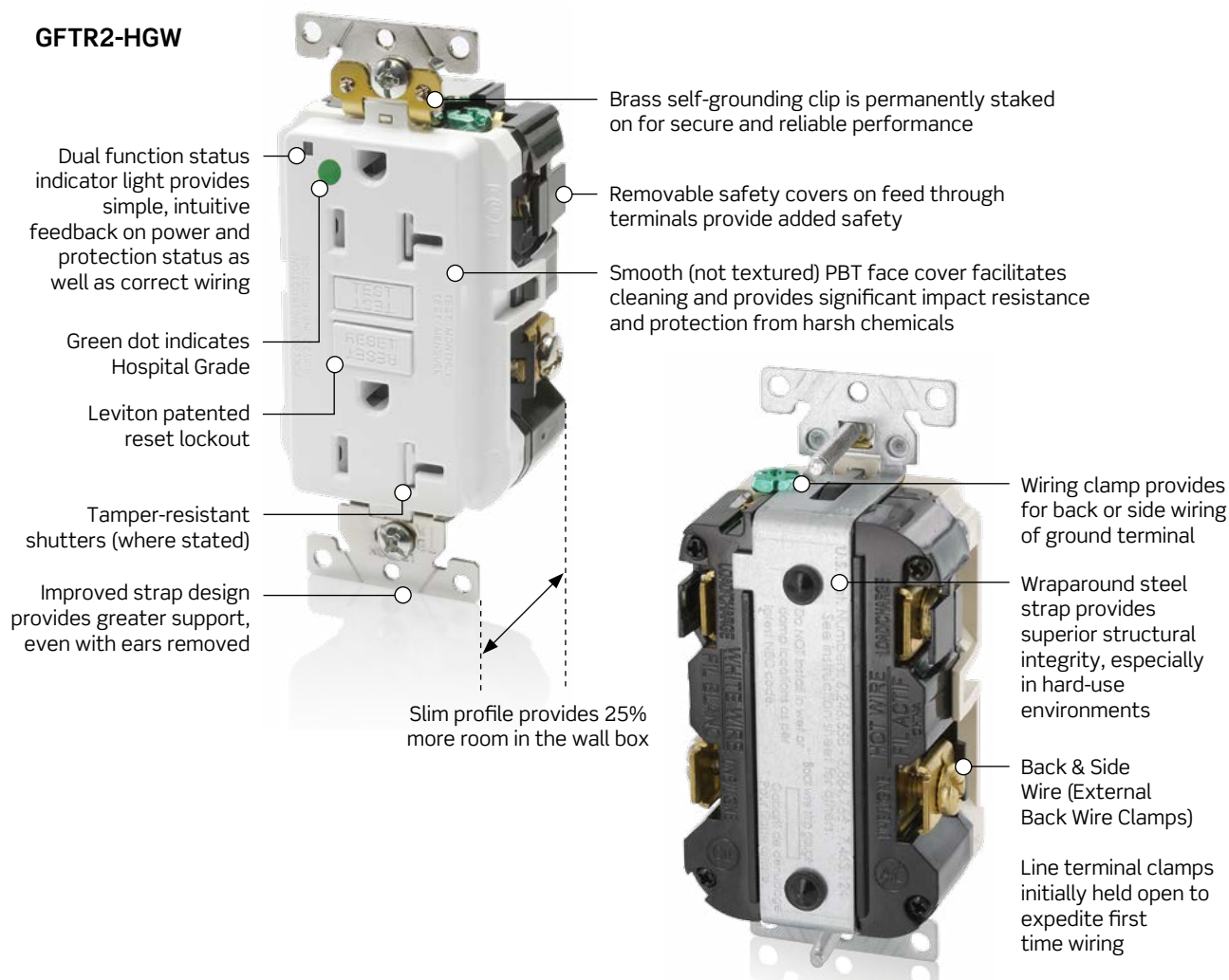| Rating		20A-125V Feed-Through Switch Rated
Description	**Color**	**Cat. No.**
Blank Face GFCI with LED Indicator (with self-grounding clip)	White	GFRBF-W
	Ivory	GFRBF-I
	Light Almond	GFRBF-T
	Black*	GFRBF-XE

*Bulk pack only (50 pcs/MC)

GFNL1-W

GFRBF-W

Related Products
Leviton has a comprehensive line of outdoor weatherproof covers and boxes that are ruggedly constructed to withstand the elements. **See pages S-26 to S-32 in the Wallplates & Covers section for more information.**

E
GFCIs and AFCIs

LEVITON®

SmartlockPro® Extra Heavy-Duty Industrial Grade Self-Test GFCI Receptacles with Professional Grade Lockout

GFTR2-HGW

Dual function status indicator light provides simple, intuitive feedback on power and protection status as well as correct wiring

Green dot indicates Hospital Grade

Leviton patented reset lockout

Tamper-resistant shutters (where stated)

Improved strap design provides greater support, even with ears removed

Brass self-grounding clip is permanently staked on for secure and reliable performance

Removable safety covers on feed through terminals provide added safety

Smooth (not textured) PBT face cover facilitates cleaning and provides significant impact resistance and protection from harsh chemicals

Slim profile provides 25% more room in the wall box

Wiring clamp provides for back or side wiring of ground terminal

Wraparound steel strap provides superior structural integrity, especially in hard-use environments

Back & Side Wire (External Back Wire Clamps)

Line terminal clamps initially held open to expedite first time wiring

Features and Benefits

- Patented bridge contact provides individual sets of contacts for GFCI receptacle face and downstream receptacles; no power to receptacle face if improperly wired (line-load reversal)
- Patented lockout feature for added safety prevents RESET if GFCI is not operating properly
- Provides continuous ground-fault protection — detects and trips on actual ground-fault even when self-test is being conducted
- Status Indicator Light provides simple, intuitive feedback on power and protection status as well as indication of line/load reversal
- Auto-monitoring exceeds the UL requirement. Auto adapts and shifts to more frequent testing if potential problem is detected. Testing frequency regularly updates protection status. Electronics are designed to minimize any false triggers
- Compatible with all Decora® devices and wallplates; available in select Decora® colors
- Tamper-resistant shutters meet NEC Article 406.12 requirements (where stated)
- Impact and chemical resistant PBT face for longerservice life
- Improved strap design provides greater support, even with ears removed
- Fed Spec
- Backed by a limited 2-year warranty

Continued from previous page

SmartlockPro® Extra Heavy-Duty Industrial Grade Self-Test GFCI Receptacles with Professional Grade Lockout

Features and Benefits

Isolated Ground GFCI
- Isolated ground terminal pre-wired for quick assembly

Leaded
- Include #12 AWG TEW line and load leads plus a ground wire for broadest installation flexibility
- Terminals are enclosed for added safety

Pilot Light GFCI
- Long-lasting, energy efficient LEDs with 20-year life expectancy — no bulbs to replace
- High-visibility power indicator illuminates when power to the receptacle is present
- Ideal for equipment protection on dedicated branch circuits

Back and Side Wired GFCI ⓊⓈ Fed Spec

Rating		15A-125V @ Receptacle 20A-125V Feed-Through	20A-125V @ Receptacle 20A-125V Feed-Through
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Extra Heavy-Duty, Duplex GFCI	White	G5262-W	G5362-W
	Ivory	G5262-I	G5362-I
	Light Almond	G5262-T	G5362-T
	Gray	G5262-GY	G5362-GY
	Black	G5262-E	G5362-E
	Brown	G5262	G5362
	Red	G5262-R	G5362-R
Extra Heavy-Duty, Duplex GFCI, Tamper-Resistant	White	G5262-TW	G5362-TW
	Ivory	G5262-TI	G5362-TI
	Light Almond	G5262-TT	G5362-TT
	Gray	G5262-TGY	G5362-TGY
	Black	G5262-TE	G5362-TE
	Brown	G5262-T0	G5362-T0
	Red	G5262-TR	G5362-TR
Extra Heavy-Duty, Duplex GFCI, Tamper- and Weather-Resistant	White	G5262-WTW	G5362-WTW
	Ivory	G5262-WTI	G5362-WTI
	Light Almond	G5262-WTT	G5362-WTT
	Gray	G5262-WTG	G5362-WTG
	Black	G5262-WTE	G5362-WTE
	Brown	G5262-WT	G5362-WT
	Red	G5262-WTR	G5362-WTR
Extra Heavy-Duty, Two Marked Controlled Duplex GFCI, Tamper-Resistant	White	—	G5362-2TW
	Ivory		G5362-2TI
	Light Almond		G5362-2TT
	Gray		G5362-2TG
	Black		G5362-2TE
	Brown		G5362-2T
	Red		G5362-2TR
	Green		G5362-2TN

G5362-WTW

G5362-2TN

Continued on next page

Continued from previous page

GFTR1-IGO

GFPL2-PLW

GFTR2-5LW

Back and Side Wired GFCI ⓤ ⓒ Fed Spec			
Rating		**15A-125V @ Receptacle 20A-125V Feed-Through**	**20A-125V @ Receptacle 20A-125V Feed-Through**
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Extra Heavy-Duty, Duplex GFCI, Tamper-Resistant, Isolated Ground	White	GFTR1-IGW	GFTR2-IGW
	Ivory	GFTR1-IGI	GFTR2-IGI
	Light Almond	GFTR1-IGT	GFTR2-IGT
	Gray	GFTR1-IGG	GFTR2-IGG
	Black	GFTR1-IGE	GFTR2-IGE
	Brown	GFTR1-IG	GFTR2-IG
	Red	GFTR1-IGR	GFTR2-IGR
	Orange	GFTR1-IGO	GFTR2-IGO
Extra-Heavy Duty, Duplex GFCI, Tamper-Resistant, 3-Wire Lead	White	GFTR1-3LW	GFTR2-3LW
	Ivory	GFTR1-3LI	GFTR2-3LI
	Light Almond	GFTR1-3LT	GFTR2-3LT
	Gray	GFTR1-3LG	GFTR2-3LG
	Black	GFTR1-3LE	GFTR2-3LE
	Brown	GFTR1-3L	GFTR2-3L
	Red	GFTR1-3LR	GFTR2-3LR
Extra Heavy-Duty Duplex GFCI, Tamper-Resistant, 5-Wire Lead	White	GFTR1-5LW	GFTR2-5LW
	Ivory	GFTR1-5LI	GFTR2-5LI
	Light Almond	GFTR1-5LT	GFTR2-5LT
	Gray	GFTR1-5LG	GFTR2-5LG
	Black	GFTR1-5LE	GFTR2-5LE
	Brown	GFTR1-5L	GFTR2-5L
	Red	GFTR1-5LR	GFTR2-5LR
Extra Heavy-Duty, Single GFCI, Tamper-Resistant, with Pilot Light	White	GFPL1-PLW	GFPL2-PLW
	Ivory	GFPL1-PLI	GFPL2-PLI
	Light Almond	GFPL1-PLT	GFPL2-PLT
	Gray	GFPL1-PLG	GFPL2-PLG
	Black	GFPL1-PLE	GFPL2-PLE
	Brown	GFPL1-PL	GFPL2-PL
	Red	GFPL1-PLR	GFPL2-PLR

Extra Heavy-Duty Hospital Grade SmartlockPro®
Self-Test GFCI Receptacles

Back and Side Wired GFCI with Professional Grade Lockout ⓊⓁ ⓈⓅ Fed Spec					
Rating		15A-125V @ Receptacle 20A-125V Feed-Through		20A-125V @ Receptacle 20A-125V Feed-Through	
NEMA		5-15R		5-20R	
Description	**Color**	**Cat. No.**	**Cat. No.**	**Cat. No.**	**Cat. No.**
		TR*	**Non-TR****	**TR***	**Non-TR****
Extra Heavy-Duty, GFCI Duplex Receptacle with LED Indicator Light (with self-grounding clip)	White	GFTR1-HGW	GFNT1-HGW	GFTR2-HGW	GFNT2-HGW
	Ivory	GFTR1-HGI	GFNT1-HGI	GFTR2-HGI	GFNT2-HGI
	Light Almond	GFTR1-HGT	GFNT1-HGT	GFTR2-HGT	GFNT2-HGT
	Gray	GFTR1-HGG	GFNT1-HGG	GFTR2-HGG	GFNT2-HGG
	Black	GFTR1-HGE	GFNT1-HGE	GFTR2-HGE	GFNT2-HGE
	Brown	GFTR1-HG	GFNT1-HG	GFTR2-HG	GFNT2-HG
	Red	GFTR1-HGR	GFNT1-HGR	GFTR2-HGR	GFNT2-HGR
Extra Heavy-Duty, GFCI Duplex Receptacle with Guide Light and LED Indicator Lights (with self-grounding clip)	White	GFNL1-HGW	—	GFNL2-HGW	—
	Ivory	GFNL1-HGI	—	GFNL2-HGI	—
	Light Almond	GFNL1-HGT	—	GFNL2-HGT	—
	Gray	GFNL1-HGG	—	GFNL2-HGG	—
	Black	GFNL1-HGE	—	GFNL2-HGE	—
	Brown	GFNL1-HG	—	GFNL2-HG	—
	Red	GFNL1-HGR	—	GFNL2-HGR	—
Extra Heavy-Duty, Weather-Resistant Outdoor Grade GFCI Duplex Receptacle with LED Indicator Light	White	GFWT1-HGW	—	GFWT2-HGW	—
	Ivory	GFWT1-HGI	—	GFWT2-HGI	—
	Light Almond	GFWT1-HGT	—	GFWT2-HGT	—
	Gray	GFWT1-HGG	—	GFWT2-HGG	—
	Black	GFWT1-HGE	—	GFWT2-HGE	—
	Brown	GFWT1-HG	—	GFWT2-HG	—
	Red	GFWT1-HGR	—	GFWT2-HGR	—

GFNL1-HGR

GFNL2-HGW

*TR versions are Tamper-Resistant and feature a shutter mechanism inside the receptacle that blocks access to the contacts unless a two-prong plug is inserted.
**Non-TR versions are not Tamper-Resistant

SPOTLIGHT
NAFTA/ARRA Compliant

*Leviton is the smart choice for GFCIs, Lighting Controls, Occupancy/Vacancy Sensors, Relay Control Panels, Submeters and Entertainment Lighting products that meet NAFTA (North American Free Trade Agreement) or ARRA (American Recovery and Reinvestment Act) requirements. For an up-to-date, comprehensive listing of Leviton's NAFTA or ARRA compliant products go to **www.leviton.com/usa**.*

Related Products
For more information on our Portable GFCI devices and User Attachable GFCIs **see section I, Temporary Power.**

SmartlockPro® Self Test NAFTA Compliant GFCI Receptacles with Professional Grade Lockout

NAFTA Compliant SmartlockPro® Self-Test GFCIs are available for projects subject to the provisions of the North American Free Trade Agreement.

Back and Side Wired GFCI with Professional Grade Lockout ⓤ ⓒ Fed Spec					
Rating		**15A-125V @ Receptacle 20A-125V Feed-Through**		**20A-125V @ Receptacle 20A-125V Feed-Through**	
NEMA		5-15R		5-20R	
Description	**Color**	**Cat. No.**	**Cat. No.**	**Cat. No.**	**Cat. No.**
		TR*	**Non-TR***	**TR***	**Non-TR***
NAFTA Compliant Self-Test GFCI with LED Indicator Light (with self-grounding clip)	White	GFTR1-FW	GFNT1-FW	GFTR2-FW	GFNT2-FW
	Ivory	GFTR1-FI	GFNT1-FI	GFTR2-FI	GFNT2-FI
Extra Heavy-Duty Hospital Grade NAFTA Compliant Self-Test Duplex GFCI with LED Indicator Light (with self-grounding clip)	White	GFTR1-HFW	GFNT1-HFW	GFTR2-HFW	GFNT2-HFW
	Ivory	GFTR1-HFI	GFNT1-HFI	GFTR2-HFI	GFNT2-HFI
	Light Almond	GFTR1-HFT	GFNT1-HFT	GFTR2-HFT	GFNT2-HFT
	Gray	GFTR1-HFG	GFNT1-HFG	GFTR2-HFG	GFNT2-HFG
	Black	GFTR1-HFE	GFNT1-HFE	GFTR2-HFE	GFNT2-HFE
	Brown	GFTR1-HF	GFNT1-HF	GFTR2-HF	GFNT2-HF
	Red	GFTR1-HFR	GFNT1-HFR	GFTR2-HFR	GFNT2-HFR

GFTR2-HFR

*Tamper-Resistant.
**Not Tamper-Resistant

SmartlockPro® DIN Rail Self-Test GFCI Receptacles

Features and Benefits
• Mounting clip provides easy installation in equipment cabinets
• GFCI has two terminals blocks, one for the line side and one for feed-thru
• Terminal block accepts #22-#12 AWG conductors
• 10kA SCCR
• GFCI receptacle is Fed Spec W-C 596 rated

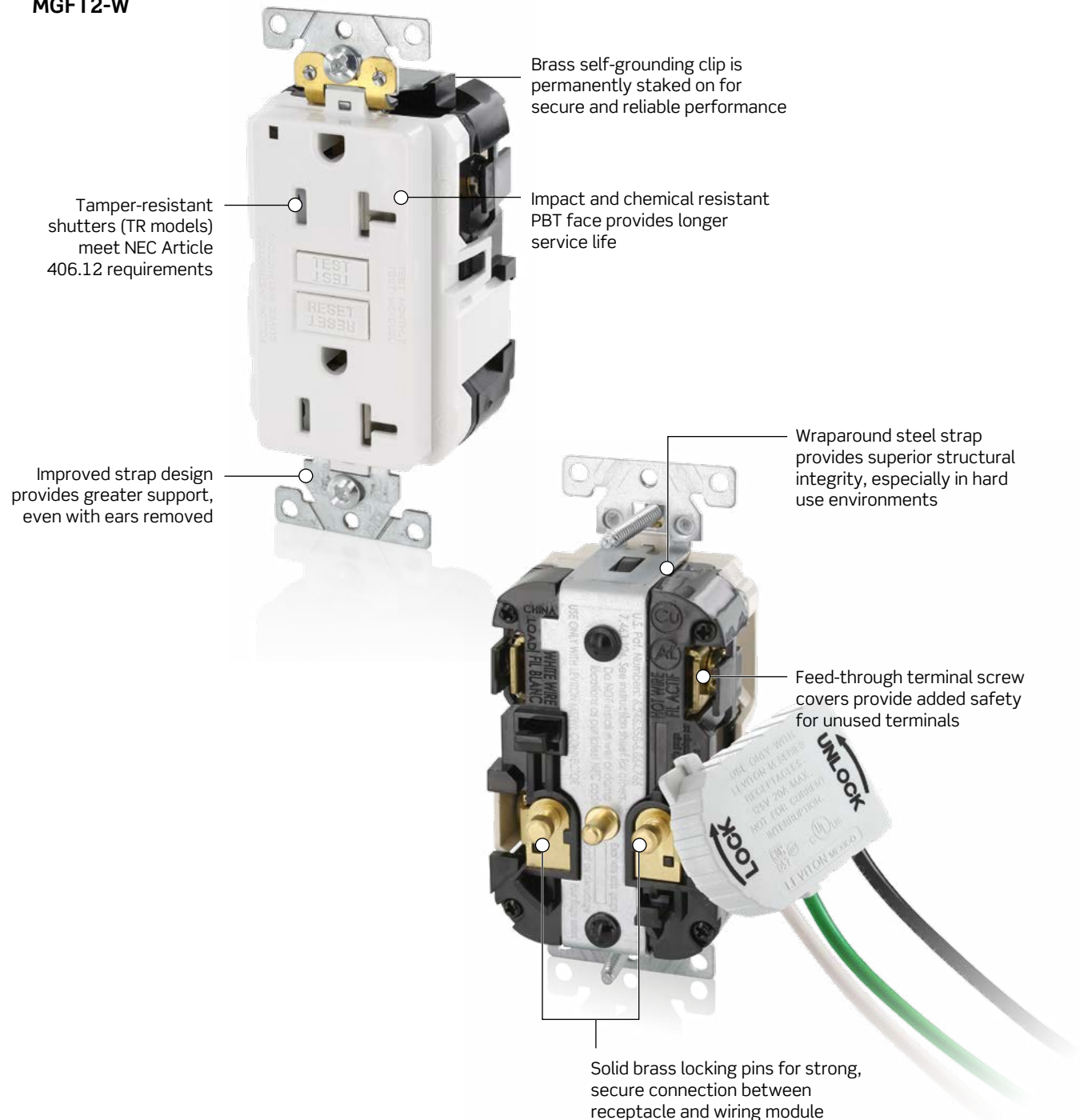| Extra Heavy-Duty Industrial Specification Grade DIN Rail GFCI Module cⓊ us			
Rating		**15A-125V 20A Feed-Through**	**20A-125V 20A Feed-Through**
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Duplex Receptacle with Indicator Light	Black	GFNT1-DIN	GFNT2-DIN

GFNT1-DIN

Related Products
For more information on our Decora Plus™ Industrial grade DIN Rail-Mount Duplex receptacles **see page C-31 in the Straight Blade Devices section.**

Lev-Lok® SmartlockPro® Self-Test GFCI Receptacles

Leviton's Extra Heavy-Duty SmartlockPro® Self-Test GFCI modular receptacles are the perfect solution for those locations that require the added safety of ground-fault protection, such as restrooms and kitchens. Suitable for use in all 15A or 20A, 125V commercial applications, these devices are offered in standard and tamper-resistant duplex receptacle versions. With ideal time-saving benefits and excellent safety features like automatic GFCI testing after RESET and built-in end-of-life indication, Leviton's GFCI modular receptacles are the perfect choice for safety.

MGFT2-W

Brass self-grounding clip is permanently staked on for secure and reliable performance

Tamper-resistant shutters (TR models) meet NEC Article 406.12 requirements

Impact and chemical resistant PBT face provides longer service life

Improved strap design provides greater support, even with ears removed

Wraparound steel strap provides superior structural integrity, especially in hard use environments

Feed-through terminal screw covers provide added safety for unused terminals

Solid brass locking pins for strong, secure connection between receptacle and wiring module

Lev-Lok® SmartlockPro® Self-Test GFCI Receptacles

Features and Benefits

- Provides continuous ground-fault protection — detects and trips on actual ground-fault even when self-test is being conducted
- Constructed with impact-resistant PBT cover
- Large triple-wipe, brass "T" line contacts on 20A for superior contact and conductivity
- Status Indicator Light provides simple, intuitive feedback on power and protection status as well as indication of line/load reversal
- Electronics are designed to minimize any false triggers
- Right Angle Wiring module's thin profile makes it easier to place GFCI receptacle in the box
- #12 AWG THHN wire leads, 6" length on MSTWL series wiring modules
- Wiring module locks and latches to the receptacle body providing double the connection security
- Receptacle to be installed only with Leviton MSTWL series wiring modules
- MSTWL wiring module sold separately

SmartlockPro® Extra Heavy-Duty Industrial Specification Grade Self-Test Decora Plus™ GFCI Receptacles

2-Pole, 3-Wire Grounding c(UL)us LISTED			
Rating		**15A-125V**	**20A-125V**
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Duplex	White	MGFN1-W	MGFN2-W
	Ivory	MGFN1-I	MGFN2-I
	Light Almond	MGFN1-T	MGFN2-T
	Gray	MGFN1-GY	MGFN2-GY
	Black	MGFN1-E	MGFN2-E
	Brown	MGFN1	MGFN2
	Red	MGFN1-R	MGFN2-R
Duplex, Tamper Resistant	White	MGFT1-W	MGFT2-W
	Ivory	MGFT1-I	MGFT2-I
	Light Almond	MGFT1-T	MGFT2-T
	Gray	MGFT1-GY	MGFT2-GY
	Black	MGFT1-E	MGFT2-E
	Brown	MGFT1	MGFT2
	Red	MGFT1-R	MGFT2-R

MGFT2-HGR
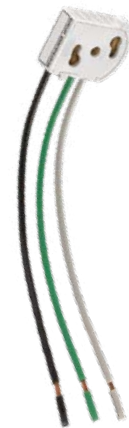
SmartlockPro® Extra Heavy-Duty Hospital Grade Self-Test Decora Plus™ GFCI Receptacles

2-Pole, 3-Wire Grounding c(UL)us Fed Spec			
Rating		**15A-125V**	**20A-125V**
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Duplex	White	MGFN1-HGW	MGFN2-HGW
	Ivory	MGFN1-HGI	MGFN2-HGI
	Light Almond	MGFN1-HGT	MGFN2-HGT
	Gray	MGFN1-HGG	MGFN2-HGG
	Black	MGFN1-HGE	MGFN2-HGE
	Brown	MGFN1-HG	MGFN2-HG
	Red	MGFN1-HGR	MGFN2-HGR
Duplex, Tamper Resistant	White	MGFT1-HGW	MGFT2-HGW
	Ivory	MGFT1-HGI	MGFT2-HGI
	Light Almond	MGFT1-HGT	MGFT2-HGT
	Gray	MGFT1-HGG	MGFT2-HGG
	Black	MGFT1-HGE	MGFT2-HGE
	Brown	MGFT1-HG	MGFT2-HG
	Red	MGFT1-HGR	MGFT2-HGR

MGFN1-HGI

Lev-Lok® Wiring Modules

Lev-Lok® Receptacle Wiring Modules c(UL)us LISTED			
Device Type	**Description**	**Color**	**Cat. No.**
Receptacles	Stranded	White	MSTWL-A
	Stranded with Push-Wire Connectors	White	MSTWL-WST
	Stranded for Emergency Circuits	Red	MSTWL-R
	Stranded for Isolated Ground Circuits	Orange	MSTWL-IG
	Stranded with Push-Wire Connectors for Isolated Ground Circuits	Orange	MSTWL-WIG
	Solid	White	MSTWL-SDA
	Solid for Isolated Ground Circuits	Orange	MSTWL-SIG
	Solid with Push-Wire Connectors	White	MSTWL-WSD
	Stranded XHHW-2 Wire for Low Leakage Circuits*	White	MSTWL-XA**
	Stranded XHHW-2 Wire for Low Leakage Circuits	White	MSTWL-X1**
	Stranded XHHW-2 Wire for Low Leakage Circuits	White	MSTWL-XN**

*With orange, brown and green wires.
**Add suffix of 0 for 6", 1 for 12", 2 for 24" or 3 for 36" long leads; please allow 4 to 6 weeks for delivery
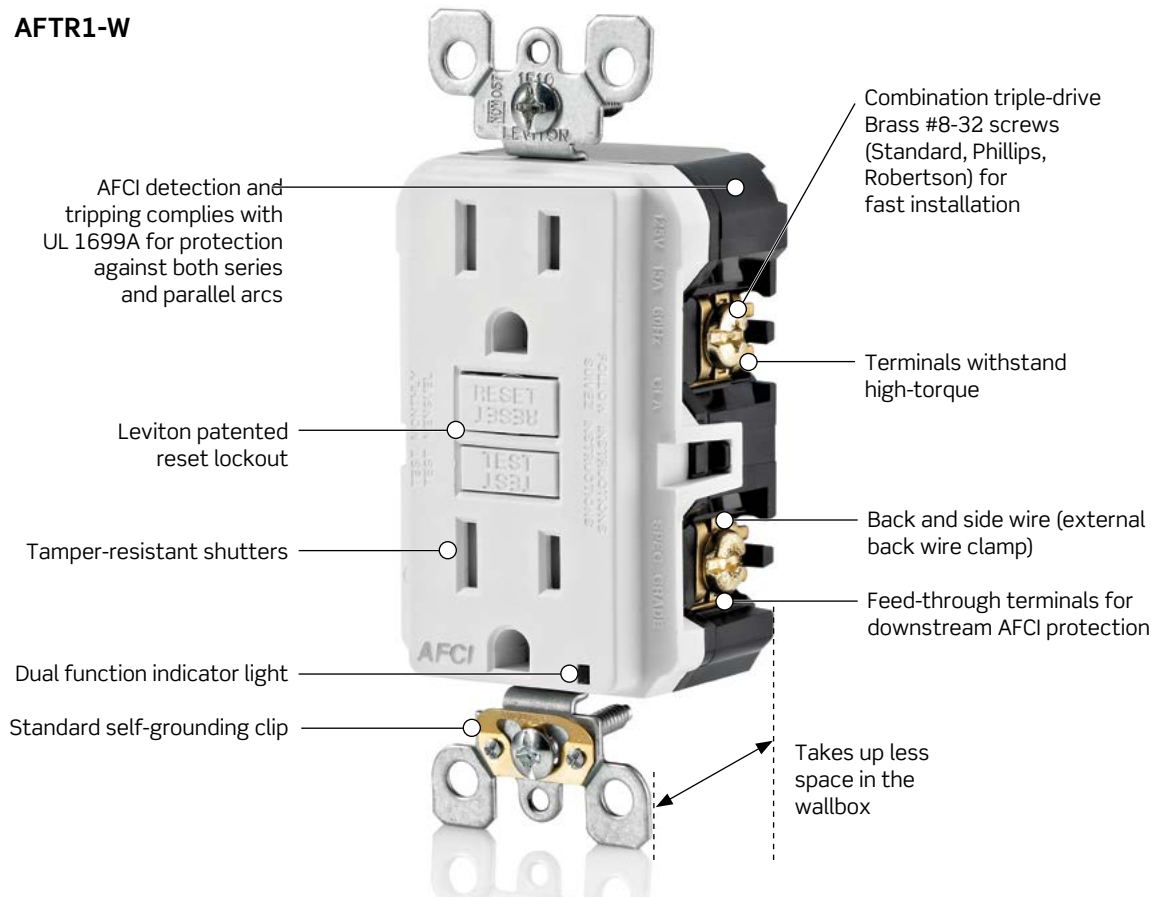
MSTWL-A
Wiring Module

SPOTLIGHT
Self-Test

The UL943 standard requires all GFCI receptacle manufacturers to produce GFCIs with an auto-monitoring (self-test) feature that automatically conducts a periodic internal test to confirm the GFCI is able respond to a ground-fault. If a problem is detected during the self-test, the GFCI must automatically trip and deny power or provide a visual and/or audible indication. For more information visit **www.leviton.com/gfci**.

AFCI Devices

SmartlockPro® Outlet Branch Circuit (OBC) AFCI Devices offer advanced technology to help protect against electrical fires. These devices are designed to interrupt power in the event potentially hazardous arcing is detected, which could originate from a number of sources including damaged wires and cords. Meeting the latest UL requirements for OBC AFCI outlets, they provide protection against series and parallel arcs. SmartlockPro® OBC AFCI devices feature Leviton's patented reset lockout and tamper-resistant technology. AFCI's are now required by the National Electrical Code® (NEC) in many areas of the home.

AFTR1-W

AFCI detection and tripping complies with UL 1699A for protection against both series and parallel arcs

Leviton patented reset lockout

Tamper-resistant shutters

Dual function indicator light

Standard self-grounding clip

Combination triple-drive Brass #8-32 screws (Standard, Phillips, Robertson) for fast installation

Terminals withstand high-torque

Back and side wire (external back wire clamp)

Feed-through terminals for downstream AFCI protection

Takes up less space in the wallbox

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
- Meets or exceeds latest UL 1699A requirements for arc detection and tripping requirements on both series and parallel arcs
- TR symbol on the strap indicates the device's compliance with the latest NEC® requirements fortamper-resistant receptacles in residences and childcare facilities
- Device design reduces nuisance tripping
- Impact-resistant thermoplastic cover and body

Color Choices   AFCI devices are offered in a wide range of colors. To order colors, add suffix to Cat. No.

White (-W)	Ivory (-I)	Light Almond (-T)	Gray (-G/-GY)	Black (-E)	Brown	Red (-R)

E

GFCIs and AFCIs
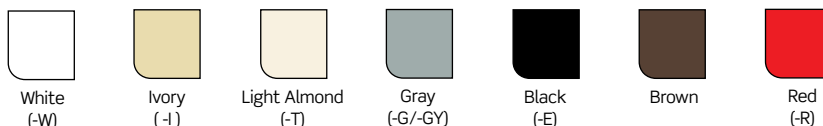
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SmartlockPro® Outlet Branch Circuit AFCI Devices

Features and Benefits

- Superior resistance to electrical surges and over-voltages
- Expanded wiring options with nine back-wire holes (two for each line and load connection plus one for ground with an internal clamp)
- Silver alloy contacts
- Coordinates with all Decora® devices and wallplates; available in select colors
- Packed with coordinating wallplate (except AFRBF)
- Backed by a limited 2-year warranty

Blank Face

- May be used for outlet branch circuits where AFCI protection is desired but is located where an outlet is not needed
- May be used on circuits feeding lighting loads as well as other loads such as smoke detectors where a receptacle is not used
- Ideal for installation in locations to make AFCI protection "readily accessible" per NEC requirements

AFCI/Switch

- Combination AFCI and single pole switch
- Use for new circuits or modifications to existing circuits where a switch is the first outlet in a branch circuit

Lockout Action

- Automatically tests the AFCI every time the RESET button is depressed; the AFCI will not reset if the AFCI circuit is not functioning properly
- Leviton's patented reset/lockout technology prevents the AFCI from being reset in the event of a line-load reversal and stops power from being fed to the AFCI receptacle face or through to downstream devices; an illuminated green LED indicator on the AFCI's face should alert an installer to a line-load wiring reversal if the device is in the tripped state

SmartlockPro® Outlet Branch Circuit AFCI Receptacles

Back and Side Wired AFCI w Reset/Lockout ⓊⒸ			
Rating		**15A-125V @ Receptacle 20A-125V Feed-Through**	**20A-125V @ Receptacle 20A-125V Feed-Through**
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Tamper-Resistant Outlet Branch Circuit AFCI Receptacle with LED Indicator	White	AFTR1-W	AFTR2-W
	Ivory	AFTR1-I	AFTR2-I
	Light Almond	AFTR1-T	AFTR2-T
	Gray	AFTR1-GY	AFTR2-GY
	Black	AFTR1-E	AFTR2-E
	Brown	AFTR1	AFTR2

AFTR1-W

Heavy-Duty Hospital Grade Back and Side Wired AFCI w Reset/Lockout ⓊⒸ Fed Spec			
Rating		**15A-125V @ Receptacle 20A-125V Feed-Through**	**20A-125V @ Receptacle 20A-125V Feed-Through**
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Tamper-Resistant Outlet Branch Circuit AFCI Receptacle with LED Indicator, Hospital Grade	White	AFTR1-HGW	AFTR2-HGW
	Ivory	AFTR1-HGI	AFTR2-HGI
	Light Almond	AFTR1-HGT	AFTR2-HGT
	Gray	AFTR1-HGG	AFTR2-HGG
	Black	AFTR1-HGE	AFTR2-HGE
	Brown	AFTR1-HG	AFTR2-HG
	Red	AFTR1-HGR	AFTR2-HGR

AFTR2-HGW

Continued from previous page

SmartlockPro® Outlet Branch Circuit AFCI Receptacles

Combination AFCI/Switch, Back and Side Wired ⓊⓇ		
Rating	15A-125V Switch 20A-125V Feed-Through	
Description	**Color**	**Cat. No.**
Outlet Branch Circuit Combination AFCI/Switch with LED Indicator	White	AFSW1-W
	Ivory	AFSW1-I
	Light Almond	AFSW1-T

Blank Face Back and Side Wired AFCI with Professional Grade Lockout ⓊⓇ		
Rating	20A-125V Feed-Through	
Description	**Color**	**Cat. No.**
Blank Face Outlet Branch Circuit AFCI with LED Indicator	White	AFRBF-W
	Ivory	AFRBF-I
	Light Almond	AFRBF-T

AFSW1-W

AFRBF-W

SmartlockPro® Dual Function AFCI/GFCI Receptacles

The SmartlockPro® Dual Function AFCI/GFCI Receptacle offers advanced technology to help protect against electrical fires and electrical shock hazards. These devices are designed to interrupt power in the event that a potentially hazardous arc-fault or ground-fault is detected. The SmartlockPro® Dual Function AFCI/GFCI Receptacle offers a National Electrical Code® (NEC®) compliant option for AFCI/GFCI protection in residential kitchens and laundry areas for new construction, modifications or extensions, and replacement receptacles. It is also ideal as a replacement for ungrounded receptacles, satisfying NEC requirements for both AFCI and GFCI protection.

Features and Benefits

- Meets NEC® requirements for AFCI and GFCI protection in residential kitchens and laundry areas for new circuits, circuit modifications or extensions and replacement receptacles
- Meets the latest UL standard for auto-monitoring (self-test) by periodically conducting an automatic internal test to confirm that GFCI protected power is available
- Patented reset lockout prevents reset if damaged and cannot respond to an arc-fault or ground-fault or line and load wires were reversed during installation
- Replaces a standard receptacle and has TEST and RESET buttons on face for localized testing and resetting
- Tamper-resistant to comply with the latest NEC® requirements
- Trip threshold meets or exceeds UL requirements for tripping time on ground-faults and on both series and parallel arcs for optimal safety
- Packaged with coordinating wallplate
- Patented bridge contact design provides individual sets of contacts for receptacle face and downstream receptacles
- Improved immunity to high frequency noise reduces nuisance tripping

E

GFCIs and AFCIs

SmartlockPro® Dual Function AFCI/GFCI Receptacles

Features and Benefits

- Superior resistance to electrical surges and over-voltages enhancing reliability
- Status Indicator Light provides simple, intuitive feedback on power and protection status as well as indication of line/load reversal
- One-piece T-design trip latch mechanism provides efficient operation
- Impact-resistant thermoplastic cover and body for durability
- Expanded wiring options with nine back-wire holes (two for each line and load connection plus one for ground with an internal clamp) for easy installation
- Silver alloy contacts

Back and Side Wired AFCI/GFCI with Reset/Lockout ⓤ ⓢ

Rating		15A-125V @ Receptacle 20A-125V Feed-Through	20A-125V @ Receptacle 20A-125V Feed-Through
NEMA		5-15R	5-20R
Description	**Color**	**Cat. No.**	**Cat. No.**
Tamper-Resistant Dual Function AFCI/GFCI Receptacle with LED Indicator	White	AGTR1-W	AGTR2-W
	Ivory	AGTR1-I	AGTR2-I
	Light Almond	AGTR1-T	AGTR2-T
	Gray	AGTR1-GY	AGTR2-GY
	Black	AGTR1-E	AGTR2-E
	Brown	AGTR1	AGTR2
Tamper-Resistant Dual Function AFCI/GFCI Receptacle with LED Indicator Hospital Grade	White	AGTR1-HGW	AGTR2-HGW
	Ivory	AGTR1-HGI	AGTR2-HGI
	Light Almond	AGTR1-HGT	AGTR2-HGT
	Gray	AGTR1-HGG	AGTR2-HGG
	Black	AGTR1-HGE	AGTR2-HGE
	Brown	AGTR1-HG	AGTR2-HG
	Red	AGTR1-HGR	AGTR2-HGR

Blank Face Back and Side Wired AFCI/GFCI with Professional Grade Lockout ⓤ ⓢ

Rating		20A-125V Feed-Through Switch Rated
Description	**Color**	**Cat. No.**
Blank Face AFCI/GFCI with LED Indicator (with self-grounding clip)	White	AGRBF-W
	Ivory	AGRBF-I
	Light Almond	AGRBF-T

AGTR1-W

AGTR1-HGW

AGRBF-W

GFCI Cord Sets
Automatic and Manual Reset GFCI Devices

Leviton's automatic and manual reset GFCI devices are now sleeker and more rugged than ever. These fully OSHA compliant devices are also perfect for use in a variety of temporary power applications, such as recreation and marine vehicles, portable pools and generators, submersible pumps, vending machines and more.

Features and Benefits

- Rainproof, outdoor rated GFCI module
- Fully complies with NEC and OSHA regulations for construction sites
- Manual Reset Cord Sets (yellow body) will NOT automatically reset ON when power is applied or restored after a power interruption — RESET button must be actuated
- Automatic Reset Cord Sets (black body) will automatically reset ON when plugged in or when power is restored after a power interruption
- Power indicator light goes OFF if GFCI trips, power is interrupted, or GFCI is unplugged
- Open-neutral protection immediately trips the GFCI if the neutral conductor on the line side is opened, eliminating the possibility of the GFCI having a live hot leg

- Custom cord lengths and configurations available as special order
- Impact-resistant thermoplastic cover and body
- Water-resistant enclosure is sealed by ultrasonic welding
- Fully complies with NEC and OSHA regulations for construction sites
- UL/CSA listed cord sets and user-attachables; UL recognized power supply cords; complies with UL Standard 943 as a Class A GFCI
- CSA certified
- Backed by a limited 2-year warranty

GFA15-6C

Rainproof, polycarbonate, ultrasonically welded enclosure provides long service life and excellent resistance to harsh weather

Power Indicator light goes OFF if GFCI trips, power is interrupted or line cord is unplugged

Weather resistant cable

E

GFCIs and AFCIs

Automatic and Manual Reset GFCI Cord Sets and Power Supply Cords

Automatic Reset GFCI Cord Sets and Power Supply Cords ⓤ Ⓢ

Rating		15A-120V
NEMA		5-15P 5-15R

Description	Color	Cat. No.
2 ft. Cord Set, Molded, Straight Blade Plug and Connector	Black	GFA15-2C
6 ft. Cord Set, Molded, Straight Blade Plug and Connector	Black	GFA15-6C
25 ft. Cord Set, Molded, Straight Blade Plug and Connector	Black	GFA15-25C
3 ft. Cord Set, Molded, Straight Blade Plug and Triple Tap Connector	Black	GFA15-3TC
37 ft. Power Supply Cord, Molded, Straight Blade Plug, No Connector	Black	GFA15-37E
3 ft. Cord Set, Molded, Straight Blade Plug, No Connector	Black	EFA15-3E

Rating		20A-120V
NEMA		5-20P 5-20R

Description	Color	Cat. No.
3 ft. Cord Set, Molded, Straight Blade Plug and Connector	Black	GFA20-3C
37 ft. Power Supply Cord, Molded, Straight Blade Plug, No Connector	Black	GFA20-37E

Rating		20A-120V
NEMA		L5-20R L5-20P

Description	Color	Cat. No.
3 ft. Cord Set, Locking Plug and Connector	Black	GFA20-3LC

GFA15-3TC

GFA20-37E

Manual Reset GFCI Cord Sets ⓤ Ⓢ

Rating		15A-120V
NEMA		5-15P 5-15R

Description	Color	Cat. No.
3 ft. Cord Set, Molded, Straight Blade Plug and Connector, 12-3 SJTW Cord	Yellow	GFM15-3C
25 ft. Cord Set, Molded, Straight Blade Plug and Connector	Yellow	GFM15-25C
3 ft. Cord Set, Molded, Straight Blade Plug and Triple Tap Connector, 12-3 SJTW Cord	Yellow	GFM15-3TC
3 ft. Cord Set, Molded, Straight Blade Plug and Connector, 14-3 SJTW Cord, one end features a 14W47 Wetguard® Plug, other end features a 15W47 Wetguard® Connector	Yellow	GFM15-3WC

Rating		15A-120V
NEMA		5-20P 5-20R

Description	Color	Cat. No.
3 ft. Cord Set, Molded, Straight Blade Plug and Connector, 12-3 SJTW Cord	Yellow	GFM20-3C
3 ft. Cord Set, Molded, Straight Blade, Plug and Connector, 12-3 SJTW Cord, one end features a 14W33 Wetguard® Plug, other end features a 15W33 Wetguard® Connector	Yellow	GFM20-3WC

GFM20-3C

GFCI User Attachables

Features and Benefits

- UL 943 Class A GFCI operation with open-neutral protection
- May be pre-wired to cable of any specified length up to 50 feet
- Accept — #18 thru #12 cord sizes Type SJ or ST
- Power indicator light goes off if GFCI trips, power is interrupted or GFCI is unplugged
- Backed by a limited 2-year warranty

16693

16694

Polycarbonate, ultrasonically welded body provides long service life and excellent resistance to harsh weather

Accepts 12 AWG to 18 AWG 3-wire flexible cord (SJ or ST Type)

Terminal chamber sealed with silicon and foam rubber gaskets for superior protection against moisture

User Attachable Devices

Right Angle GFCI Plug ⓤ ⓢ		15A-120V	20A-120V
Rating		15A-120V	20A-120V
NEMA		5-15P	5-20P
Description	**Color**	**Cat. No.**	**Cat. No.**
Automatic Reset	Black	16693*	16793*
Manual Reset	Yellow	16694*	16794*

*Please add -1 to the Cat. No. for bulk pack of 20

16693

LEVITON

GFCI Panel Mount

Features and Benefits

- Provides UL 943 Class A GFCI protection (5mA±1mA)
- A "Hi/Lo" voltage detection RED indicator lights when power supply swells or drops at approximately 160V RMS / 70V RMS (+/-10%)
- Rated 20A-120VAC for down-stream loads; units can be easily added to equipment panels
- Rugged UV/impact-resistant polycarbonate housing in high-visibility yellow, with moisture-resistant TEST and RESET buttons
- Rainproof outdoor rated GFCI module
- Automatically resets ON after power interruption
- Open-neutral protection ensures that the GFCI will trip automatically if there's a break in the neutral conductor feeding power to the GFCI
- Meets OSHA requirements for construction sites
- Backed by a limited 2-year warranty

Panel Mount GFCI with Hi/Lo Voltage Detection ⓊⓈ

Rating		20A-120V
Description	Color	Cat. No.
Panel Mount GFCI	Yellow	46596-Y

46596-Y

SPOTLIGHT
Temporary Power

*Leviton offers a comprehensive line of temporary power products for the commercial, industrial and entertainment market segments. See Section J, our Temporary Power Section, for our full temporary power offering, or visit us online at **www.leviton.com/temppower**.*