

Ground Fault Products

Features and Benefits

AUTOGUARD® Self Test Technology 1st introduced by Hubbell Over 10 Years Ago!
Self Test Monitoring Now Required in 2015 UL943 GFCI Safety Standard.

Hubbell Self Test GFCI Patented Technology

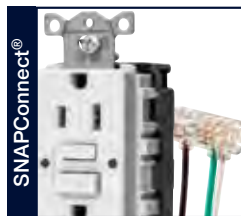
Hubbell AUTOGUARD® GFCI receptacles continually test and monitor for “people protection capability” automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. GFCI auto-monitoring is conducted continuously within every 30 seconds.

Also, clear visual indicators are provided on the device face representing power status, trip condition, ground fault condition and end of life status. In addition, for added safety, power will be denied to the receptacle face if reverse wiring of line and load was to occur.

UL (Underwriters Laboratory) now requires all manufacturers to provide self test monitoring capability effective June 29, 2015. When was the last time you tested a GFCI receptacle? Industry studies indicate only a very small number of installations are actually being tested as is recommended by the manufacturer and UL. This is the fundamental reason this revision has been incorporated into UL943 standard for 2015.



Each GFR must automatically monitor GFCI functionality periodically	If the unit can no longer provide GFCI protection, it must comply with the following	Reverse line and load miswire function – (repeated)
Automatically test within (5) seconds of power to line and load terminals; periodically means every (3) hours or less.	Deny Power (trip with the inability to reset); if unit does reset it is subject to the next auto-monitoring test cycle. Visual and/or audible indication that it no longer can provide protection.	If the line conductor is wired to the load terminal, power to the receptacle face will be denied. This includes both the initial installation and any subsequent reinstallations.



Features and Benefits

- **Patented AUTOGUARD® Technology** — Continuous Self Test functionality and disconnects power to receptacle if critical components are damaged and GFCI protection is lost
- **Federal Communications Commission Part 15** — Compliant for radiated and conducted emissions
- **Thermoplastic Nylon Housing** — High Impact and Ultraviolet Resistant construction provides resilience in harsh environments
- **Clear Visual Indication of GFR Status** — LED Indicating Lights:
 - Green LED (power to the device)
 - Red LED (trip condition/ground fault condition)
 - Flashing Red LED (end of life)
- **Internal Back Wiring Clamp and Guide Pocket** — Quick and dependable termination
- **Protection Against Line and Load Reversal** — No power to the face or downstream receptacles if device is miswired
- **Installation Ease, Lower Labor Cost** — With auto-grounding clip, captive mounting screws and single tab “breakoff” ears and full “breakoff” for OEM raised covers
- **Night Light Option** — Light sensor controls for automatic “ON/OFF” and custom dual lens for optimum light output



Fed. Spec.

Meets UL Standard 943
Class A GFCI

Features and Benefits

Extra Heavy Duty Industrial and Hospital Grade GFCI Receptacles Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester "V0" thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust
- Three indicators: power solid green, GF/trip solid red, end of life flashing red



AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant



Description	Rating	Color	Industrial	Industrial Hospital Grade
Extra Heavy Duty Industrial Ground Fault Receptacle 15A 125V Feed Through Tamper and Weather Resistant		Black	GF5262SGBK	GF8200SGBK
		Brown	GF5262SG	GF8200SG
		Gray	GF5262SGGY	GF8200SGGY
		Ivory	GF5262SGI	GF8200SGI
		Red	GF5262SGR	GF8200SGR
		White	GF5262SGW	GF8200SGW
		Yellow	GF5262SGYEL	-
Extra Heavy Duty Industrial Ground Fault Receptacle 20A 125V Feed Through Tamper and Weather Resistant		Black	GF5362SGBK	GF8300SGBK
		Brown	GF5362SG	GF8300SG
		Gray	GF5362SGGY	GF8300SGGY
		Ivory	GF5362SGI	GF8300SGI
		Red	GF5362SGR	GF8300SGR
		White	GF5362SGW	GF8300SGW
		Yellow	GF5362SGYEL	-

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability. Note – yellow version comes with SS plate only. See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

GFCI Receptacle Specifications per GFCI Products Listed (Pages L-3 to L-8)

Trip Level	4 to 6 mA.
Trip Time	.025 second nominal.
Frequency	60 Hz.
Voltage	120V AC +10% - 15% (102V to 132V).
Amperage	15A/20A, 20A Feed-Thru.
Maximum Interrupting Capacity	10,000A.
Operating Temperature	-35°C to 66°C or -30°F to 150°F.
Maximum Humidity	95%.
Dust Resistant	Meets UL 943, section 6.20 for resistance to dust contaminants
Corrosion Resistant	Meets UL 943, section 6.21 for resistance to corrosion
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Immunity to noise	Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified.
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



Meets UL Standard 943
Class A GFCI

Features and Benefits

Heavy Duty Commercial Weather Resistant GFCI Receptacles

- Patented AUTOGUARD® self test technology
- Meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Protects against line and load reversal, no power to the face or downstream if device is miswired



Weather Resistant

Rating	Color	Standard	Rating	Color	Standard
 15A 125V NEMA 5-15R UL CSA 0.5 HP	Black	GFWRST15BK	 20A 125V NEMA 5-20R UL CSA 1 HP	Black	GFWRST20BK
	Brown	GFWRST15		Brown	GFWRST20
	Gray	GFWRST15GY		Gray	GFWRST20GY
	Ivory	GFWRST15I		Ivory	GFWRST20I
	Light Almond	GFWRST15LA		Light Almond	GFWRST20LA
	Red	GFWRST15R		Red	GFWRST20R
White	GFWRST15W	White	GFWRST20W		

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Features and Benefits

UL 508 1.5HP GFCI Receptacles

Hubbell AUTOGUARD® GFR products continually test and monitor for “people protection capability” automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. Also, visual indicators are clearly provided on the device face representing “power status”, “trip condition”, “ground fault condition” and “end of life status”.

- Blank face 1.5 horsepower motor control rated switch UL508 listed. Also listed to Underwriters Laboratories standard 943 for Class A GFCI
- If wired incorrectly there will be no power to the face or to downstream receptacles for added safety. (2) LED indicators provide immediate status of power, trip condition and ability to provide GFCI protection
- In addition to providing Class A GFCI protection, the HP series includes a 1.5 HP rating for motor control switching per UL508



GFBFHP20GY

UL 508 1.5HP GFCI

Rating	Color	Standard
20A 125V 1.5 HP	Black	GFBFHP20BK
	Brown	GFBFHP20
	Gray	GFBFHP20GY
	Ivory	GFBFHP20I
	Light Almond	GFBFHP20LA
	Red	GFBFHP20R
White	GFBFHP20W	



Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

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