Protecting People From Electrical Shock Hazards

ArrowHart's complete offering of Ground Fault Circuit Interrupters (GFCIs) is built to meet every need in commercial, industrial and institutional settings, whether permanent or temporary – and is fully compliant with the latest UL943 standards for GFCIs



Hospital Specification Grade GFCIs
Designed for safety and reliability, Arrow Hart GFCI receptacles meet the strict standards of UL943 (GFCI) and UL498 (Hospital Grade Receptacle Standards). Plus, our broad line provides solutions including Tamper Resistant, ArrowLink Modular and NAFTA compliant versions.



Specification Grade GFCIs
Arrow Hart GFCI receptacles meet the stringent UL943 (GFCI) standards, plus our broad line provides solutions for commercial, industrial and institutional applications.

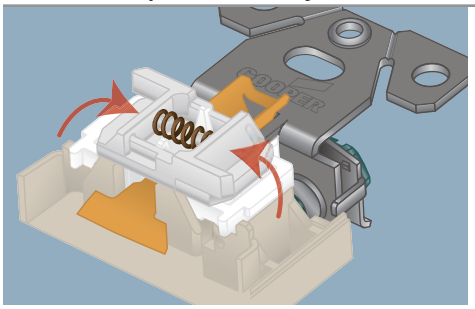


Industrial Grade Portable GFCIs
Specifically designed to protect personnel and equipment from ground fault hazards in indoor or outdoor job site applications.

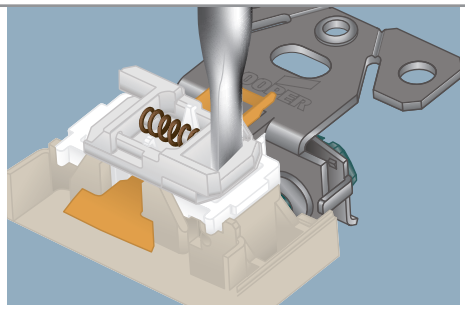


Tamper Resistant, Weather Resistant, and Tamper & Weather Resistant Receptacles

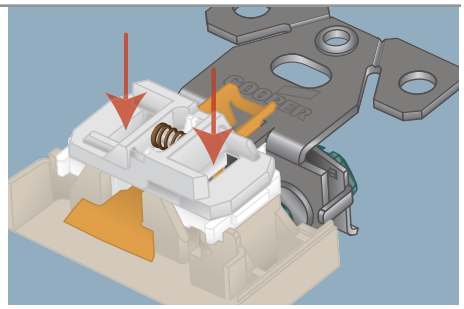
How the Tamper Resistant System Works:



Shutters restrict access in closed position.



Insertion of object in any one side will not open shutters.



Insertion of two-bladed plug or grounding plug will open shutters.

"TR" mold mark provides quick visual confirmation of tamper resistance when installed.

"WR" identifier quickly indicates during inspections that a weather resistant receptacle has been installed.



Both the "TR" mold mark and "WR" identifier are clearly visible in the finished installation, indicating double-layer protection for maximum safety.

A) Commercial Locations 2011 NEC
406.13 Guest Rooms & Guest Suites
406.14 Child Care Facilities
517.18 (C) Pediatric Locations

Receptacles located in these areas shall be listed under tamper resistant or employ a listed tamper resistant cover.

B) Dwelling Units
2011 NEC - 406.12

In all areas specified in 210.52 all 125-volt, 15- and 20-amp receptacles shall be listed tamper resistant receptacles.

C) Damp or Wet Locations
2011 NEC - 406.9

All 15- and 20-amp, 125- and 250-volt non-locking receptacles installed in wet or damp locations shall be weather resistant receptacles.

Build-To-Spec

For Receptacles, Switches, GFCIs & TVSS devices

Modified at the factory to improve efficiency and speed production at the job site. Arrow Hart's Build-To-Spec program provides customized device solutions to simplify your project and maximize your bottom line.

Sample Number:

VGF20W	PSOL	X	Z	G	P

- VGF20W: ARROW/HART™ Base Catalog Number (including device color)
- PSOL: Add 6" leads — PSOL = #12 AWG solid, PSTR = #12 AWG stranded
- X: Remove mounting screws
- Z: Remove ears
- G: Remove ground clip
- P: Add push-in connector**

Arrow Hart 20A 125V NEMA 5-20 white GFCI receptacle, with wire leads and push-in connectors, without mounting screws, ears, or grounding clip.



BUILD-TO-SPEC
CUSTOM CONFIGURED DEVICES
ARROW/HART

**For use with leaded receptacles only. Add "PSOL" to back of receptacle catalog number for 6" of #12 AWG solid or "PSTR" for 6" of #12 AWG stranded. (Example: VGF20W PSOL + Build to Spec Options).

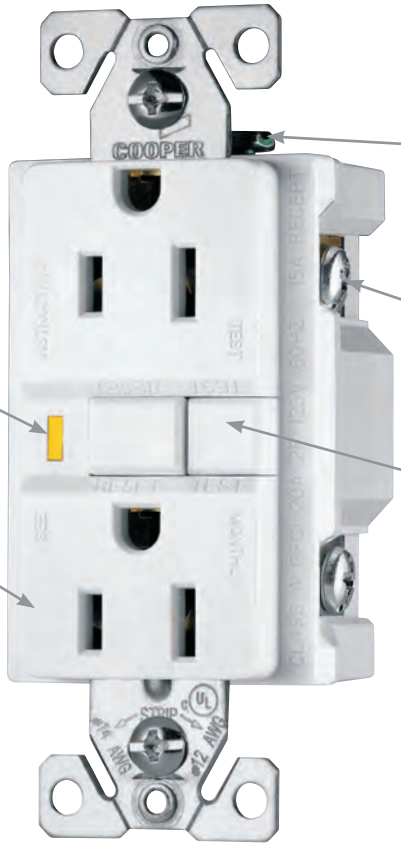
All receptacles are bulk packed 50 pieces per carton. Minimum order quantity is 100 pieces. Orders under 500 pieces ship within 5 days with larger quantities typically within 10 days.

ShockSentry™ GFCIs Provide State-of-the-Art, Dependable Electrical Shock Protection

In addition to being tested to the highest standards to help ensure safety, Arrow Hart GFCIs will deny power and prevent re-setting if the device is no longer able to provide safe, protected power

ShockSentry™ Ground Fault Circuit Interrupter

1. Meets and exceeds 10 ka Short Circuit Testing and Underwriters Laboratories (UL) 2006 UL943 Safety standards
2. Large visual indicator light gives quick notification of a tripped or "end of life" condition
3. Unbreakable nylon construction provides unsurpassed chemical and impact resistance



4. Ground termination with Back Wire clamp provides secure wiring and reduces installation time
5. Line side terminals are backed out and staked for fast installation
6. Horizontal Test/Reset button alignment provides larger unobstructed area

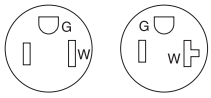
ShockSentry™ Ground Fault Circuit Interrupter

Additional Features & Benefits

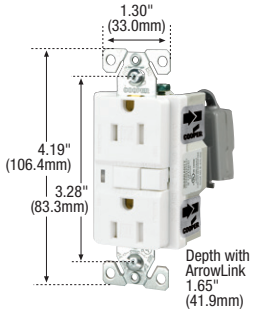
- Tapered Back Wire openings handle multiple wire sizes and types for applications up to #10 AWG solid or stranded wire
- When downstream receptacles are wired from load side, a 20 amp feed-through rating offers full protection
- Test and reset buttons are color matched to provide superior aesthetics
- Longer, wider "bridge" strap provides 40% more contact area with wallboard, virtually eliminating floating installations
- Exclusive built-in wire stripper provides fast stripping of wire without tools
- Line-load miswiring protection: ShockSentry GFCI's will not provide power downstream when wired incorrectly
- Tri-combo head terminal and mounting screws

Specification Grade Ground Fault Circuit Interrupter Receptacles

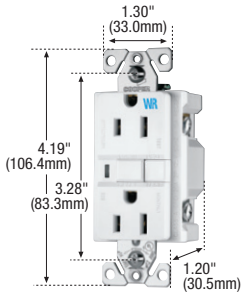
2-Pole, 3-Wire Grounding
15A, 125V/AC; 20A, 125V/AC
NEMA 5-15, 5-20



5-15R 5-20R



TRVGF15_M



WRVGF15

Tamper Resistant Specification Grade GFCIs

Rating A	V/AC	NEMA	Description	Color Suffix	Catalog No.			
15	125	5-15R	Duplex GFCI, Back & Side Wire	A, B, BK, GY, LA, V, W	☐ TRVGF15__	•	•	
			Duplex GFCI, Mid-Size Wallplate, Back & Side Wire	A, LA, V, W	☐ TRVGF15__-M			
			Duplex GFCI, Back & Side Wire	B, BK, GY, LA, RD, V, W	☐ TRVGF15F__	•	•	•
			Duplex GFCI with Nightlight, Back & Side Wire	A, BK, LA, V, W	☐ TRVGFNL15__	•	•	
20	125	5-20R	Duplex GFCI, Back & Side Wire	A, B, BK, GY, LA, RD, V, W	☐ TRVGF20__	•	•	
			Duplex GFCI, Back & Side Wire	B, BK, GY, LA, RD, V, W	☐ TRVGF20F__	•	•	•
			Duplex GFCI with Nightlight, Back & Side Wire	A, BK, LA, V, W	☐ TRVGFNL20__	•	•	

Weather Resistant Specification Grade GFCIs

Rating A	V/AC	NEMA	Description	Color Suffix	Catalog No.			
15	125	5-15R	Duplex GFCI, Back & Side Wire	B, GY, V, W	☐ WRVGF15__	•	•	
			Duplex GFCI, Back & Side Wire	B, GY, V, W	☐ WRVGF15F__	•	•	•
20	125	5-20R	Duplex GFCI, Back & Side Wire	B, BK, GY, V, W	☐ WRVGF20__	•	•	
			Duplex GFCI, Back & Side Wire	B, GY, V, W	☐ WRVGF20F__	•	•	•

Tamper & Weather Resistant Specification Grade GFCIs

Rating A	V/AC	NEMA	Description	Color Suffix	Catalog No.			
15	125	5-15R	Duplex GFCI, Back & Side Wire	B, GY, LA, V, W	☐ TWRVGF15__	•	•	
			Duplex GFCI, Back & Side Wire	B, GY, LA, V, W	☐ TWRVGF15F__	•		•
20	125	5-20R	Duplex GFCI, Back & Side Wire	B, GY, LA, V, W	☐ TWRVGF20__	•	•	
			Duplex GFCI, Back & Side Wire	B, GY, LA, V, W	☐ TWRVGF20F__	•		•

Includes standard size unbreakable wallplate unless otherwise noted
Consult factory customer service representative for additional packaging options

Color Ordering Information:
For ordering devices, include Catalog No. followed by the Color Suffix: A (Almond), B (Brown), BK (Black), GY (Gray), LA (Light Almond), RD (Red), V (Ivory), W (White)

A	B	BK	GY	LA	RD	V	W
(Almond)	(Brown)	(Black)	(Gray)	(Lt. Almond)	(Red)	(Ivory)	(White)

Specification Information: Specification Grade GFCI: I-16, I-17
Specifications and availability are subject to change without notice.

ArrowLink™ option available. Add "M" suffix to Standard catalog number (example VGF15W, VGF15WM). For ordering information on ArrowLink & ArrowLink SPD connectors, see Page I-4

Tamper Resistant

Weather Resistant

Build-To-Spec Customizable Devices - Page I-3

Indicates NAFTA Compliant - Page R-30

Tamper & Weather Resistant

Specification Grade Ground Fault Circuit Interrupter Receptacles

2-Pole, 3-Wire Grounding
15A, 125V/AC; 20A, 125V/AC; NEMA 5-15, 5-20

		Device Type	Specification Grade GFCI 15A & 20A VGF and VGF__F Series, VGF___-AG* ArrowLink: MCR125_, MCR250_, MCR300_ Series	Specification Grade Tamper Resistant & Weather Resistant Duplex GFCI 15A & 20A; TRVGF, TRVGF__F, WRVGF, TWRVGF Series, TRVGF___-AG ArrowLink: MCR125_, MCR250_, MCR300_ Series
Wiring Type		Base Device	Back & Side Wire	Back & Side Wire
		ArrowLink	Integral wire leads, crimped & resistance welded	Integral wire leads, crimped & resistance welded
		ArrowLink SPD	Back Wire feed through	Back Wire feed through
Testing & Code Compliance		Base Device	• cULus Listed to UL498 and UL943, file no. E60120 • Meets all UL943 (GFCI), UL498 (Receptacles) and applicable CSA requirements • NOM certified	• cULus Listed to UL498 and UL943, file no. E60120 • Meets all UL943 (GFCI), UL498 (Receptacles) and applicable CSA requirements • NOM certified
		ArrowLink	• Plug & connector cULus Listed to UL2459, file no. E325188	• Plug & connector cULus Listed to UL2459, file no. E325188
		Combined	• cULus Listed wiring assembly, UL file no. E326691	• cULus Listed wiring assembly, UL file no. E326691
Specifications: Environmental	Base Device	Flammability	Meets UL94 requirements; V2 rated	Meets UL94 requirements; V2 rated
		Temperature Rating	-35°C to 66°C (-31°F to 150.8°F)	-35°C to 66°C (-31°F to 150.8°F)
	Arrow-Link	Flammability	Meets UL94 requirements; V2 rated	Meets UL94 requirements; V2 rated
		Temperature Rating	-35°C to 66°C (-31°F to 150.8°F)	-35°C to 66°C (-31°F to 150.8°F)
Specifications: Electrical	Base Device	Dielectric Voltage	Withstands 2000V per UL498	Voltage: withstands 2000V per UL498
		Current Interrupting	Yes, at full-rated current	Yes, at full-rated current
		Temperature Rise	Temperature Rise: max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)	Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)
		Trip Time	0.025 seconds (Class A)	0.025 seconds (Class A)
		Frequency	60 Hz; Voltage: 125V; Amperage: 15A/20A 20A Feed Through	60 Hz; Voltage: 125V; Amperage: 15A/20A 20A Feed Through
		Short Circuit Testing	Meets and exceeds 10 kA	Meets and exceeds 10 kA
		Maximum Interrupting Capacity	20 Amps	20 Amps
	ArrowLink	Max. Working Voltage	300V/AC	300V/AC
		Max. Continuous Current	20A	20A
		Overload	52.5A/AC for 10 cycles	52.5A/AC for 10 cycles
		Dielectric Voltage	Withstands 1600V per UL2459	Withstands 1600V per UL2459
		Current Interrupting	Limited cycles at full-rated current	Limited cycles at full-rated current
		Temperature Rise	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC	Max. 50°C (122°F) while conducting 35A after 10 cycles of overload @ 52.5A/AC
Specifications: Mechanical		Base Device Terminal Accommodation	#14 - #10 AWG	#14 - #10 AWG
		ArrowLink Wire Leads	#12 AWG	#12 AWG
		ArrowLink SPD Screw Terminals	Accepts #12-#14 stranded and solid wire	Accepts #12-#14 stranded and solid wire
		ArrowLink SPD Ground	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw	Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw
		Voltage Ratings	Permanently marked on device	Permanently marked on device
Specifications: Screw Terminal Guards		ArrowLink Models Only	Material: UL recognized insulating material Dielectric Strength: 2,000V min HWI Rating: 4 min. Relative temperature index, electrical: 80°C (176°F) Flammability: V0 (UL94)	Material: UL recognized insulating material Dielectric Strength: 2,000V min HWI Rating: 4 min. Relative temperature index, electrical: 80°C (176°F) Flammability: V0 (UL94)
Materials:	Base Device	Top Housing	Nylon	Nylon
		Bottom Housing	PVC	PVC
		Strap	0.040" thick steel, zinc plated	0.040" thick steel, zinc plated; WR & TWR: nickel-plated
		Line Contacts	0.030" thick brass	0.030" thick brass
		Terminal & Ground Screws	#8-32 steel, brass plated; neutral screw nickel plated, ground screw green	Terminal: Brass/nickel-plated steel; WR & TWR brass/nickel-plated stainless steel; Ground: ground screw green on all models, WR and TWR stainless steel
		Terminal Clamps	0.070" thick steel	Brass-plated steel; WR & TWR nickel-plated steel
	Arrow-Link	Housing	Polycarbonate	Polycarbonate
		Contacts	Copper alloy	Copper alloy
		Wire Leads	Solid or stranded THHN #12 AWG	Solid or stranded THHN #12 AWG
	Arrow-Link SPD	Housing	Polycarbonate	Polycarbonate
		Contacts	Copper alloy	Copper alloy

*VGF___-AG not available with ArrowLink

	Device Type	Specification Grade GFCI w/ Nightlight, TRVGFNL_
	Wiring Type	Back & Side Wire
	Testing & Code Compliance	• cULus Listed to UL498 and UL943, file no. E60120
		• Meets all UL943 (GFCI), UL498 (Receptacles) and applicable CSA requirements
Specifications: Environmental	Flammability	Meets UL94 requirements; V2 rated
	Temperature Rating	-35°C to 66°C (-31°F to 150.8°F)
Specifications: Electrical	Dielectric Voltage	Voltage: withstands 2000V per UL498
	Current Interrupting	Yes, at full-rated current
	Temperature Rise	Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)
	Trip Time	0.025 seconds (Class A)
	Frequency	60 Hz; Voltage: 125V; Amperage: 15A/20A 20A Feed Through
	Short Circuit Testing	Meets and exceeds 10 kA
	Maximum Interrupting Capacity	20 Amps
Specifications: Mechanical	Base Device Terminal Accommodation	#14 - #10 AWG
	Voltage Ratings	Permanently marked on device
Materials:	Top Housing	Thermoplastic, nylon
	Lens	Thermoplastic, PC
	Bottom Housing	Polycarbonate
	Strap	0.047" thick steel, zinc plated
	Line Contacts	0.030" thick brass
	Terminal & Ground Screws	#8-32 steel, brass plated; neutral screw #8-32 steel, zinc plated, ground screw green
	Illumination	4 LED's, 140 Max lumens output, 1Fc @ 0.9 ft. 50,000 hours lamp life

Specification Grade Ground Fault Circuit Interrupters

2-Pole, 3-Wire Grounding
Combo: 15A, 125V/AC Receptacle: 15A, 120V/AC Switch
Dead Front: 20A, 125V/AC

	Device Type	Specification Grade Combination GFCI Receptacle & Switch, 15A: VGFS15, ___-MSP	Specification Grade Blank Face (Dead-Front) GFCI, 20A: VGFD20 Series
	Wiring Type	Back & side wire	Back & side wire
	Testing & Code Compliance	• cULus Listed to UL498 and UL943, file no. E60120	• cULus Listed to UL498 and UL943, file no. E60120
		• Meets all UL943 (GFCI), UL498 (Receptacles), UL20 (Switch) and applicable CSA requirements	• Meets all UL943 (GFCI), UL498 (Receptacles), UL508 (Motor Control) and applicable CSA requirements
		• NOM certified	• NOM certified
Specifications: Environmental	Flammability	Meets UL94 requirements; V2 rated	Meets UL94 requirements; V2 rated
	Temperature Rating	-35°C to 66°C (-40°F to 150.8°F)	-35°C to 66°C (-40°F to 150.8°F)
Specifications: Electrical	Dielectric Voltage	Withstands 2000V per UL498	Withstands 2000V per UL498
	Current Interrupting	Yes, at full-rated current	Yes, at full-rated current
	Temperature Rise	Max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC)	N/A
	Short Circuit Testing	Meets and exceeds 10 kA	Meets and exceeds 10 kA
Specifications: Mechanical	Terminal Accommodation	#14 - #10 AWG	#14 - #10 AWG
	Voltage Ratings	Permanently marked on device	Permanently marked on device
	Horsepower Ratings	Switch rated for motor loads per UL20: 15A: @ 120V/AC = 1/2 HP, max. amps: 12 full-load amps	Rated for motor loads per UL508: 20A: @ 125V/AC = 1.5 HP, max. amps 20 full load amps
Materials:	Top Housing	Nylon	Nylon
	Bottom Housing	PVC	PVC
	Strap	0.040" thick steel, zinc plated	0.040" thick steel, zinc plated
	Line Contacts	0.030" thick brass	N/A
	Terminal & Ground Screws	#8-32 steel, brass plated; neutral screw nickel plated, ground screw green	#8-32 steel, brass plated; neutral screw nickel plated, ground screw green
	Terminal Clamps	0.070" thick steel	0.070" thick steel