

GFCI

J

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Hospital grade and commercial specification grade Ground Fault Circuit Interrupters (GFCIs) from Cooper Wiring Devices are simply the most innovative, well-built products of their kind available today. Our patented correct wiring/trip indicator light provides a unique safety standard that was commended by the U.S. Consumer Product Safety Commission. But that's just one of the time- and labor-saving features that distinguish this exceptional line of life-saving products. Other features that provide fast, easy installation, include: wide-open ground screw access, extra-long mounting straps, eight large backwiring holes, and the lowest dimensional profile in the industry.

Built to the highest possible standards, there's a high-performance Cooper Wiring Devices GFCI to match any residential, commercial, industrial or institutional application.



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J-Intro-1
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Ground Fault Circuit Interrupters

Cooper Wiring Devices complete line of Ground Fault Circuit Interrupters (GFCIs) is built to meet every need of residential, commercial, industrial and institutional settings. Designed and manufactured to the highest standard, these units contain several unique advantages. Each device features:

- ▲ Test/Reset lock-out function protects from miswired line-load connections and signals GFCI circuitry damage due to disabling voltage surge spikes.
- ▲ Indicator light provides quick visual reference of a tripped condition.
- ▲ Eight backwiring holes (2 per termination) accept up to #10 AWG solid or stranded wire — provides maximum feed-through flexibility.
- ▲ Unobtrusive appearance blends perfectly in high-visibility locations such as kitchens and baths, with a low-luster, easy-to-clean surface.
- ▲ Wide-open ground screw access — including backwiring clamp — makes for fast, struggle-free installation.
- ▲ Longest possible mounting strap, for secure installation to less-than-ideal wallboard cutouts.
- ▲ Highly chemical and impact-resistant thermoplastic face and body.

New Safety Features

Underwriters Laboratory (UL) recently issued changes to its standard 943, the section containing GFCI testing requirements. Since January 1, 2003 all UL-listed GFCI's are manufactured meeting several key new performance and self-diagnostic test elements:

- 1 A reversed line-load function that effectively prevents the GFCI from functioning or providing power if miswired.
- 2 Increased voltage surge immunity.
- 3 Increased levels of corrosion and moisture resistance.
- 4 Increased immunity from radio frequency interference.
- 5 An operating mechanism test, to verify that proper operation of the GFCI cannot be prevented by manipulation of the GFCI controls.
- 6 An abnormal over-voltage test to better protect the GFCI from becoming a fire or shock hazard during catastrophic over-voltage conditions.

Why the changes are important

Improper Wiring

It's long been proven that GFCI's perform a vital life-saving function.

However, a miswired GFCI could result in the user believing they had GFCI protection when indeed they did not — a device that had its line and load wires reversed didn't prevent the unit from still sounding as though it had "tripped" when the TEST button was pushed.

Now, a GFCI can tell when it is miswired and prevent the unit from being reset after a TEST is performed.

Power Line Surges

GFCI's have electronic circuitry that has always been afforded a good level of built-in surge protection. But the cumulative effects of long-term power quality issues (especially in areas with frequent lightning storms) can degrade a GFCI.

The new standard's added level of surge-withstand protection will help sustain their length of service.

Outdoor Locations

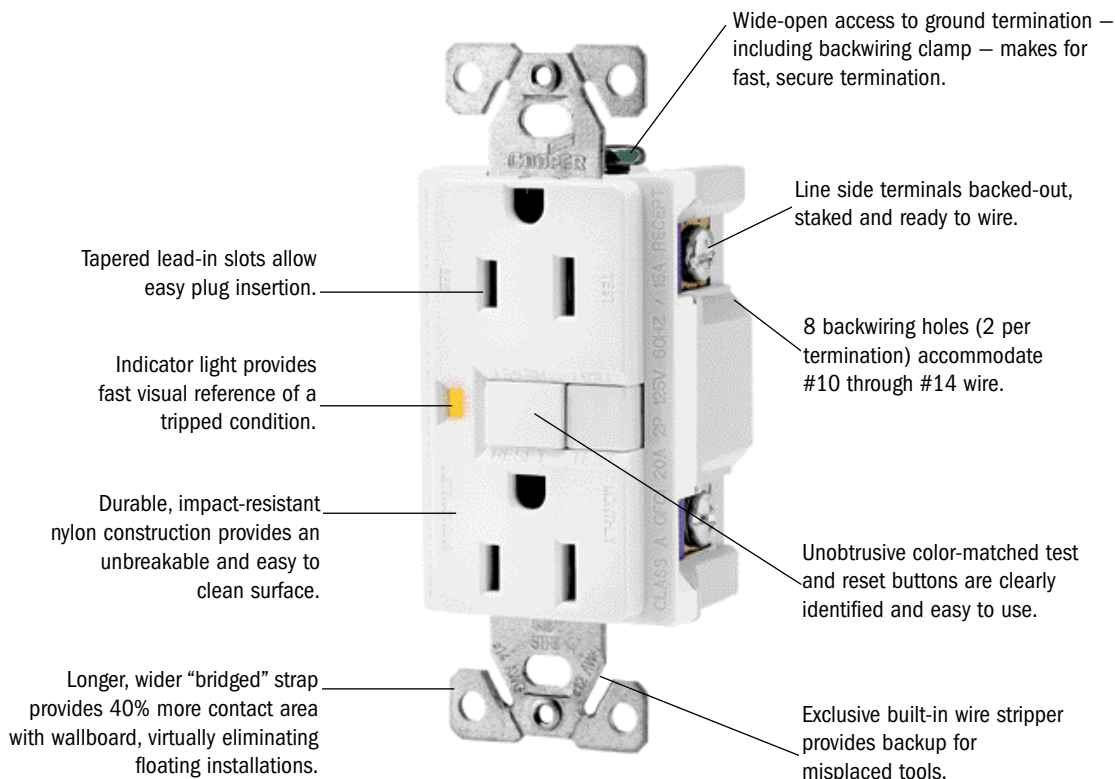
As the **National Electric Code (NEC)** steadily expanded its requirements for outdoor GFCI protection, many units are now situated directly in locations with high exposure to damaging moisture and corrosion. **GFCI's are best located indoors – with their protective feature fed-through to any standard outlets requiring the GFCI's protection outdoors.** Instances are found of GFCI failures from improperly installed weather-protective assemblies, due to:

- A. Uneven mounting surfaces
- B. Inadequate (or missing) gaskets and caulk
- C. Units being located near rain gutter downspouts, sprinkler locations or heavy rain/sleet/snow exposure.

Higher test levels of moisture and corrosion resistance have been added to the new standard.

While this will add life to a device that's poorly situated or weather-protected, no GFCI can be completely waterproofed and maintain its functionality for long in such conditions. It is hoped that this change, and continuing efforts to alert installers to the correct method of locating GFCI's, will further contribute to electrical safety.

Features and Benefits



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J-1
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Hospital Grade Ground Fault Circuit Interrupters

2 Pole, 3 Wire Grounding
20A Feed-Through Rating
15A 125V
20A 125V

Hospital Grade GFCI

FEATURES

- Meets or exceeds all latest UL943 (3rd edition) Class A GFCI, UL498 Hospital Grade requirements.
- Reset button lock-out function protects from miswired line-load connections and GFCI circuitry damage due to disabling voltage surge spikes.
- Indicator light provides quick visual reference of a tripped condition.
- Ground screw backwiring clamp for fast, secure termination.
- 20 amp feed-through rating allows full protection of downstream receptacles when wired from load side.
- 8 separate backwiring holes accept up to #10 AWG stranded wire, for maximum flexibility.
- Durable, impact-resistant thermoplastic construction.
- Line terminal screws are backed out, staked, ready to wire; load side terminals torqued down for increased prevention of miswiring.
- Device and wallplate mounting screws are captive, speeding installation time.
- Low overall dimensions makes for more room to wire in "crowded box" situations.
- Longest possible mounting strap helps assure secure, easy mounting.
- Color-matched and recessed Test & Reset buttons provide uniform appearance.
- Matching thermoplastic wallplate included.



XHGF15

Back and Side Wire with Standard Size Unbreakable Wallplate

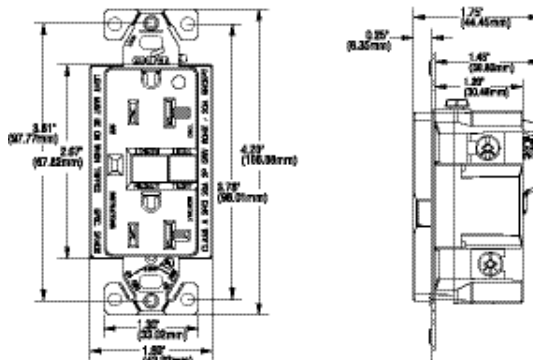
Rating					
A	V/AC	NEMA	Description	Color	Catalog No.
15	125	5-15R	Duplex Receptacle	Brown	XHGF15B
				Gray	XHGF15GY
				Ivory	XHGF15V
				Red	XHGF15RD
				White	XHGF15W
20	125	5-20R	Duplex Receptacle	Brown	XHGF20B
				Gray	XHGF20GY
				Ivory	XHGF20V
				Red	XHGF20RD
				White	XHGF20W

TESTING & CODE COMPLIANCE

- cULus Listed (file no. E60120). Meets all UL943 (GFCI) and U498 (Receptacles) requirements.
- Meets all UL498 Hospital Grade requirements.
- NOM Certified

MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.
Temperature Rating:
-35°C to 66°C.



5-15R



5-20R

Commercial Specification Grade Ground Fault Circuit Interrupters

2 Pole, 3 Wire Grounding
20A Feed-Through Rating
15A 125V
20A 125V



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J-2
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Commercial Specification Grade GFCI

FEATURES

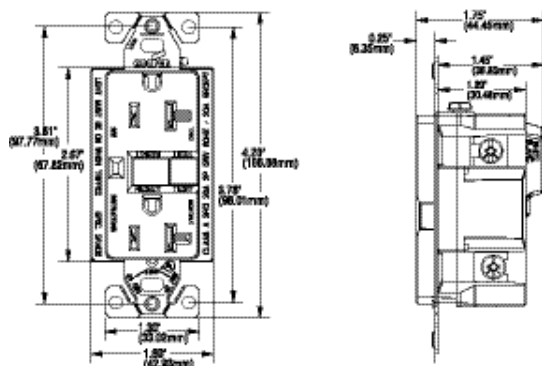
- Meets or exceeds all latest UL943 (3rd edition) Class A GFCI, UL498 requirements.
- Reset button lock-out function protects from miswired line-load connections and GFCI circuitry damage due to disabling voltage surge spikes.
- Indicator light provides quick visual reference of a tripped condition.
- Ground screw backwiring clamp for fast, secure termination.
- 20 amp feed-through rating allows full protection of downstream receptacles when wired from load side.
- 8 separate backwiring holes accept up to #10 AWG stranded wire, for maximum flexibility.
- Durable, impact-resistant thermoplastic construction.
- Line terminal screws are backed out, staked, ready to wire; load side terminals torqued down for increased prevention of miswiring.
- Device and wallplate mounting screws are captive, speeding installation time.
- Low overall dimensions makes for more room to wire in “crowded box” situations.
- Longest possible mounting strap helps assure secure, easy mounting.
- Color-matched and recessed Test & Reset buttons provide uniform appearance.
- Matching thermoplastic wallplate included.

Back and Side Wire with Unbreakable Wallplate

Rating					Catalog No.	
A	V/AC	NEMA	Description	Color	W/Std Plate	W/Midi Plate
15	125	5-15R	GFCI Receptacle	Almond	XGF15A	XGF15A-M
				Black	XGF15BK	—
				Brown	XGF15B	—
				Gray	XGF15GY	—
				Ivory	XGF15V	XGF15V-M
				Light Almond	XGF15LA	XGF15LA-M
				White	XGF15W	XGF15W-M
20	125	5-20R	GFCI Receptacle	Almond	XGF20A	—
				Black	XGF20BK	—
				Brown	XGF20B	—
				Gray	XGF20GY	—
				Ivory	XGF20V	—
				Light Almond	XGF20LA	—
				White	XGF20W	—



XGF15



COOPER Wiring Devices



5-15R



5-20R

TESTING & CODE COMPLIANCE

- cULus Listed (file no. E60120). Meets all UL943 (GFCI) and UL498 (Receptacles) requirements. Meets all UL498 Hospital Grade requirements.
- NOM Certified

MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated. Temperature Rating: -35°C to 66°C.



Commercial Specification Grade Ground Fault Circuit Interrupters

2 Pole, 3 Wire Grounding
20A Feed-Through Rating
1-1/2 HP Motor Control
Switch
20A 125V

Commercial Specification Grade GFCI

FEATURES

- Meets or exceeds all latest UL943 (3rd edition) Class A GFCI, UL498 requirements and UL508 for motor control switch horsepower rating..
- Reset button lock-out function protects from miswired line-load connections and GFCI circuitry damage due to disabling voltage surge spikes.
- Indicator light provides quick visual reference of a tripped condition.
- Ground screw backwiring clamp for fast, secure termination.
- Rated as 1-1/2 HP motor control switch.
- 20 amp feed-through rating allows full protection of downstream receptacles when wired from load side.
- 8 separate backwiring holes accept up to #10 AWG stranded wire, for maximum flexibility.
- Durable, impact-resistant thermoplastic construction.
- Line terminal screws are backed out, staked, ready to wire; load side terminals torqued down for increased prevention of miswiring.
- Device and wallplate mounting screws are captive, speeding installation time.
- Low overall dimensions makes for more room to wire in "crowded box" situations.
- Longest possible mounting strap helps assure secure, easy mounting.
- Color-matched and recessed Test & Reset buttons provide uniform appearance.
- Matching thermoplastic wallplate included.

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J-3
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XDGF20

Blank Face - Back and Side Wire

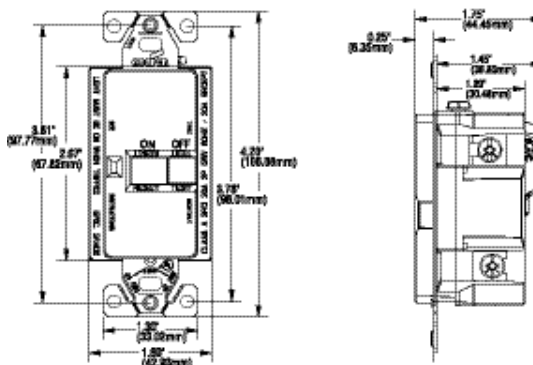
Rating A	V/AC	Description	Color	Catalog No.
20	125	Blank Face	Almond	XDGF20A
			Black	XDGF20BK
			Ivory	XDGF20V
			White	XDGF20W

TESTING & CODE COMPLIANCE

- cULus Listed (file no. E60120). Meets all UL943 (GFCI), UL498 Receptacles), UL508 (Motor Control) requirements. Meets all UL498 Hospital Grade requirements.
- NOM Certified

MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.
Temperature Rating:
-35°C to 66°C.



Single-Gang Combination Switch/GFCI-Protected Receptacle

2 Pole,
3 Wire Grounding
15A 125V
20A Feed-Through Rating



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J-4
GFCI

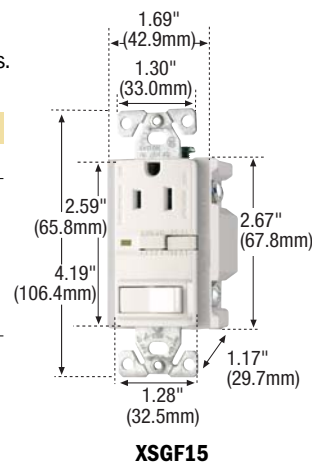
Single-Gang Combination Switch/GFCI-Protected Receptacle

FEATURES

- Patented correct wiring/trip indicator light visibly signals proper line-to-load connections — assures error-free installation.
- 15A -120V SP switch handles motor loads of up to 12 full-load amps.
- Longer, wider "bridged" strap provides 40% more contact area with wallboard, virtually eliminating floating installations.
- 20 amp feed-through allows full protection of downstream receptacles when wired from load side.
- 8 separate backwiring holes accept up to #10 AWG stranded wire, for maximum flexibility.
- Durable, impact-resistant thermoplastic construction.
- Line terminal screws are backed out, staked, ready to wire; load side terminals torqued down for increased prevention of miswiring.
- Device and wallplate mounting screws are captive, speeding installation time.
- Low overall dimensions makes for more room to wire in "crowded box" situations.
- Color-matched and recessed Test & Reset buttons provide uniform appearance.
- Exclusive built-in wire stripper, provides backup for misplaced tools.
- Mid-size wallplate covers gaps from "less-than-perfect" wallboard cut-outs.
- Trip threshold (5ma+/-1ma) and response time (0.025 sec.) meets Class A requirements.

Combination Single GFCI with SP Switch

Rating	V/AC	Color	Catalog No.
GFCI: 15A at face; 20A feed-through	125	Almond	XSGF15A-MSP
Switch: 15A – 1800W @ 120V,	60Hz	Ivory	XSGF15V-MSP
60Hz AC only		Light Almond	XSGF15LA-MSP
for motor loads of maximum		White	XSGF15W-MSP
12 full-load amps not to exceed 1/2 HP			



TESTING & CODE COMPLIANCE

- UL Listed (file no. E60120) Meets all UL943 (GFCI), UL498 (Receptacles) and UL20 (Switch) requirements
- Meets all CSA requirements, C22.2 no. 144, no.42 and no. 111, CSA Certified, (file no. 54331 (1451-01))
- NOM Certified.

MATERIAL CHARACTERISTICS

Meets flammability requirements per UL94, V2 rated.
Temperature Rating: -35°C to 66°C.



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J-5
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Portable GFCI

2 Pole, 3 Wire Grounding
15A 120V
20A 120V
30A 120V

Portable GFCI

FEATURES

- Heavy-duty, impact resistant high visibility yellow thermoplastic housings for long life in abusive environments.
- In-line devices employ green LED signaling power ON, for quick visual check. Right angle units employ red mechanical trip indicator.
- Ideal for construction site, industrial plant, agricultural process and all equipment service applications.
- Meets all OSHA and NEC® job site regulations to provide for open-neutral personnel protection.
- Manual reset best specified for power tool applications, to prevent unexpected start-up after power interruption.
- Automatic reset preferred for unattended operations, such as spas and freezers.
- Custom cord lengths, in-line placement, watertight and/or IEC connectors may be ordered - consult factory.

In-Line Series - Manual Reset

Rating A	V/AC	NEMA	Plug/ Connector Style	Cord Length	Cord Gauge	Catalog No.
15	120	5-15	Autogrip	2' (0.61m)	14/3 AWG	GFP201I
			Autogrip-Black	2' (0.61m)	14/3 AWG	GFP201I-B
			Molded	2' (0.61m)	14/3 AWG	GFP201M
			Tri-Tap	2' (0.61m)	12/3 AWG	GFP201T
			Watertight	2' (0.61m)	14/3 AWG	GFP201W
			Autogrip	6' (1.83m)	14/3 AWG	GFP202I
		L5-15	Molded	6' (1.83m)	14/3 AWG	GFP202M
			Autogrip	25' (7.62m)	14/3 AWG	GFP203I
			Molded	25' (7.62m)	14/3 AWG	GFP203M
			Autogrip	50' (15.24m)	14/3 AWG	GFP204I
			Molded	50' (15.24m)	14/3 AWG	GFP204M
			Autogrip-Locking	2' (0.61m)	12/3 AWG	GFP210L
20	120	5-20	Autogrip	2' (0.61m)	12/3 AWG	GFP221I
			Molded	2' (0.61m)	12/3 AWG	GFP221M
			Autogrip	6' (1.83m)	12/3 AWG	GFP222I
			Autogrip	25' (7.62m)	12/3 AWG	GFP223I
		L5-20	Autogrip-Locking	2' (0.61m)	12/3 AWG	GFP226I
30	120	L5-30	Autogrip-Locking	2' (0.61m)	10/3 AWG	GFP231I
			Watertight-Locking	2' (0.61m)	10/3 AWG	GFP231W
			Autogrip-Locking	6' (1.83m)	10/3 AWG	GFP232I
			Watertight-Locking	6' (1.83m)	10/3 AWG	GFP232W
			Autogrip-Locking	25' (7.62m)	10/3 AWG	GFP233I
			Watertight-Locking	25' (7.62m)	10/3 AWG	GFP233W



GFP201T



GFP231I

TESTING & CODE COMPLIANCE

- UL Listed to UL943, (file no. E47921)
- CSA Certified to C22.2 no.1451 (file no. 68658)

MATERIAL CHARACTERISTICS

Environmental:
Flammability per
UL94 requirements, V2
rated.

Temperature Rating:
-35°C to 66°C.



5-15R



L5-15R



5-20R



L5-20R



L5-30R



5-15P



L5-15P



5-20P



L5-20P



L5-30P

Portable GFCI

2 Pole, 3 Wire Grounding
15A 120V
20A 120V



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J-6
GFCI

Portable GFCI

FEATURES

- Heavy-duty, impact resistant high visibility yellow thermoplastic housings for long life in abusive environments.
- In-line devices employ green LED signaling power ON, for quick visual check. Right angle units employ red mechanical trip indicator.
- Ideal for construction site, industrial plant, agricultural process and all equipment service applications.
- Meets all OSHA and NEC® job site regulations to provide for open-neutral personnel protection.
- Manual reset best specified for power tool applications, to prevent unexpected start-up after power interruption.
- Automatic reset preferred for unattended operations, such as spas and freezers.
- Custom cord lengths, in-line placement, watertight and/or IEC connectors may be ordered – consult factory.

Right Angle Series – Manual Reset

Rating A	V/AC	NEMA	Plug/ Connector Style	Cord Length	Cord Gauge	Catalog No.
15	120	5-15R	Autogrip	2' (0.61m)	14/3 AWG	GFP101I
			Molded	2' (0.61m)	14/3 AWG	GFP101M
			Tri-Tap	2' (0.61m)	12/3 AWG	GFP101T
			Autogrip	6' (1.83m)	14/3 AWG	GFP102I
			Molded	6' (1.83m)	14/3 AWG	GFP102M
			Autogrip	25' (7.62m)	14/3 AWG	GFP103I
			Molded	25' (7.62m)	14/3 AWG	GFP103M
			Autogrip	50' (15.24m)	14/3 AWG	GFP104I
			Molded	50' (15.24m)	14/3 AWG	GFP104M



GFP101M

In-Line Series – Automatic Reset – Black Housings

Rating A	V/AC	NEMA	Plug/ Connector Style	Cord Length	Cord Gauge	Catalog No.
15	120	5-15	Molded	2' (0.61m)	14/3 AWG	GFP201M-A
				6' (1.83m)	14/3 AWG	GFP202M-A
				25' (7.62m)	14/3 AWG	GFP203M-A
			Tri-Tap	2' (0.61m)	12/3 AWG	GFP201T-A
20	120	5-20	Molded	2' (0.61m)	12/3 AWG	GFP221M-A



GFP201M



5-15R



5-15P



5-20R



5-20P



L5-30R



L5-30P

TESTING & CODE COMPLIANCE

- UL Listed to UL943, (file no. E47921)
- CSA Certified to C22.2 no.1451 (file no. 68658)

MATERIAL CHARACTERISTICS

Environmental:
Flammability per UL94 requirements, V2 rated.
Temperature Rating:
-35°C to 66°C.



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J-7
GFCI



Portable GFCI

2 Pole, 3 Wire Grounding
15A 120V, 20A 120V
20A 120/240V

Portable GFCI

FEATURES

- Heavy-duty, impact resistant high visibility yellow thermoplastic housings for long life in abusive environments.
- In-line devices employ green LED signaling power ON, for quick visual check. Right angle units employ red mechanical trip indicator.
- Ideal for construction site, industrial plant, agricultural process and all equipment service applications.
- Meets all OSHA and NEC® job site regulations to provide for open-neutral personnel protection.
- Manual reset best specified for power tool applications, to prevent unexpected start-up after power interruption.
- Automatic reset preferred for unattended operations, such as spas and freezers.
- Custom cord lengths, in-line placement, watertight and/or IEC connectors may be ordered — consult factory.

Quad Box Series — Manual Reset

Rating A	V/AC	NEMA	Plug/ Connector Style	Cord Length	Cord Gauge	Catalog No.
15	120	5-15	4 Outlet/ Right Angle Unit	2' (0.61m)	12/3 AWG	GFP301
				6' (1.83m)	12/3 AWG	GFP302
				25' (7.62m)	12/3 AWG	GFP303
				50' (15.24m)	12/3 AWG	GFP304
20	120	5-20	4 Outlet/ In-Line Unit	2' (0.61m)	12/3 AWG	GFP321
				6' (1.83m)	12/3 AWG	GFP322
				25' (7.62m)	12/3 AWG	GFP323
				50' (15.24m)	12/3 AWG	GFP324



GFP302



GFP200-B

User Attachable OEM Unit — Manual Reset

Rating A	V/AC	NEMA	Description	Accepts Cord Gauge	Catalog No.
15	120	5-15	Right Angle Unit	12-18 AWG	GFP100
20	120/240	5-20/6-20	In-Line Unit	12-18 AWG	GFP200
			In-Line Unit - Black	12-18 AWG	GFP200-B



GFP400

Plug-In Portable Adapters, with Surge Protection — Manual Reset

Rating A	V/AC	NEMA	Description	Catalog No.
15	120	5-15	Single Outlet Adapter	GFP400
			Three Outlet Adapter	GFP410

TESTING & CODE COMPLIANCE

- UL Listed to UL943, (file no. E47921)
- CSA Certified to C22.2 no.1451 (file no. 68658)

MATERIAL CHARACTERISTICS

Environmental:
Flammability per
UL94 requirements,
V2 rated.
Temperature Rating:
-35°C to 66°C.



5-15R



5-15P



5-20R



5-20P



6-20R