



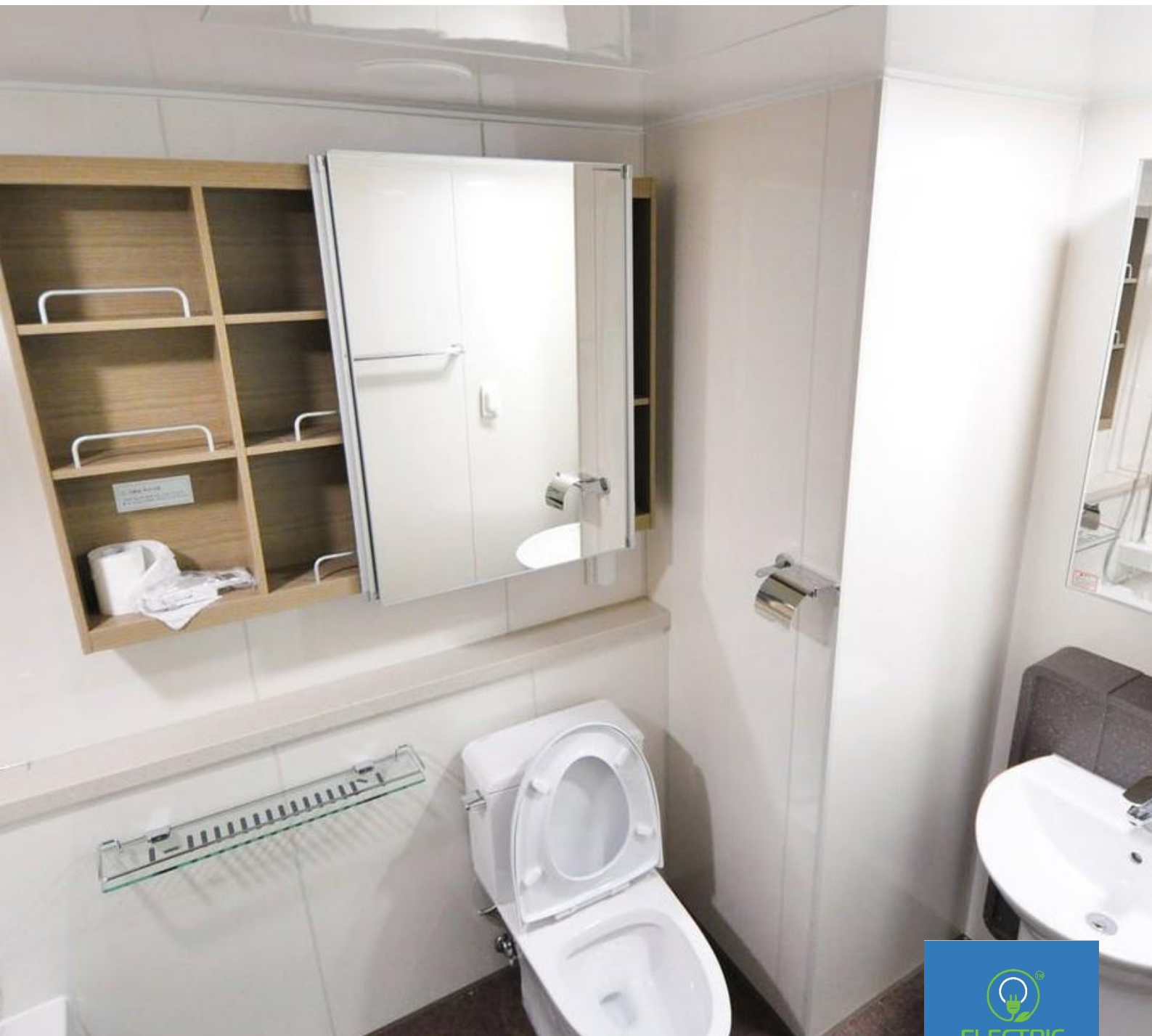
# GFCI Receptacle



with Self-Test function



These GFCI protective devices meet and / or exceed UL 943 requirements for End of Life and Auto-monitor function. The GFCI conducts an automatic test to determine continued GFCI protection. In an event that the GFCI can no longer provide ground fault protection, the GFCI will automatically interrupt power and/or provide visual indication of impairment, requiring replacement of the protective device.



## Applications

- **Residential** – Kitchens, bathrooms, garages, basements, laundry rooms, wet sinks and other wet locations around the house
- **Educational Facilities** – Classrooms, restrooms, laboratories, dormitories and kitchens
- **Airports** – Public bathrooms, general-use and maintenance areas
- **Restaurants, Lodging and Retail Malls** – Public bathrooms, general-use and maintenance areas
- **Commercial Offices** – Bathrooms, basement areas, hallways and kitchen facilities
- **Public Areas** – Wherever receptacles are located near wet or damp locations



## Features and Benefits

- GFCI detects ground fault and trips to provide protection during its whole life period.
- The GFCI receptacles conduct an auto-monitor function self-test every five seconds exceeding UL 943 requirements for a frequency of 3 hours.
- Excellent electronic design to minimize any false energization.
- Miswire protection interrupts power in an event that the GFCI receptacle is miswired by interposing line and load branch circuit supply wiring. The GFCI receptacle will deny power to receptacle face and downstream.
- Robust electronic design to minimize any false or unwanted nuisance tripping from high frequency noise to maintain continued in-service.
- Quality electronics provide the GFCI with a superior immunity to electrical surges and over-voltage events.
- Innovated reset disabled system motivated the GFCI cannot be reset once it reaches “end of life”.
- Super tiny LED indicator light has the one-way indication for GFCI properly working condition. “Glimpse” design to minimize unnecessary light during sleeping hours.
- Extra-large silver-alloy contactor with great alignment to ensure the GFCI have the superior resistance to dielectric, overload as well as the abnormal operations.
- Advanced “Build two-in-one of Twin solenoid” and “Double SCR” design provides GFCI extended service life.



### Innovative Dual Protection System

Twin solenoid and double Silicon Controlled Rectifier (SCR) ensure an always-on GFCI protection to ground fault.

### Green LED Indicator

Know the GFCI working status at a simple glimpse.

### Ultra-Compact Design

Leave more room for wiring in an electric box.

### High Impact Resistant Material

Thermoplastic material and rational structure design ensure superior strength and durability.

#### Material Characteristics

- Environmental: Flammability UL-94 V2 Rating.
- Material: Face, Body, Polycarbonate.

### Self-Test Function

Automatically conducts a self-test every 5 seconds, ensuring it is always ready to provide protection.

### Durable and Long Service Life

Withstands higher voltage surge than UL943 requirements.

### Tamper-Resistant

Automatic shutter system prevents young children from inserting unwanted objects into the outlets.

### Easy to Know it's End-of-life

- Repeatedly trips when RESET is attempted
- Does not permit power to the load with an audible "clicking" sound ; or
- Denial of power to the load (trip with the inability to RESET).

- UL and CUL Listed.
- Operating Temperature: -31°F (-35°C) to 151°F (66°C).
- Mounting screws are captive, saving installation time.
- Color matching thermoplastic wall plate is provided as per customers' option.
- Class A GFCI meets or exceeds the maximum allowable trip clearing times per UL 943.
- "Ultra-Compact Profile" ensures additional wiring space to wire products to provide excellent alignment and mounting ease of GFCI receptacles.



## Weather-Resistant Receptacles

Meets 2017 NEC Code Requirements.

- Listed to the weather-resistant supplement of UL498, meeting UL requirements including:  
[Ultraviolet light exposure test.](#)  
[Cold impact test.](#)

Accelerated aging test.

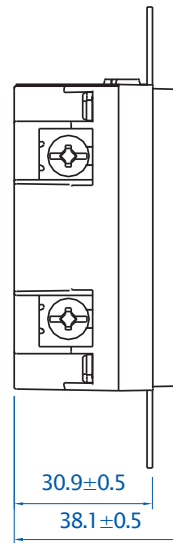
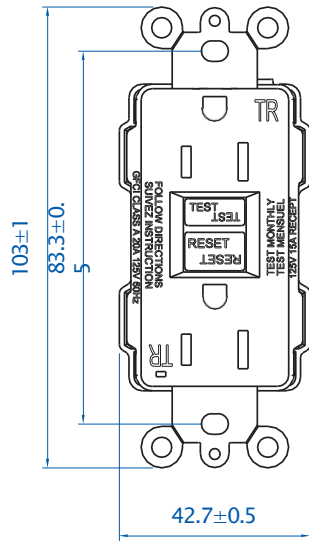
- Stringent material requirements for current-carrying parts, wire screws and mounting straps to ensure superior corrosion resistance.
- Receptacles still require a weatherproof cover in the wet or damp locations.
- WR marking on the face as required by UL standard.



## Tamper-Resistant Receptacles

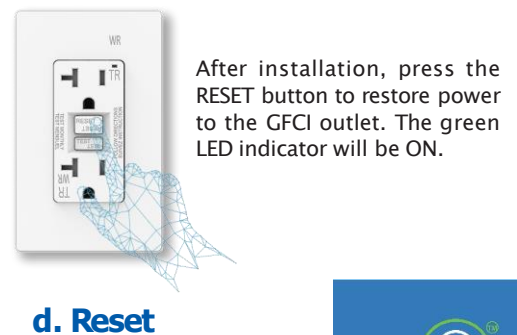
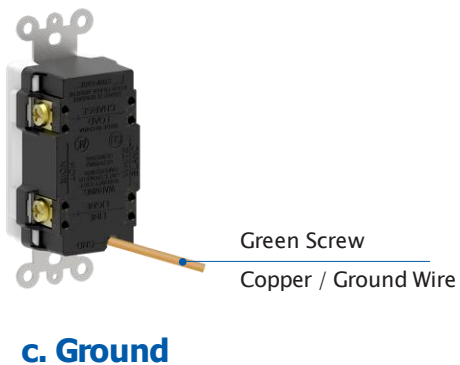
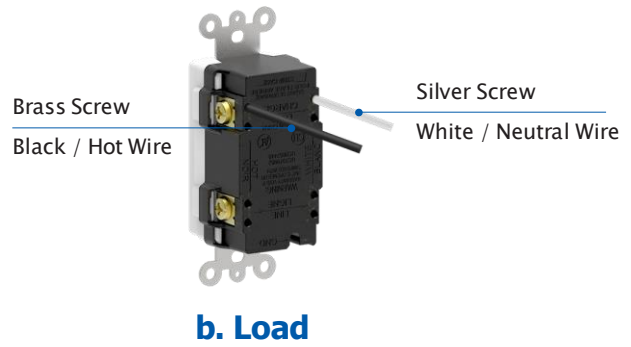
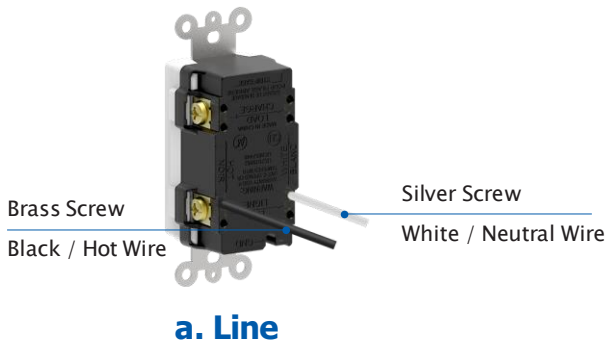
- Protection is always there with the tamper-resistant receptacles. It is reliable, automatic and permanent.
- Spring-loaded shutter mechanism restricts access to an object in any one side of the receptacle.
- Insertion of a two or three bladed plug will open the shutters, allowing electrical contacts.

## Dimensional









Height	$103 \pm 1$ mm
Width	$42.7 \pm 0.5$ mm
Depth	$38.1 \pm 0.5$ mm

## Installation









## Types of GFCIs


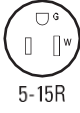




### Self-Test GFCI Receptacle

Photo	P/N	Rating (A. V.)	Description	NEMA	Certified
	G15WH	15 125	Ultra-Compact Profile Back and side wire <i>Work with Copper Wire or Copper Clad Wire</i>	 5-15R	
	G20WH	20 125	Ultra-Compact Profile Back and side wire <i>Work with Copper Wire or Copper Clad Wire</i>	 5-20R	





### Self-Test GFCI Receptacle Tamper-Resistant

Photo	P/N	Rating (A. V.)	Description	NEMA	Certified
	GT15WH	15 125	Ultra-Compact Profile Back and side wire <i>Work with Copper Wire or Copper Clad Wire</i>	 5-15R	
	GT20WH	20 125	Ultra-Compact Profile Back and side wire <i>Work with Copper Wire or Copper Clad Wire</i>	 5-20R	

### Self-Test GFCI Receptacle Tamper Resistant (Weather-Resistant)

Photo	P/N	Rating (A. V.)	Description	NEMA	Certified
	GTW15WH	15 125	Ultra-Compact Profile Back and side wire <i>Work with Copper Wire or Copper Clad Wire</i>	 5-15R	
	GTW20WH	20 125	Ultra-Compact Profile Back and side wire <i>Work with Copper Wire or Copper Clad Wire</i>	 5-20R	

### Self-Test Blank Face GFCI Receptacle (Weather-Resistant)

Photo	P/N	Rating (A. V.)	Description	NEMA	Certified
	GF15WH	20 125	Blank Face <i>Work with Copper Wire or Copper Clad Wire</i>	/	
	GF20WH	20 125	Blank Face Weather Resistant <i>Work with Copper Wire or Copper Clad Wire</i>	/	



## Part Number Key

Device	Type	WR	Amp	Color
<b>G</b> = GFCI	<b>T</b> = Tamper Resistant	<b>W</b> = Weather Resistant	<b>15</b> = 15 Amp	<b>WH</b> = White
	<b>F</b> = Faceless	<b>(Blank)</b> = Not Weather Resistant	<b>20</b> = 20 Amp	<b>BK</b> = Black
				<b>BR</b> = Brown
				<b>LA</b> = Light Almond
				<b>IV</b> = Ivory
				<b>GY</b> = Gray