

# HZA-PWR-GFCI-15A

## Duplex Receptacle, GFCI, 15 A

The Crestron® HZ-PWR-GFCI-15A duplex receptacle provides GFCI (Ground Fault Current Interrupter) protection and AC power to two receptacles. The sleek aesthetic compliments the Horizon™ keypads, dimmers, and switches.

The HZ-PWR-GFCI-15A is rated 15 A, 125 VAC.

### Check the Box

Item	Qty
HZA-PWR-GFCI-15A*	1

\* Refer to the HZA-PWR-GFCI-15A product page at [www.crestron.com](http://www.crestron.com) for a complete list of color and texture variations.

### CAUTIONS:

- To prevent severe shock or electrocution, always turn the power OFF at the service panel before working with wiring.
- Use this GFCI receptacle with copper or copper-clad wire. Do not use it with aluminum wire.
- Do not install this GFCI receptacle on a circuit that powers life support equipment because if the GFCI trips it will shut down the equipment.
- For installation in damp or wet locations, the GFCI receptacle must be Listed and marked as Weather Resistant (WR).
- For installation in wet locations, protect the GFCI receptacle with a cover plate or outlet box hood suitable for wet locations that will keep both the receptacle and plug face dry.
- Must be installed in accordance with national and local electrical codes.

### What is a GFCI?

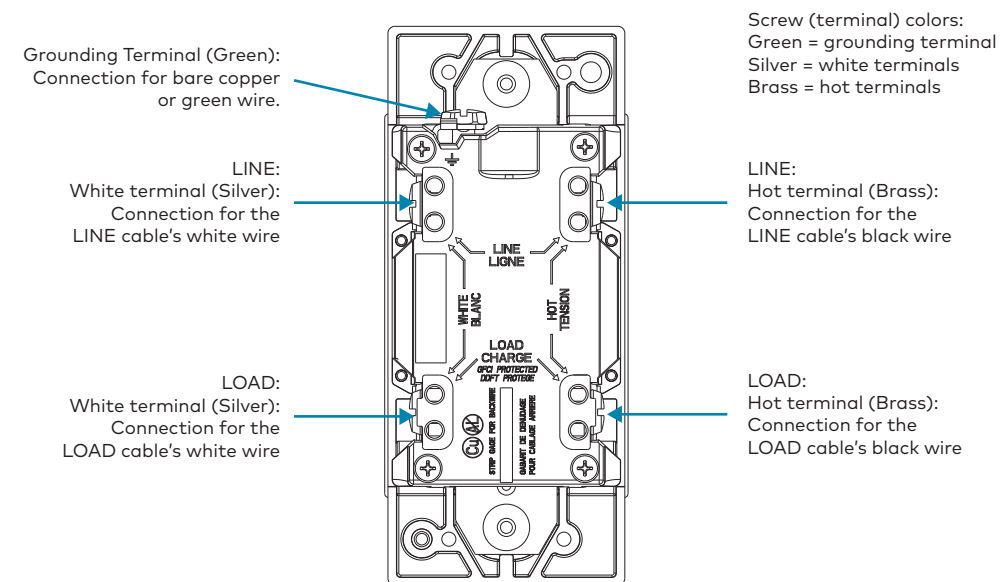
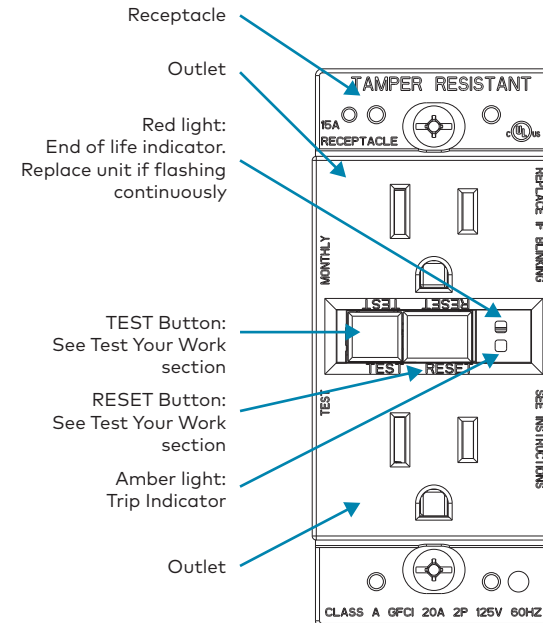
A GFCI receptacle is different from a conventional receptacle. In the event of a ground fault, a GFCI will trip and quickly stop the flow of electricity to prevent serious injury.

#### Definition of a ground fault:

Instead of following its normal safe path, electricity passes through a person's body to reach the ground. For example, a defective appliance can cause a ground fault.

A GFCI receptacle does not protect against circuit overloads, short circuits, or shocks. For example, you can still be shocked if you touch bare wires while standing on a non-conducting surface, such as a wood floor.

### The GFCI's Features



### Should You Install It?

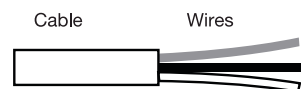
Installing a GFCI receptacle can be more complicated than installing a conventional receptacle.

Make sure that you:

- Understand basic wiring principles and techniques.
- Can interpret wiring diagrams.
- Have circuit wiring experience.
- Are prepared to take a few minutes to test your work, making sure that you have wired the GFCI receptacle correctly.

### LINE vs. LOAD

A cable consists of two or three wires.



#### LINE cable:

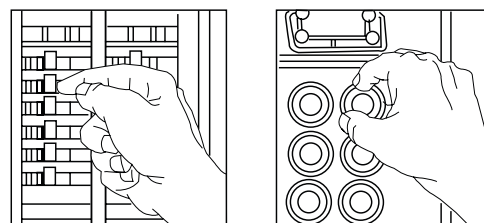
Delivers power from the service panel (breaker panel or fuse box) to the GFCI. If there is only one cable entering the electrical box, it is the LINE cable. This cable should be connected to the GFCI's LINE terminals only.

#### LOAD cable:

Delivers power from the GFCI to another receptacle in the circuit. This cable should be connected to the GFCI's LOAD terminals only.

### Turn the Power Off

Plug an electrical device, such as a lamp or radio, into the receptacle on which you are working. Turn the lamp or radio on. Then, go to the service panel. Find the breaker or fuse that protects that receptacle. Place the breaker in the OFF position or completely remove the fuse. The lamp or radio should turn OFF.



- Next, plug in and turn ON the lamp or radio at the receptacle's other outlet to make sure the power is OFF at both outlets. If the power is not OFF, stop work and call an electrician to complete the installation.

### Identify the Cables/Wires

#### Important:

Do not install the GFCI receptacle in an electrical box containing (a) more than four wires (not including the grounding wires) or (b) cables with more than two wires (not including the grounding wire). Contact a qualified electrician if either (a) or (b) is true.

If you are replacing an old receptacle, pull it out of the electrical box without disconnecting the wires.

- If you see one cable (2-3 wires), it is the LINE cable. The receptacle is probably in position C (see diagram to the right). Remove the receptacle and go to "Connect the Wires A".
- If you see two cables (4-6 wires), follow the procedure to the right. The receptacle is probably in position A or B (see diagram to the right).

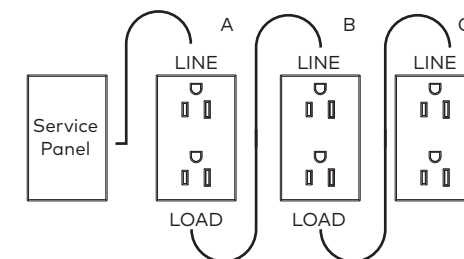
Procedure: box with two cables (4-6 wires)

- Detach one cable's white and hot wires from the receptacle and cap each one separately with a wire connector. Make sure that the wires are from the same cable.
- Reinstall the receptacle in the electrical box, attach the faceplate, then turn the power at the service panel ON.
- Determine if power is flowing to the receptacle. If so, the capped wires are the LOAD wires. If not, the capped wires are the LINE wires.
- Turn the power OFF at the service panel, label the LINE and LOAD wires, then remove the receptacle.
- Go to "Connect the Wires B."

Placement in circuit:

The GFCI's place in the circuit determines if it protects other receptacles in the circuit.

Sample circuit:



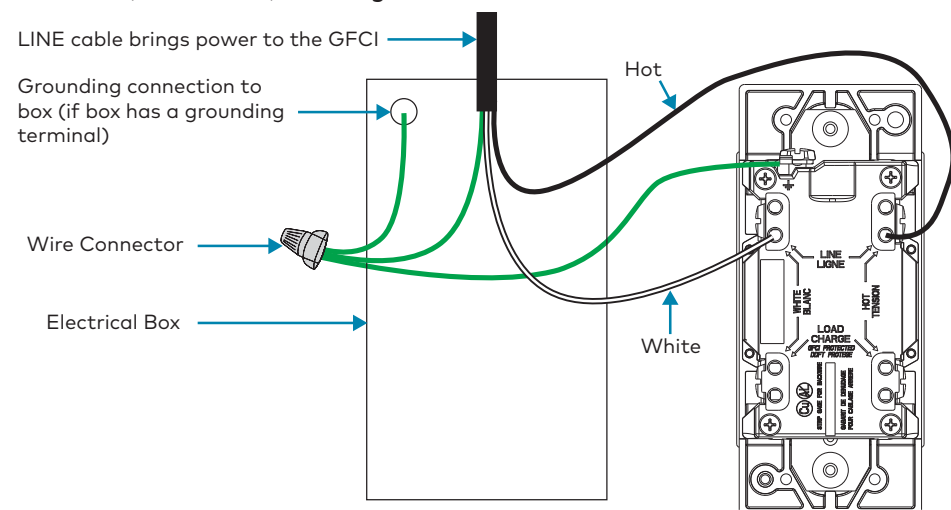
Placing the GFCI in position A will also provide protection to "load side" receptacles B and C. On the other hand, placing the GFCI in position C will not provide protection to receptacles A or B. Remember that receptacles A, B, and C can be in different rooms.



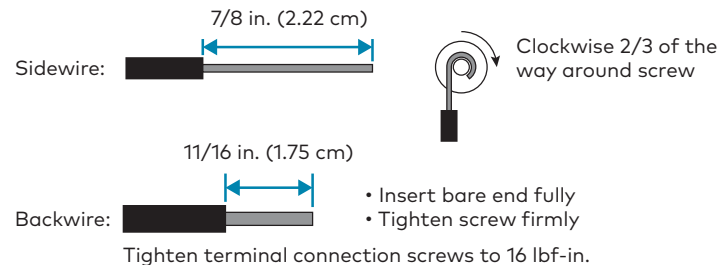
## Connect the Wires

Choose **A** or **B**...only after reading the other side of this document completely

### A: One Cable (2 or 3 wires) entering the box



#### About Wire Connections:



#### Connect the LINE cable wires to the LINE terminals:

- The white wire connects to the White terminal (Silver)
- The black wire connects to the Hot terminal (Brass)

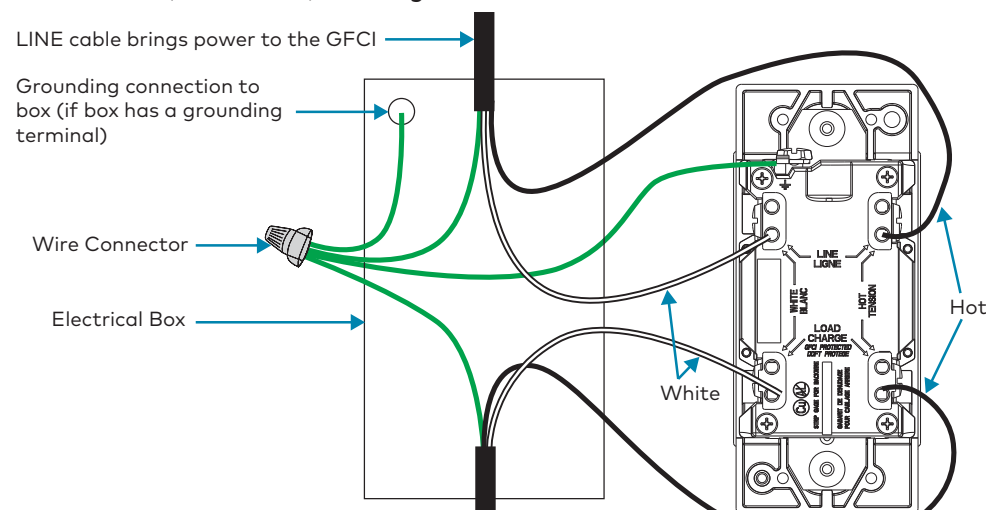
#### Connect the grounding wire (only if there is a grounding wire):

- For a box with no grounding terminal (diagram not shown): Connect the LINE cable's bare copper (or green) wire directly to the grounding terminal on the GFCI receptacle.
- For a box with a grounding terminal (diagram shown above): Connect a 6 in. bare copper (or green) 12 or 14 AWG wire to the grounding terminal on the box. Connect the ends of these wires to the LINE cable's bare copper (or green) wire using a wire connector. If these wires are already in place, check the connections.

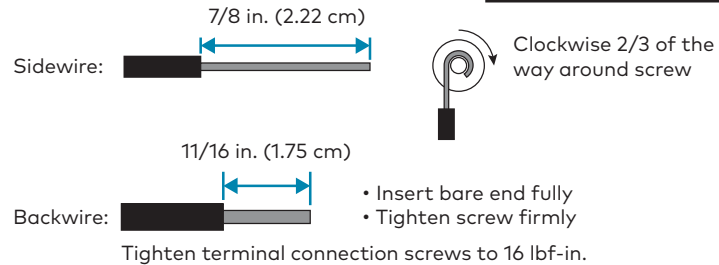
#### Complete the Installation

- Fold the wires into the box, keeping the grounding wire away from the hot and neutral terminals.
- Attach an HZ-FP series faceplate (not supplied). For details, refer to the HZ-FP Series Quick Start (Doc. 8286) located at [www.crestron.com/manuals](http://www.crestron.com/manuals).
- Go to "Test Your Work."

### B: Two Cables (4 or 6 wires) entering the box



#### About Wire Connections:



#### Connect the LINE cable wires to the LINE terminals:

- The white wire connects to the White terminal (Silver)
- The black wire connects to the Hot terminal (Brass)

#### Connect the LOAD cable wires to the LOAD terminals:

- The white wire connects to the White terminal (Silver)
- The black wire connects to the Hot terminal (Brass)

#### Connect the grounding wires (only if there is a grounding wire):

- Connect a 6 in. bare copper (or green) 12 or 14 AWG wire to the grounding terminal on the GFCI. If the box has a grounding terminal, also connect a similar wire to the grounding terminal on the box. Connect the ends of these wires to the LINE and LOAD cable's bare copper (or green) wire using a wire connector. If these wires are already in place, check the connections.

#### Complete the Installation

- Fold the wires into the box, keeping the grounding wire away from the hot and neutral terminals.
- Attach an HZ-FP series faceplate (not supplied). For details, refer to the HZ-FP Series Quick Start (Doc. 8286) located at [www.crestron.com/manuals](http://www.crestron.com/manuals).
- Go to "Test Your Work."

## Test Your Work

### Why perform this test?

- If you miswire the GFCI it may not prevent personal injury or death due to a ground fault (electrical shock).
- If you mistakenly connect the LINE wires to the LOAD terminals, the GFCI will still operate like an ordinary receptacle, but it will not interrupt a ground fault.

### Procedure:

- Turn the power ON at the service panel. Press the **RESET** button fully. Plug a lamp or radio into the GFCI (and leave it plugged in) to verify that the power is ON. If there is no power, go to "Troubleshooting."
- Press the **TEST** button in order to trip the device. This should stop the flow of electricity, making the radio or lamp shut OFF. Note that the **RESET** button will pop out. If the power stays ON, go to Troubleshooting. If the power goes OFF, you have installed the GFCI receptacle correctly. To restore power, press the **RESET** button.
- If you installed your GFCI using "Connect the Wires B," plug a lamp or radio into surrounding receptacles to see which one(s), in addition to the GFCI, lost power when you pressed the **TEST** button. Do not plug life saving devices into any receptacles that lost power. Place a "GFCI Protected" sticker on every receptacle that lost power.
- Press the **TEST** button (then **RESET** button) every month to assure proper operation.
- Note that this GFCI is shipped in the tripped state and cannot be reset until it is wired correctly and powered from its Line terminals.
- Note that the **RESET** button will pop out. If the power goes OFF and the correct wiring/trip indicator stays on, you have installed the GFCI receptacle correctly.
- LINE/LOAD reversal will be indicated by the **RESET** button not staying in after being pressed. Such LINE/LOAD reversal will also be indicated by failure of the Correct Wiring/Trip Indicator to be on while the GFCI is tripped.

## Troubleshooting

Turn the power OFF and check the wire connections against the appropriate wiring diagram in step "Connect the Wires A" or "Connect the Wires B." Make sure that there are no loose wires or loose connections. Also, it is possible that you reversed the LINE and LOAD connections. LINE/LOAD reversal will be indicated by power remaining ON at the GFCI after you press the GFCI's TEST button. Reverse the LINE and LOAD connections if necessary. Start the test from the beginning of "Test Your Work" if you rewired any connections to the GFCI.

**NOTE:** If this GFCI has tripped and no longer can be reset, it has reached its "End of Life" and will no longer provide power. Replace with the same model GFCI to continue to provide ground fault protection.

## General Information

### GFCI Ratings:

- 15A-125 VAC Duplex Receptacle
- 125 V Class A

## Additional Information

Scan or click the QR code for detailed product information.



HZA-PWR-GFCI-15A

## Compliance and Legal

**Original Instructions:** The U.S. English version of this document is the original instructions. All other languages are a translation of the original instructions.

This product is Listed to applicable UL® Standards and requirements tested by Underwriters Laboratories Inc. Ce produit est homologué selon les normes et les exigences UL applicables par Underwriters Laboratories Inc.



### Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15

of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Industry Canada (IC) Compliance Statement

CAN ICES-3 (B)/NMB-3(B)

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

The specific patents that cover Crestron products are listed at [www.crestron.com/legal/patents](http://www.crestron.com/legal/patents).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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Specifications subject to change without notice.