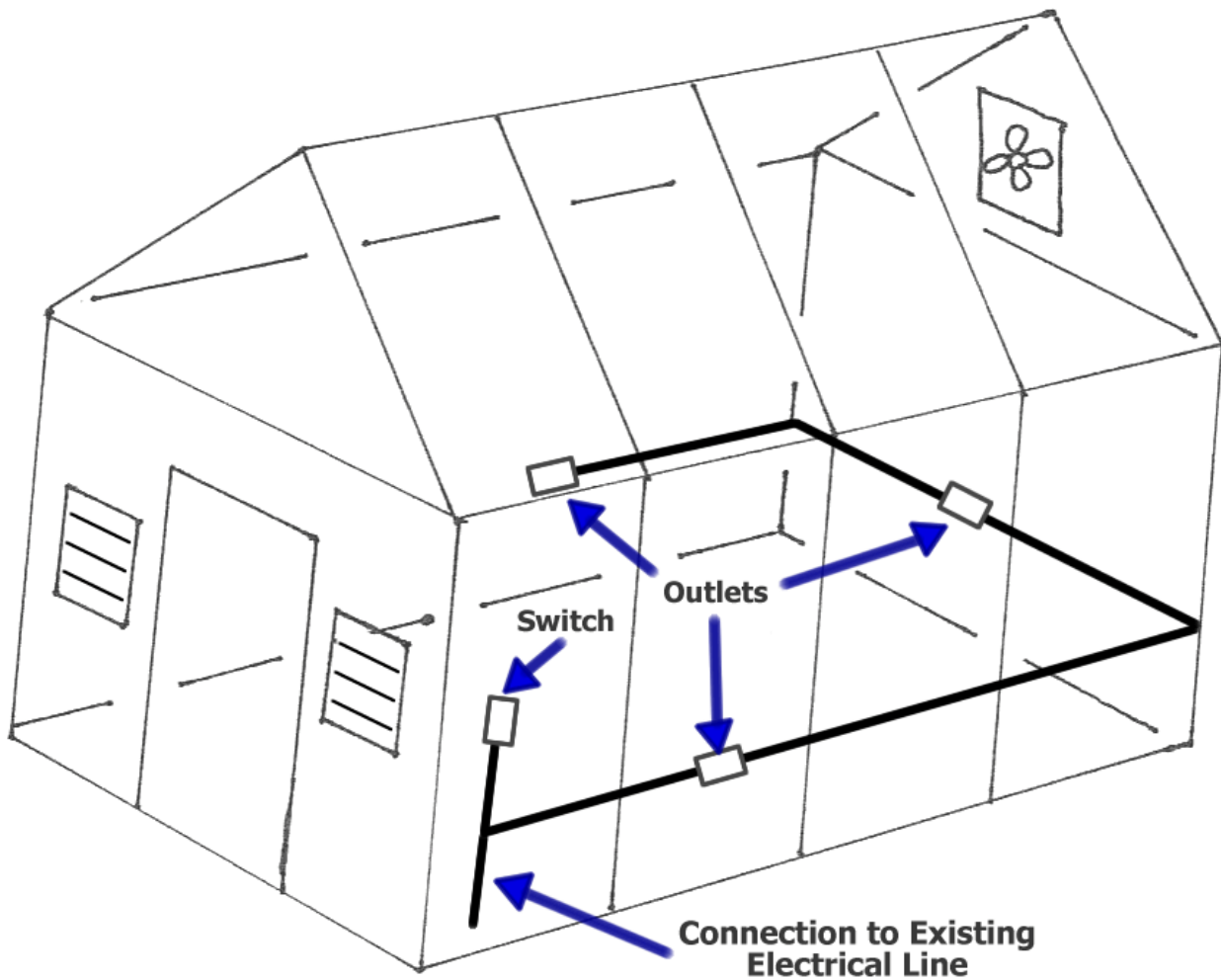




Electrical Kit Installation Instructions

Below we show an example of a typical electrical kit placement in a greenhouse.
You are welcome to install the kit to fit your specific needs.



15A 125V 60HZ
20A 125V 60HZ

Installing and Testing a GFCI Receptacle

Please read this leaflet completely before getting started

⚠ CAUTION

- 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 wet locations, protect the GFCI receptacle with a weatherproof cover that will keep both the receptacle and any plugs dry.
- Must be installed in accordance with national and local electrical codes
- At any conditions when GFCI is powered, it means it can't work any longer if the LED (RED) is lit and a new GFCI has to be used

1. What is a GFCI?

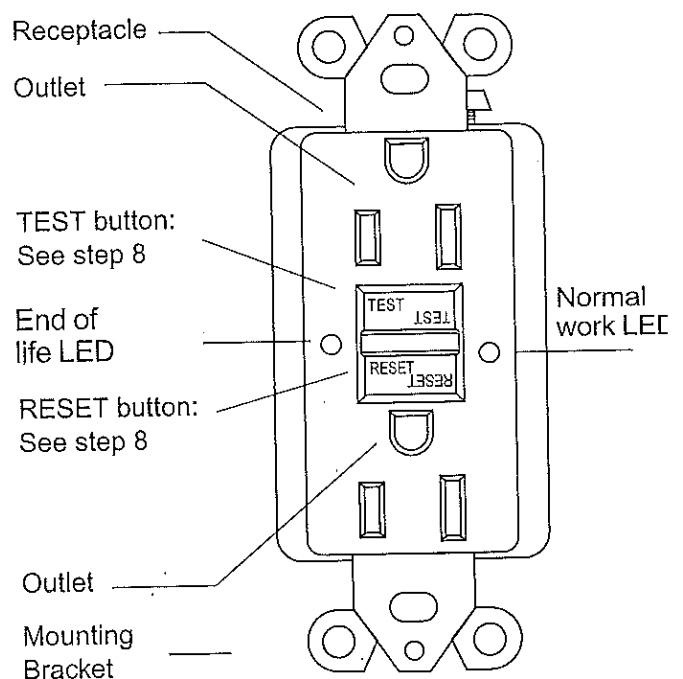
A GFCI receptacle is different from conventional receptacles. In the event of a ground fault, a GFCI will trip and quickly stop the flow of electricity to prevent serious injury

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.

2. The GFCI's features —

FRONT VIEW



3. Should you install it?

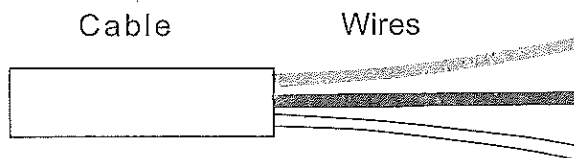
Installing a GFCI receptacle can be more complicated than installing a conventional receptacle.

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

4. LINE VS. LOAD

A cable consists of 2 or 3 wires.



LINE cable:

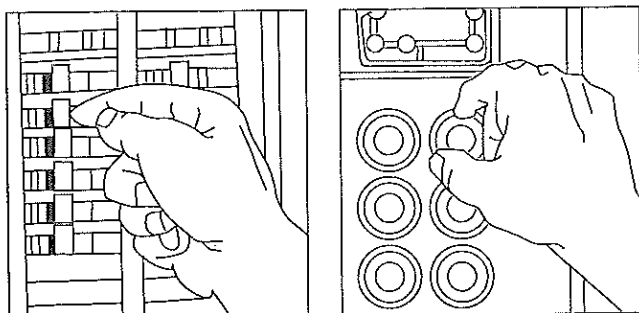
Delivers power from the service panel (breaker panel or fuse box) to the GFCI. If there is only one cable entering the electrical box, it is the LINE cable. This cable should be connected to the GFCI's LINE terminals only.

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. The LOAD terminals are under the yellow sticker. Do not remove the sticker at this time.

5. 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.

6. Identify cables/wires —

Important:

Do not install the GFCI receptacle in an electrical box containing (a) more than 4 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 step 7A.

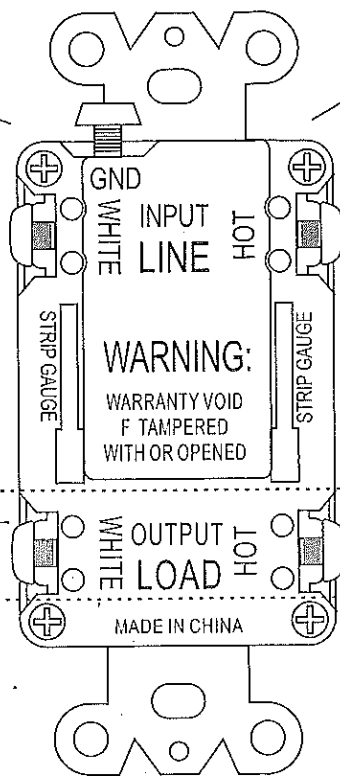
- If you see two cables (4-6 wires), the receptacle is probably in position A or B (see diagram to the right). Follow steps a-e of the procedure to the right.

BACK VIEW

Grounding terminal(Green):
Connection for bare
Copper or green wire

LINE
White terminal(Silver):
Connection for the LINE
Cable's white wire

LOAD
White terminal(silver):
Connection for the
LOAD cable's white wire



Screw terminal(colors):
Green = grounding terminal
Silver = white terminals
Brass = hot terminals

LINE
Hot terminal(Brass):
Connection for the
LINE cable's black
Wire

LOAD
Hot terminal(Brass):
Connection for the
LOAD cable's black wire

A yellow sticker covers
the LOAD terminals.
Do not remove the sticker
at the time.

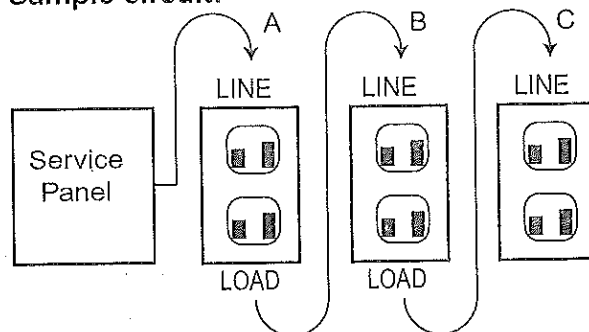
Procedure: box with two cables (4-6 wires)

- (a) Detach one cable's white and hot wires from the receptacle and cap each one separately with a wire connector. Make sure that they are from the same cable.
- (b) Re-install the receptacle in the electrical box, attach the faceplate, then turn the power ON at the service panel.
- (c) 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.
- (d) Turn the power OFF at the service panel, label the LINE and LOAD wires, then remove the receptacle.
- (e) Go to step 7B.

Placement in circuit

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

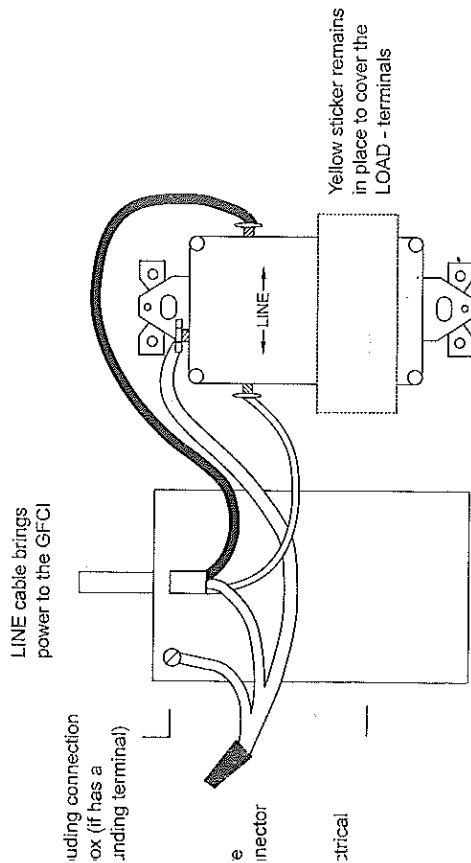
Sample circuit:



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 other side completely

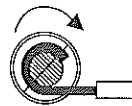
A: One cable (2 or 3 wires) entering the box



About Wire Connections:



Clockwise, 2/3 of the way around screw



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):

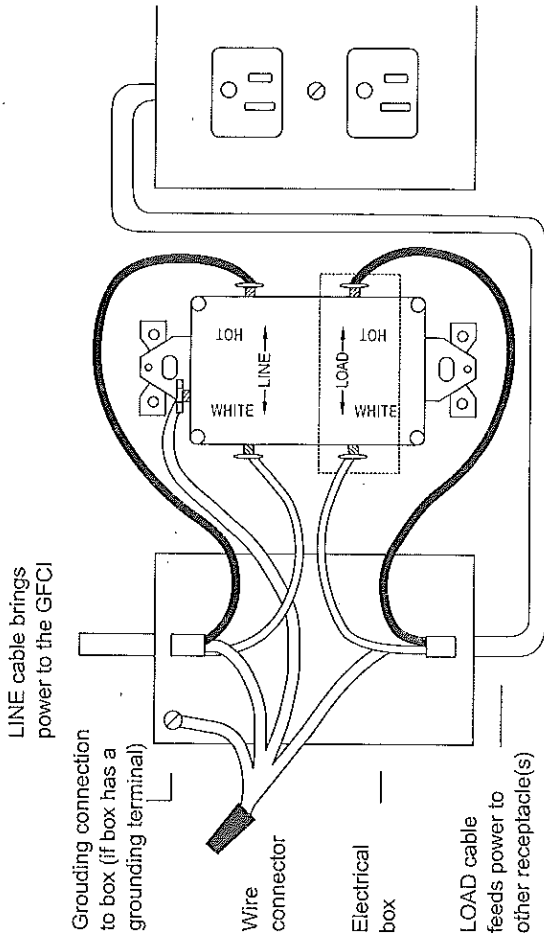
For a box with no grounding terminal: (diagram not shown) Connect the LINE cable's bare copper (or green) wire directly to the grounding terminal on the GFCI receptacle. For a box with a grounding terminal: (diagram shown above) Connect a 6-inch bare copper (or green) 12 or 14 AWG wire to the grounding terminal on the GFCI, also connect a similar 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 White and Hot terminals. Screw the receptacle to the box and attach the faceplate.
- Go to step 8.

OR

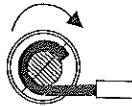
B: Two cables (4 or 6 wires) entering the box



About Wire Connections:



Clockwise, 2/3 of the way around screw



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:

- Remove the yellow sticker to reveal 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 as shown above (only if there is a grounding wire):

Connect a 6-inch 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.

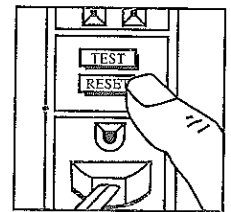
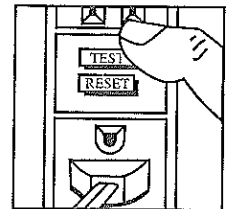
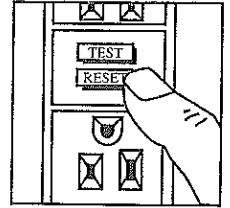
Complete the installation:

- Fold the wires into the box, keeping the grounding wire away from the White and Hot terminals. Screw the receptacle to the box and attach the faceplate.
- Go to step 8.

8. Test your work

Procedure:

- (a) 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 Trouble-shooting
- (b) Press the black 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 red 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.
- (c) If you installed your GFCI using step 7B, 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.
- (d) Press the TEST button (then RESET button) every month to assure proper operation. If the end-of-life indicator LED (red) lights, it means the GFCI has been out of work and needs to be replaced.



TROUBLESHOOTING

Turn the power OFF and check the wire connection against the appropriate wiring Diagram in step 7A or 7B. make sure that there are no loose wires or loose connections. Also, it is possible that you reversed the LINE and LOAD connections, then you press The RESET button, it will not work. Start the test from the beginning of step 8 if you Rewired any connections to the GFCI.

General Information

GFCI receptacle rating:

15A-125VAC-Cat No. YGF15L

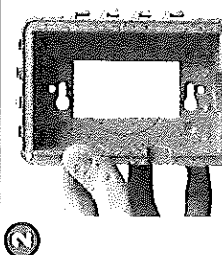
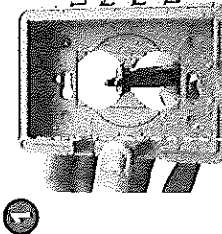
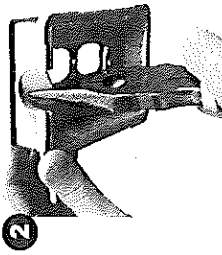
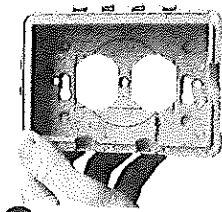
20A-125VAC-Cat No. YGF20L

15A-125VAC-Cat No. YGF15LL

20A-125VAC-Cat No. YGF20LL

IMPORTANT: Turn off power to outlet.

Duplex Configuration



Round pieces pre-configured for duplex.
Piezas pre-configuradas para un puerto doble.

Snap out single port for vertical (double ports for horizontal).
Desprenda un solo puerto para la posición vertical (puertos dobles para la posición horizontal).

For GFCI use needle nose pliers to snap out center section.
Utilice pinzas con cabeza de aguja para arrancar la sección del centro.

Continue to snap out remaining corner pieces.
A continuación arranque las piezas de las esquinas.

Ya Doble

GFCI Configuration

Configuración para GFCI

IMPORTANT: Disconnect current from the outlet circuit.

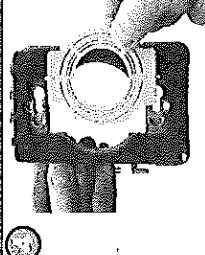
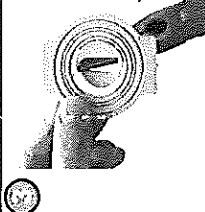
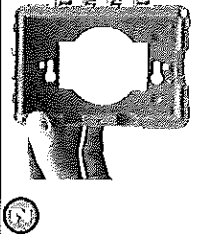
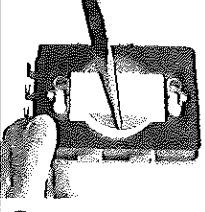
IMPORTANT: Turn off power to receptacle at the circuit breaker box or equivalent.
NOTE: Base should be installed on a smooth flat surface. To ensure a weatherproof seal on irregular surfaces such as brick or cedar siding, a 1/4 inch bead of non-hardening silicone caulk must be placed between the gasket and the remaining surface.
WARNING: Improper installation of any electrical device can cause serious injury or death.

Required by NEC 406(B)(2) for use in wet locations while cord is plugged in.

All Configurations Vertical / Horizontal.
Adapter, Gasket, & Screws Included.
Receptacles Not Included.

www.TayMac.com
1-800-5265416

Adapter, Single Round Configuration (Same as Duplex)



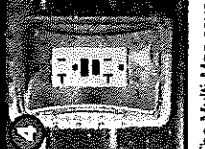
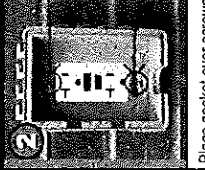
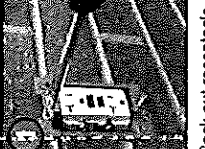
Round pieces snap on both sides of adapter.
Piezas circulares de ambos lados para el adaptador.

Base is ready for adapter.
La base está lista para el adaptador.

Adapter comes ready for switch. For round use pliers to snap out adapter rings.
El adaptador viene listo para la toma de corriente. Para los redondos, utilice pinzas para desprender los anillos del adaptador.

Snap adapter to back of base.
Fije el adaptador a la parte posterior de la base.

Mounting to Receptacle Box



Back out receptacle screws. Do not remove screws.
Desprenda los tornillos del receptáculo para los alfileres, pero no los saque.

Place gasket over screws. Align screws with slots on base. Slide on base. Tighten screws.
Coloque el empaque sobre los tornillos. Alinee los tornillos con las ranuras de la base. Deslice sobre la base. Apriete los tornillos.

Slide cover hinges onto base hinges, until they snap together.
Deslice las bisagras de la cubierta encima de las bisagras de la base, hasta que cierren juntas.

The Multi-Mac cover is now installed.
La cubierta del Multi-Mac ya está instalada.

Montaje a Caja Receptaculo