		1. What is a
LEVITON _® smartlockpro™	 To prevent severe shock or electrocution always turn the power OFF at the service panel before working with wiring. 	A GFCI receptacle conventional rece ground fault, a GF the flow of electric
Installing and	 Use this GFCI with copper or copper- clad wire. Do not use it with aluminum wire. 	Definition of a gr Instead of followin electricity passes reach the ground.
Testing a GFCI Receptacle	 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. 	Appliance can cau A GFCI receptacle circuit overloads, s example, you can
	 For installation in damp or wet locations, the GFCI receptacle must be Listed and marked as Weather Resistant (WR) 	bare wires while s surface, such as a NOTE:
Please read this leaflet completely before getting started.	• 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.	 GFCI's contain a I RESET if: There is no po the GFCI. The GFCI is m the LINE and L
PK-93792-10-00-2B AR0088	 Must be installed in accordance with national and local electric codes. 	 The GFCI can indicating that protection in th
		- -

4. LINE vs. LOAD

LINE cable:

LOAD cable:

A cable consists of 2 or 3 wires.

Cable

the GFCI's LINE terminals only.

Delivers power from the service panel (breaker

panel or fuse box) to the GFCI. If there is only

LINE cable. This cable should be connected to

one cable entering the electrical box, it is the

Delivers power from the GFCI to another

The LOAD terminals are under the yellow

receptacle in the circuit. This cable should be

connected to the GFCI's LOAD terminals only.

sticker. Do NOT remove the sticker at this time.

Wires

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

GFCI?

le is different from ceptacles. In the event of a FCI will trip and quickly stop icity to prevent serious injury.

ground fault:

ing its normal safe path. es through a person's body to d. For example, a defective ause a ground fault.

cle does NOT protect against , short circuits, or shocks. For an still be shocked if you touch standing on a non-conducting a wood floor.

lockout feature that will prevent

- power being supplied to
- miswired due to reversal of LOAD connections.
- annot pass its internal test. at it may not be able to provide the event of a ground fault.

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 must 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.

2. The GFCI's features

FRONT VIEW Receptacle opalo Outlet RESET button: See step 8 RESET TEST button: TEST LSEL See step 8 Outlet-Self-Ground Clip 6CD3 \bigcirc 0 Mounting

Bracket

Important:

wires.

6. Identify cables/wires

DO NOT install the GFCI receptacle in an

wires (not including the grounding wires) or

(b) cables with more than two (2) wires (not

qualified electrician if either (a) or (b) are true.

If you see one cable (2-3 wires), it is the

position C (see diagram to the right).

If you see two cables (4-6 wires), the

of the procedure to the right.

receptacle is probably in position A or B

(see diagram to the right). Follow steps a-e

LINE cable. The receptacle is probably in

Remove the receptacle and go to step 7A.

including the grounding wire). Contact a

electrical box containing (a) more than four (4)

Green/Red Status Indicator Light

Procedure: box with two (2) cables (4-6 wires):

cable.

LINE

LOAD

black wire

- ON at the service panel.
- (c) Determine if power is flowing to the the LINE wires.
- remove the receptacle.
- (e) Go to step 7B.

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





(a) Detach one cable's white wire and hot wires from the receptacle and cap each one separately with a wire connector. Make sure that they are from the same

(b) Re-install the receptacle in the electrical box, attach faceplate, then turn the power

receptacle. If so, the capped wires are the LOAD wires. If not, the capped wires are

(d) Turn the power OFF at the service panel label the LINE and LOAD wires, then

Placement in circuit:

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



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.

7. Connect the wires (choose A or B)... only after reading other side completely A: One Cable (2 or 3 wires) entering the box OR LINE cable brings LINE cable brings power to the GFCI Grounding power to the GFCI Grounding connection connection to box (if box has a to box (if box has a grounding terminal) White grounding terminal) Yellow (J.S.O sticker പ്രപ്പ 6 remains \cap Wire in place Wire Connector to cover

the LOAD

terminals

About Wire Connections:

Electrical

Box



For Side wire Loop clockwise 2/3 of the way around screw



For Back wire -Insert bare wire fully and tighten terminal clamp on conductor ONLY

Back Wire:

Black

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 or Black) 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.



- Connect the LINE cable wires to the LINE terminals:
- 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 or Black)
- Connect the grounding wires (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 or 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

Why perform this test?

- If you miswired 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 not reset and will not provide power to either the GFCI receptacle face or any receptacles fed from the GFCI.

Procedure:

- Troubleshooting section as the Line and Load connections are reversed.
- blinks Red, or the GFCI cannot be reset, go to the Self-Test Operation section.
- GFCI cannot be reset, it must be replaced.

Turn the power OFF and check the wire connections against the appropriate wiring diagram in step 7A or 7B. Make sure that there are no loose wires or loose connections. If the Status Indicator Light is not ON and the device is unable to reset this could be a result of no power available. Start the test from the beginning of step 8 if you rewired any connections to the GFCI.

- to Reset, replace the GFCI. NOTE: The status indicator may flash Red at power "ON" and Reset.

Self Test Cat. No.	Description	LIMITED 2 YEAR WARRANTY AND EXCLUSIONS Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this prod	
GFNT1	15A-125VAC, 60Hz Non-Tamper Resistant GFCI	at the time of its sale by Leviton is free of defects in materials and workmanship under normal and propuse for two years from the purchase date. Leviton's only obligation is to correct such defects by repart or replacement, at its option. For details visit www.leviton.com or call 1-800-824-3005. This warran excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warran is void if this product is installed improperly or in an improper environment, overloaded, misused, opene abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, includin merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a parts or for a such implied warranty and fitness for a set of the such as	
GFNT2	20A-125VAC, 60Hz Non-Tamper Resistant GFCI		
GFTR1	15A-125VAC, 60Hz Tamper Resistant GFCI		
GFTR2	20A-125VAC, 60Hz Tamper Resistant GFCI		
GFWR1	15A-125VAC, 60Hz Weather Resistant GFCI		
GFWR2	20A-125VAC, 60Hz Weather Resistant GFCI	a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special consequential damages, including without limitation, damage to, or loss of use of, any equipm lost sales or profits or delay or failure to perform this warranty obligation. The remedies provi herein are the exclusive remedies under this warranty, whether based on contract, tort or otherw	
GFWT1	15A-125VAC, 60Hz Weather/Tamper Resistant GFCI		
GFWT2	20A-125VAC, 60Hz Weather/Tamper Resistant GFCI	For Technical Assistance Call: 1-800-824-3005 (U.S.A. Only) 1 800 405-5320 (Canada Only) www.leviton.com	
GFRBF	20A-125VAC, 60Hz Blankface GFCI		
All devices rated 20A feed-through		SmartlockPro is a Trademark of Leviton Manufacturing Co., Inc. registered in the Unite States, Canada, Mexico and China.	

FCC STATEMENT

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.
- Consult the dealer or an experienced radio/TV technician for help.

IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device

This product is covered by U.S. Patent Nos. 6.040.967; 6.246.558**; 6.282.070; 6.381.112; 6.437.953; 6.646.838; 6.657.834; 6.788.173; 6.864.766**; 6.944.001; 7.336.458; 7.355.117*; 7 400 479: 7 463 124**: 7 697 252: 7.737 809**: 7.764 151**: 7 820 909*: 7 868 719†: 7.907 371: 8 004 804: 8 054 595: 8 130 480: 8 242 362*: 8 587 914**: 8 599 522: 8 944 859: 9 053 886 and corresponding foreign patents (*applies only to Cat. Nos. GFTR1, GFTR2, GFWT1 & GFWT2, †applies only to Cat. Nos. GFTR2 & GFWT2, **does not apply to Cat. No. GFRBF)

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at Leviton Manufacturing of Canada Ltd to the attention of the Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1 800 405-5320.

Wire \bigcirc

 \bigcirc

5/8" (1.6 cm)

(a) This GFCI is shipped from the factory in the tripped condition and cannot be reset until it is wired correctly and power is supplied to the device. Plug a lamp or radio into the GFCI (and leave it plugged in). Turn the power ON at the service panel. Ensure that the GFCI is still in the tripped condition by pressing the TEST button. If the lamp or radio is OFF, and the GFCI will not reset, go to the

(b) Press the RESET button fully and release. If the Status Indicator Light turns Green and the lamp or radio is ON, the GFCI has been installed correctly. If the Status Indicator Light turns or continuously

(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, lose power when you press the GFCI TEST button. Place a "GFCI PROTECTED OUTLET" sticker on every receptacle that lost power, then press the RESET button to reset the GFCI. DO NOT plug life saving devices into any of the receptacles that lost power.

(d) Press the TEST button (then RESET button) every month to assure proper operation. If the Status Indicator Light does not turn Green when the RESET button is depressed and then released, or the

TROUBLESHOOTING

SELF-TEST OPERATION

A Self-Test GFCI receptacle has all the features of a conventional GFCI receptacle. In addition, this receptacle tests itself periodically to confirm the GFCI electronics are functional. The Status Indicator Light will be solid green when the GFCI is powered from Line side and working correctly. Self-Test Indications: If the Status Indicator Light is solid or flashing RED a problem may exist. Press the TEST button to trip the GFCI. If unable

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.





