LEVITON	
smartlockpro™	<ul> <li>To prevent severe shock electrocution always turn OFF at the service pane working with wiring.</li> </ul>
Installing and Testing a GFCI	<ul> <li>Use this GFCI with copp copper-clad wire. Do not with aluminum wire.</li> </ul>
Receptacle	<ul> <li>Do not install this GFCI r on a circuit that powers I equipment because if the it will shut down the equi</li> </ul>
Please read this leaflet completely before getting started.	<ul> <li>For installation in wet loc protect the GFCI recepta a weatherproof cover tha keep both the receptacle any plugs dry.</li> </ul>
DI-000-X7299-02A	<ul> <li>Must be installed in accornational and local electric</li> </ul>

# 3. Should you install it?

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

Make sure that you:

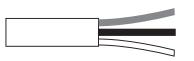
- Understand basic wiring principles and techniques
- Can interpret wiring diagrams
- Have circuit wiring experience
- · Are prepared to take a few minutes to test your work, making sure that you have wired the GFCI receptacle correctly

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- per or use it
- receptacle ife support e GFCI trips ipment.
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- rdance with ical codes.

# 4. LINE vs. LOAD

A cable consists of 2 or 3 wires.

Cable 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.

# 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 guickly 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.

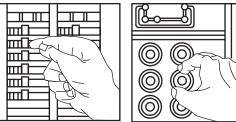
## NOTE:

GFCI's contain a lockout feature that will prevent RESET if:

- · There is no power being supplied to the GFCI
- The GFCI is miswired due to reversal of the LINE and LOAD leads.
- The GFCI cannot pass its internal test, indicating that it may not be able to provide protection in 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 combination GFCI/Switch's features

### **FRONT VIEW**

### <u>ം</u>ത്ര Receptacle Single Pole Switch RESET button: See step 8 RESET TEST button: See step 8 Outlet പ്പ Mounting íO **O** ত Bracket

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

## 6. Identify cables/wires

### Important:

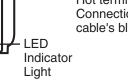
DO NOT install the GFCI receptacle in an electrical box containing (a) more than four (4) wires (not including the grounding wires) or (b) cables with more than two (2) wires (not including the grounding wire). Contact a qualified electrician if either (a) or (b) are true.

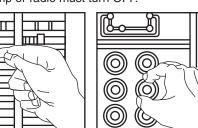
If you are replacing an old receptacle, pull it out of the electrical box without disconnecting the wires.

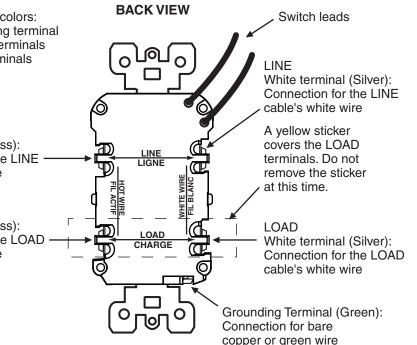
- If you see two cables (4-6 wires), one is the GFCI LINE cable. The other is a cable to the lamp LOAD. The receptacle is probably in position C (see diagram to the right). Remove the receptacle and go to step 7A.
- If you see three cables (6-9 wires), the receptacle is probably in position A or B (see diagram to the right). Follow steps a-e of the procedure to the right.

### Procedure: box with three (3) cables (6-9 wires):

- ON at the service panel.
- remove the receptacle.
- (e) Go to step 7B.







(a) Detach two of the 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.

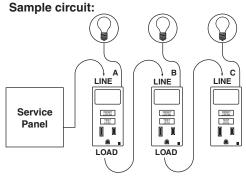
(b) Re-install the receptacle in the electrical box. attach faceplate, then turn the power

(c) Determine if power is flowing to the receptacle. If so, you have identified the LINE cable (go to step d). If not, the LINE is one of the other cables with the capped wires. Tag this cable and repeat this procedure with the two remaining cables until you have identified the LINE.

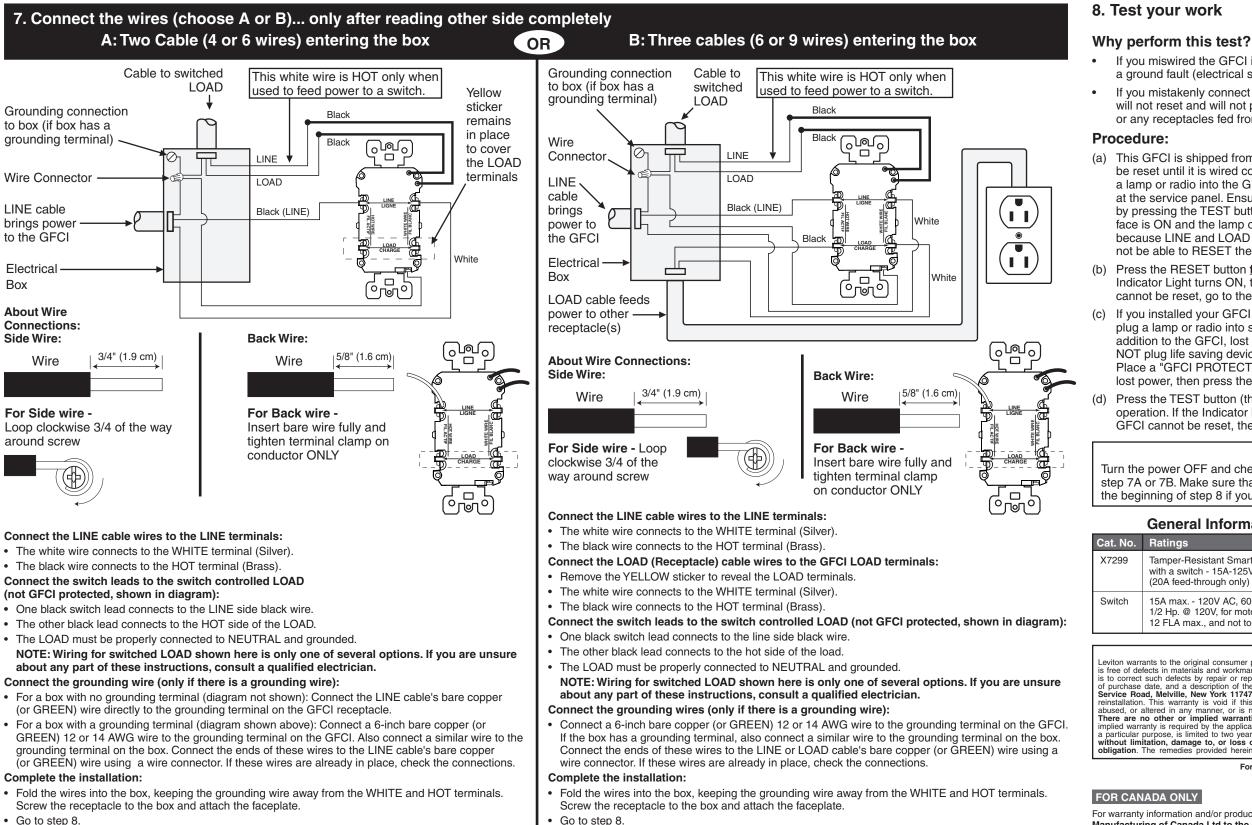
(d) Turn the power OFF at the service panel, label the LINE and LOAD wires, then

### Placement in circuit:

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



Placing the GFCI in position 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.



Go to step 8.

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.

If you miswired the GFCI it may not prevent personal injury or death due to a ground fault (electrical shock).

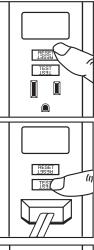
If you mistakenly connect the LINE wires to the LOAD terminals, the GFCI will not reset and will not provide power to either the GFCI receptacle face or any receptacles fed from the GFCI.

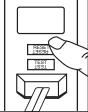
(a) This GFCI is shipped from the factory in the tripped condition and cannot be reset until it is wired correctly and power is supplied to the device. Plug a lamp or radio into the GFCI (and leave it plugged in). Turn the power ON at the service panel. Ensure that the GFCI is still in the tripped condition by pressing the TEST button. If the indicator light on the GFCI receptacle face is ON and the lamp or radio is OFF go to the Troubleshooting section because LINE and LOAD wiring connections have been reversed. You will not be able to RESET the GFCI in this condition.

Press the RESET button fully. If the lamp or radio turns ON and the Indicator Light turns ON, the GFCI has been installed correctly. If the GFCI cannot be reset, go to the Troubleshooting section.

If you installed your GFCI using step 7B press the TEST button, then 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 of the receptacles that lost power. Place a "GFCI PROTECTED OUTLET" sticker on every receptacle that lost power, then press the RESET button to reset the GFCI.

Press the TEST button (then RESET button) every month to assure proper operation. If the Indicator light does not go out and come back on or if the GFCI cannot be reset, then it must be replaced.





## TROUBLESHOOTING

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. Start the test from the beginning of step 8 if you rewired any connections to the GFCI.

## General Information

Tamper-Resistant SmartlockPro Slim GFCI with a switch - 15A-125V AC. 60 Hz (20A feed-through only)

15A max. - 120V AC, 60 Hz 1/2 Hp. @ 120V. for motor loads of 12 FLA max., and not to exceed 1/2 Hp.

This product is covered by the following 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; 6.900.972; 6.944.001; 7.082.021; 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; 8,054,595; 8,130,480; 8,242,362 and corresponding foreign patents.

SmartlockPro is a Trademark of Leviton Manufacturing Co., Inc. egistered in the United States, Canada, Mexico and China

### LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

eviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Levitor s free of defects in materials and workmanship under normal and proper use for two years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such two year period the product is returned prepaid, with proof of purchase date, and a description of the problem to Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, New York 11747. This warranty excludes and there is disclaimed liability for labor for removal of this product o einstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened 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, including merchantability and fitness for a particular purpose, but if any mplied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise

> For Technical Assistance Call: 1-800-824-3005 (U.S.A. Only) 1 800 405-5320 (Canada Only) - www.leviton.com