

SmartlockPro® Portable Self-Test Ground Fault Circuit Interrupter In-Line Device

Cat. No. GSIA2 (AUTO-RESET), Rated: 20A-120VAC, 60Hz, 2400W HP: 3/4
Cat. No. GSIM2 (MANUAL-RESET), Rated: 20A-120VAC, 60Hz, 2400W HP: 3/4

LEVITON®

PK-A3381-10-02-2B

WARNINGS

- **TO AVOID FIRE, SHOCK, OR DEATH, UNPLUG CORD OR TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!**
- This device is not to be used, directly or indirectly, with a life-support apparatus or associated circuitry. Use this device only on a grounded circuit, protected by a fuse or a circuit breaker.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are not sure about any part of these instructions, consult an electrician.

CAUTIONS

- **For Auto-Reset units GSIA2 ONLY:** Power will automatically be applied to the load wires when the device is energized.
- **For Auto-Reset units GSIA2 ONLY:** The connected load should be turned OFF during a power failure as this device will automatically reset when power is restored. This device will NOT automatically reset after a ground fault is detected while in use.
- This device protects against current leakage caused by ground faults only. It does not protect against overcurrent or short circuits.
- This device is suitable for temporary outdoor use. **DO NOT** immerse this product in water.
- Your device may differ from the illustrations depicted.
- Plug this device directly into an outlet. **DO NOT** plug it into an extension cord.
- Use this device with copper wire only.

INSTALLATION INSTRUCTIONS

ENGLISH

TO INSTALL

1. **WARNING: TO AVOID FIRE, SHOCK, OR DEATH, UNPLUG CORD OR TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!**
2. Wire device only with 3 conductor cords of the following type: UL Types – SJTW, SJOW, SJTOW, SJTOOW, SJEOW, STW, STOW and STOOW.

ASSEMBLY PROCEDURE:

- (a) The Self-Test GFCI in-line device's LINE side should be connected to the cable with the male plug.
- (b) Depending upon the cable outer jacket diameter, choose a grommet and clamp size from the **Table - Grommet and Clamp Size**. This table indicates the correct grommet and clamp size to be used for specific cable sizes/types.
- (c) Slip grommet over cord outer jacket at least 1.5 inches.
- (d) Remove outer jacket of cord 7/8 in. (2.2cm) from end.
- (e) Strip each conductor 23/64 in. (0.91 cm) and twist strands tightly together. **DO NOT TIN ENDS.**
- (f) Insert wire-stripped ends under the appropriate terminal clamps: BLACK wire under the BRASS screw, WHITE wire under the SILVER screw, and GREEN wire under the GREEN screw. Torque each wire terminal screw between 10 to 14 in.-lbs. **DO NOT OVER-TIGHTEN.**
- (g) Move grommet along cord to proper location and into sealing well.
- (h) Attach cord clamp (observe clamp orientation as shown in **Diagram 1**). **Outer cord jacket must extend fully under cord clamp.** Torque each cord clamp screw between 15 to 20 in.-lbs. **DO NOT OVER-TIGHTEN.**
- (i) Place back cover in position. Torque each back cover screw between 12 to 18 in.-lbs. **DO NOT OVER-TIGHTEN.**

Table - Grommet and Clamp Size					
Wire Gauge	No. of Conductors	Diameter (nominal)	Maximum Current	Grommet	Cord Clamp
WIRE TYPE SJ					
16	3	0.330 in.	13-Amps	SMALL - I.D. 0.210 in.	SMALL
14	3	0.370 in.	15-Amps	SMALL - I.D. 0.210 in.	SMALL
12	3	0.435 in.	20-Amps	SMALL - I.D. 0.210 in.	SMALL
WIRE TYPE ST					
18	3	0.365 in.	10-Amps	SMALL - I.D. 0.210 in.	SMALL
16	3	0.391 in.	13-Amps	SMALL - I.D. 0.210 in.	SMALL
14	3	0.550 in.	15-Amps	MEDIUM - I.D. 0.310 in.	LARGE
12	3	0.597 in.	20-Amps	LARGE - I.D. 0.475 in.	LARGE
ALLOWABLE CABLE OUTER JACKET DIAMETER FOR GROMMET / CORD CLAMP:					
SMALL: 0.330 in. - 0.435 in. MEDIUM: 0.550 in. LARGE: 0.597 in.					

TEST INSTRUCTIONS FOR GFCI

1. Plug device into energized receptacle.
 - a. **Auto-Reset Devices:** GREEN power indicator LOAD goes ON. If the fault status indicator light turns ON or continuously blinks RED, or if the GFCI cannot reset, go to the **Self-Test Operation** section.
 - b. **Manual-Reset Devices:** Press TEST/RESET button and release. GREEN power indicator LOAD goes ON. If the fault status indicator light turns ON or continuously blinks RED, or if the GFCI cannot reset, refer to the **Self-Test Operation** section.
 2. Press TEST/RESET button. Power indicator LOAD must go OFF.
 3. Press TEST/RESET button and release. Power indicator LOAD must go ON for use.
- CAUTION: DO NOT USE THIS DEVICE IF ABOVE TEST FAILS. TEST UNIT BEFORE EACH USE. DO NOT TEST THIS UNIT WITH THE CONNECTED LOAD IN THE "ON" POSITION.**

SELF-TEST OPERATION

A Self-Test GFCI has all the features of a conventional GFCI cord set. In addition, this GFCI tests itself periodically to confirm that the GFCI electronics are functional. The LOAD indicator light will be solid GREEN when the GFCI is powered from the LINE side and working correctly.

Self-Test Indications: If the fault indicator light is solid or continuously flashing RED, a problem may exist. Press the TEST/RESET button to trip the GFCI. If unable to reset, replace the GFCI.

NOTE: The fault status indicator may flash RED at power "ON" and reset.

Diagram / Schéma / Diagrama

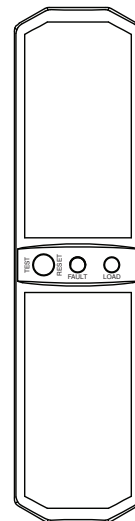
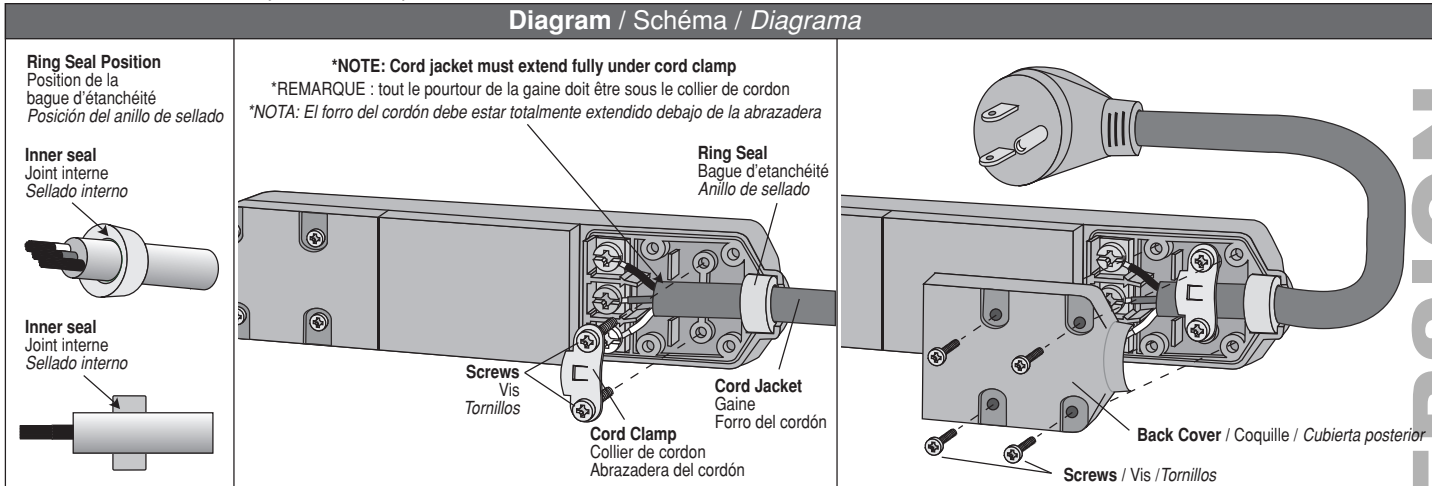


Diagram / Schéma / Diagrama



Patents covering this product, if any, can be found on Leviton.com/patents.

SmartlockPro® is a trademark of Leviton Manufacturing Co., Inc., registered in the United States, Canada, Mexico, and China.

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada ULC** 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.

LIMITED 2 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is 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. **For details visit www.leviton.com or call 1-800-824-3005.** This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. 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 implied 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 (USA Only) or 1-800-405-5320 (Canada Only) www.leviton.com

