

GLASSBREAK DETECTOR
Cat. No. 61A00-1
Installation Instructions and User's Guide

LEVITON[®]

DI-021-SY611-05AAR2253
(61100-1)

INSTALLATION

ENGLISH

WARNINGS AND CAUTIONS

- Read and understand all instructions. Follow all warnings and instructions marked on the product.
- Do not use this product near water - e.g., near a tub, wash basin, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.
- Never push objects of any kind into this product through openings, as they may touch dangerous voltages.
- **SAVE THESE INSTRUCTIONS.**

WARNINGS AND CAUTIONS

- Never install communications wiring or components during a lightning storm.
- Never install communications components in wet locations unless the components are designed specifically for use in wet locations.
- Never touch uninsulated wires or terminals unless the wiring has been disconnected at the network interface.
- Use caution when installing or modifying communications wiring or components.

DESCRIPTION

The 61A00-1 Wireless Glassbreak Detector is an omni-directional acoustic sensor and wireless transmitter that works with the Leviton 45A00-1 Wireless Receiver. It is used for detecting the sound of breaking glass, providing 360° of coverage.

FEATURES:

- Wall or Ceiling Mount
- 360° coverage
- Powered by a 3 Volt Lithium battery
- Low Battery condition signal transmission
- Test mode for glass break coverage and RF signal

INSTALLING THE BATTERY

The supplied 3 Volt Lithium Battery powers the unit. To install or replace the battery:

- Remove the cover on the 61A00-1
- If applicable, remove the old battery
- Install a new battery according to polarity

Use care when installing the battery and observe the correct polarity when the battery is inserted (See Figure 1). Use only Panasonic Lithium CR2 batteries for replacement.

WARNING! Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

OPERATION

The 61A00-1 transmits the following event data:
Supervision: A periodic transmission every 60 minutes to indicate detectors presence.

Alarm: Alarm transmission triggered by the sound of breaking glass.

Battery Low: Whenever the battery reaches a preset low level (2.4V) "Battery Low" signal will be sent with the next message (i.e. Supervision, Alarm, etc.).

Enrolling the 61A00-1:

To enroll the 61A00-1, put the 45A00-1 Wireless Receiver in to Setup mode, advance to an unused address location, and then press and HOLD the program switch located on the 61A00-1 circuit board (see Figure 1) for 1 second, and then release. The 61A00-1 will then send a series of transmissions and enroll the transmitter. Refer to the Installation Instructions for the 45A00-1 for additional information.

Zone Configuration:

Avoid configuring the 61A00-1 to a 24-hour zone type (e.g. tamper, panic, etc.), so that the sensor is armed while the room is in use. Instead, consider configuring the zone type as night interior or away interior. This will help prevent false alarms.

Note: The 61A00-1 may not consistently detect cracks in glass, or bullets which break through the glass. Glassbreak sensors should always be backed up by interior protection.

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**.

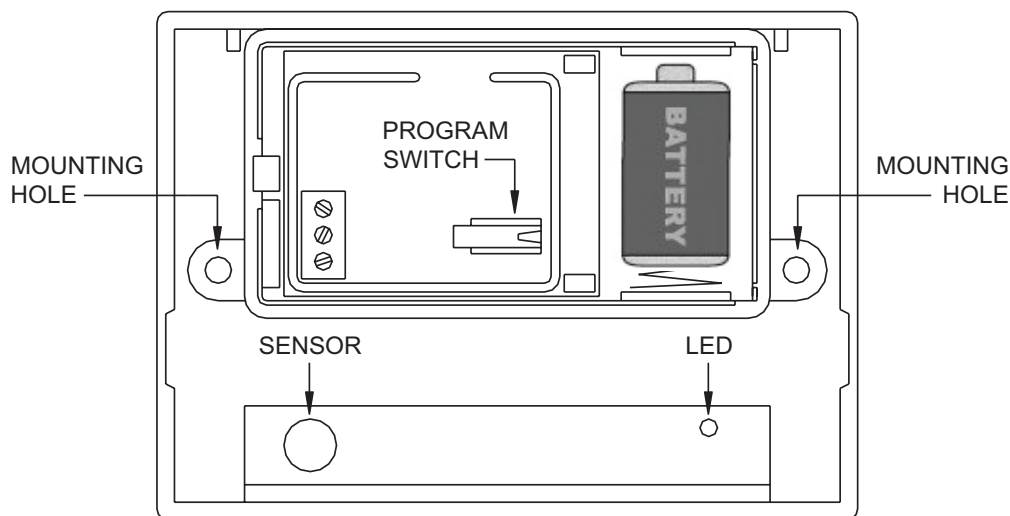


Figure 1 – Model 61A00-1 Glassbreak Detector

LEVITON LIMITED WARRANTY

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that products manufactured by Leviton under the Leviton brand name ("Product") will be free from defects in material and workmanship for the time periods indicated below, whichever is shorter: • **OmniPro II and Lumina Pro:** three (3) years from installation or 42 months from manufacture date. • **OmniLT, Omni Ite, and Lumina:** two (2) years from installation or 30 months from manufacture date. • **Thermostats, Accessories:** two (2) years from installation or 30 months from manufacture date. • **Batteries:** Rechargeable batteries in products are warranted for ninety (90) days from date of purchase. **Note:** Primary (non-rechargeable) batteries shipped in products are not warranted. **Products with Windows® Operating Systems:** During the warranty period, Leviton will restore corrupted operating systems to factory default at no charge, provided that the product has been used as originally intended. Installation of non-Leviton software or modification of the operating system voids this warranty. Leviton's obligation under this Limited Warranty is limited to the repair or replacement, at Leviton's option, of Product that fails due to defect in material or workmanship. Leviton reserves the right to replace product under this Limited Warranty with new or remanufactured product. **Leviton will not be responsible for labor costs of removal or reinstallation of Product.** The repaired or replaced product is then warranted under the terms of this Limited Warranty for the remainder of the Limited Warranty time period or ninety (90) days, whichever is longer. This Limited Warranty does not cover PC-based software products. **Leviton is not responsible for conditions or applications beyond Leviton's control. Leviton is not responsible for issues related to improper installation, including failure to follow written Installation and operation instructions, normal wear and tear, catastrophe, fault or negligence of the user or other problems external to the Product.** To view complete warranty and instructions for returning product, please visit us at www.leviton.com.

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WEB VERSION

SELECT MOUNTING LOCATION

Select a mounting location between 3' and 20' from plate, tempered, laminated, and wired glass; and between 3' and 12' from armor-coated glass. The 61A00-1 may be mounted on an opposite wall, adjoining wall, or on the ceiling. Coverage is measured from the 61A00-1 to the point on the glass farthest from the sensor.

Optimal Glass Size: 1' x 2' (.3m x .6m) or larger

Optimal Glass thickness:

Plate: 3/32" to 1/4" (2.4mm to 6.4mm)
Tempered: 1/8" to 1/4" (3.2mm to 6.4mm)
Wired: 1/4" (6.4mm)
Laminated: 1/8" to 1/4" (3.2mm to 6.4mm)

It is advisable to avoid the following locations:

- Noisy rooms with multiple noise sources (e.g. kitchens, garages, home theaters, small bathrooms, etc.)
- Small rooms (smaller than 10' x 10'), hallways, and stairwells
- Mounted in the corner of a room
- Rooms lined with sound deadening materials
- Rooms with closed wooden window coverings
- Humid areas
- Outdoors

The 61A00-1 performs best:

- At least 4' from noise sources (televisions, speakers, etc.)
- When the sensor is in the direct line of sight of all glass to be protected

MOUNTING THE DETECTOR

The 61A00-1 can be mounted to a wall or ceiling using the mounting holes (see Figure 1) with the supplied hardware. There is no front or back, up or down orientation of the sensor required.

Wall Mounting:

The best location for mounting the sensor is on the opposite wall, within the sensors range, and within the line of sight of the glass to be protected. The ceiling and adjoining (side) walls are also good locations.

Ceiling Mounting:

Mount the 61A00-1 in any type ceiling within the direct line of sight of the glass to be protected. A position of 6' – 10' into the room provides better detection.

TEST MODE

To test the 61A00-1, we recommend the use of a Sentrol 5709C hand-held tester. In normal mode, the LED on the 61A00-1 does not blink unless it hears a loud sound. It will not trip (cause an alarm condition) to the tester unless the tester is held next to the sensor.

To put the 61A00-1 into test mode, hold the tester's speaker directly over the sensor and fire the tester. When in test mode, the LED on the sensor will continually blink for one minute. Every time the tester is fired at the sensor, the test mode is extended for 1 minute. The 61A00-1 will automatically exit test mode approximately 1 minute after the last test fire from the tester.

NOTE: Every time the 61A00-1 trips (causes an alarm condition), the sensor goes into test mode for 1 minute.

Testing the Sensor:

Holding the tester near the surface of the glass to be protected, aim the tester at the 61A00-1 and press the test button. If window coverings are present, hold the tester behind the closed window covering (not recommended for use with heavy or lined drapes).

When the sensor is tripped (in an alarm condition), the LED on the 61A00-1 will illuminate solid for about 4 seconds. If the LED does not illuminate solid, but just continues blinking, reposition the sensor.

Hand Clap Test:

The 61A00-1 can be checked by at any time while in normal mode by clapping loudly under the sensor. The LED will blink two times but the 61A00-1 will not trip. This visually verifies that there is power to the unit and the microphone and circuit board are functioning.

SPECIFICATIONS

Housing material: Flame retardant ABS
Alarm duration: 4 seconds
Microphone: Omni-directional electret
Temperature range: 14° F to 120° F (-10° C to 50° C)
Dimensions: 4.24" W x 3.13" H x 1.7" D
Data Protocol: Leviton
Supervision Timing: 60 minutes
Battery Lithium: 3V Type: CR123A

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two 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.

WEB VERSION