

# WIRELESS DRIVEWAY SENSOR

## Cat. No. 63A00-1

### Installation Instructions and User's Guide

DI-021-SY631-00A  
(63100-1)

#### INSTALLATION

ENGLISH

#### WARNINGS AND CAUTIONS

- Read and understand all instructions. Follow all warnings and instructions marked on the product.
- Never push objects of any kind into this product through openings, as they may touch dangerous voltages.
- SAVE THESE INSTRUCTIONS.

#### DESCRIPTION:

The Model 63A00-1 Wireless Driveway Sensor uses Earth's magnetic field to detect large moving metal objects (such as automobiles) that pass by it. The Wireless Driveway Sensor can be used to turn on outdoor lighting when approaching, or used to alert homeowners when a visitor has entered the driveway. Since the 63A00-1 is wireless, there is no digging or underground cable required.

#### FEATURES

- Two unique mounting options included (ground stake or post/wall mount)
- Immune to pets, wildlife, leaves, dust, and sunlight
- Weatherproof design suitable for most environments
- Installation with no digging or underground cabling
- Strong, reliable RF signal • 3-5 year battery life
- Low battery and supervision signal transmissions

#### Notes:

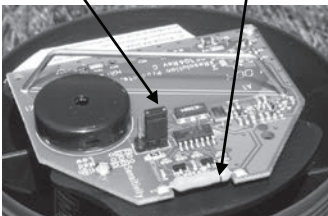
1. The positive side "+" of the battery must face away from springs. Secure batteries with binder.
2. The 63A00-1 should not be used as an alarm zone. It should only be used for automation purposes.
3. Mount sensor within 12 feet of target vehicle. Mount at least 24 feet from street.
4. Do not plug drain & air holes. Do not over tighten top.
5. Bumping the sensor will cause it to transmit.
6. When bench testing and enrolling, the 63A00-1 must be at least 10 feet from the wireless receiver.
7. Performance Effects: See Table 1.

#### CONFIGURING THE 63A00-1

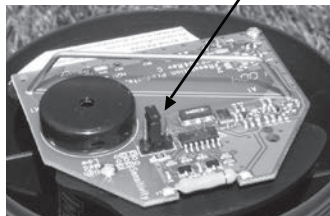
1. Unscrew the cap from the housing.
2. Remove the sensor from the housing by lifting up on the plastic mount. Do not pull out using the antenna!
3. Set the Sensitivity jumper to High, Med, or Low according to the application (see below).
4. Install two C cell batteries making sure to observe the correct polarity. Secure batteries with binder.
5. Insert the sensor back into the housing, making sure that it snaps in place.
6. Screw the cap onto the housing.

**Note:** after installing the battery, a special transmission occurs on power-up.

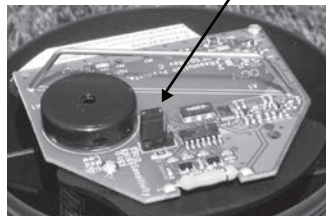
Jumper on Low Sensitivity  
Magnetic Sensor



Jumper on Medium Sensitivity



Jumper on High Sensitivity



#### TECHNICAL SPECIFICATIONS

|                         |                             |
|-------------------------|-----------------------------|
| Vehicle sense distance: | 0 – 15 feet                 |
| Mounting hardware:      | post flange or ground stake |
| Replacement batteries:  | C cell                      |
| Temperature range:      | 0°F to 120°F                |
| Housing dimensions:     | 5.1 x 3.8 inches            |



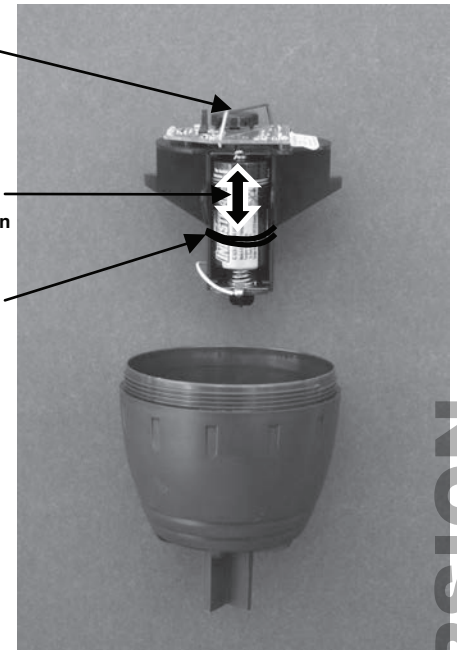
Table 1

| Increased Response  | Decreased Response                 |
|---|------------------------------------|
| Mounted close to vehicle  | Mounted far from vehicle           |
| Mounted higher (door handle level)  | Mounted at ground level            |
| Vehicle passing slow  | Vehicle passing fast               |
| Large metal vehicle   | Small vehicle with lots of plastic |
| Jumper on High Sensitivity  | Jumper on Low Sensitivity          |
| Generally, it shouldn't matter which direction the sensor head is rotated. But turning it 90 degrees may cause some performance change +/-. |                                    |

DO NOT pull antenna

Push battery down towards spring, and release to cause enrollment transmission

Batteries are secured by binder



#### 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**.

#### 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 ILE, 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](http://www.leviton.com).

## **ENROLLING THE 63A00-1**

To enroll the 63A00-1, put the 45A00-1 Wireless Receiver in to Setup mode, and advance to an unused address location. With the 63A00-1 at least 10 feet from the wireless receiver, install the batteries in the 63A00-1. When the batteries are first installed, a special transmission occurs on power-up that is used to enroll the device.

Alternatively, the 63A00-1 can be enrolled while mounted by rotating the sensor head approximately 90 degrees. When the sensor sends the transmission, you can hear some slight "clicking" coming from the device.

Refer to the Installation Instructions for the 45A00-1 for additional information.

## **OPERATION**

The 63A00-1 transmits the following event data:

**Supervision:** A periodic transmission at least once every 64 minutes to indicate detector is operational.

**Alarm:** Alarm transmission triggered by driveway sensor.

**Battery Low:** Whenever the battery reaches a preset low level, a "Battery Low" signal will be sent.

## **BATTERY**

Two C cell batteries are used to power the unit. The battery provides 3-5 years of continuous operation under normal operation. If the battery reaches a factory preset low level, the "Battery Low" signal will be transmitted.

**Note:** High temperatures and high humidity can have a significant effect on alkaline battery performance.



### **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.

FCC ID: U5X-RE304A

### **Industry Canada (IC) Notice**

This product meets the applicable Industry Canada technical specifications/Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada. 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.

IC: 8310A-RE304A

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