



Document Number: 63I00-1, Rev A
Installation Instructions

63A00-1

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:

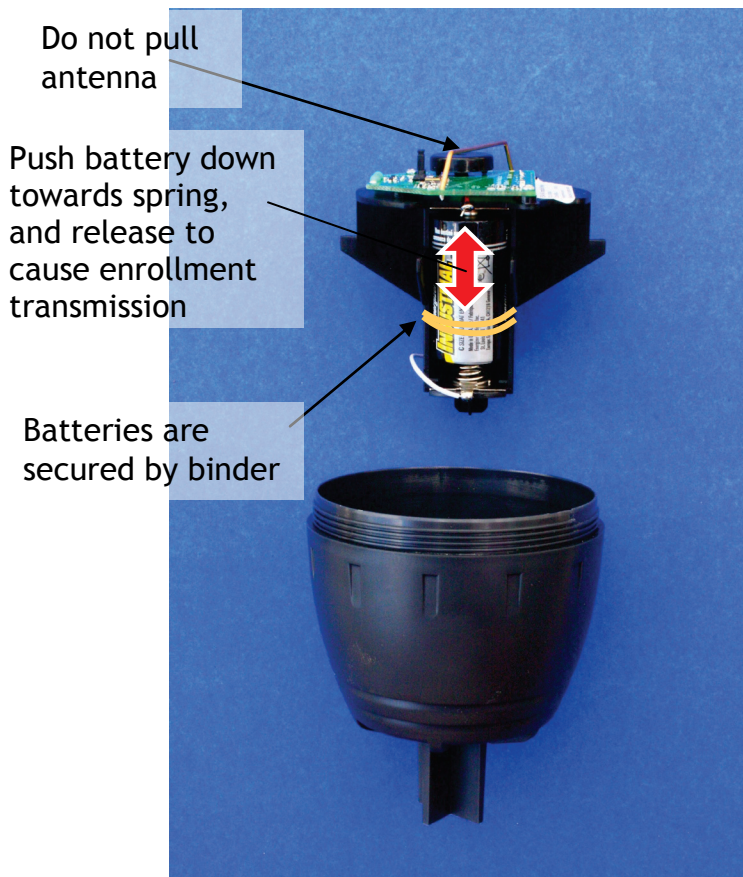
1. The positive side “+” of the battery must face away from springs. Secure batteries with binder.
2. The 63A00-1 should not be used as an alarm zone. It should only be used for automation purposes.
3. Mount sensor within 12 feet of target vehicle. Mount at least 24 feet from street.
4. Do not plug drain & 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:

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 +/-.	

Configuring the 63A00-1:

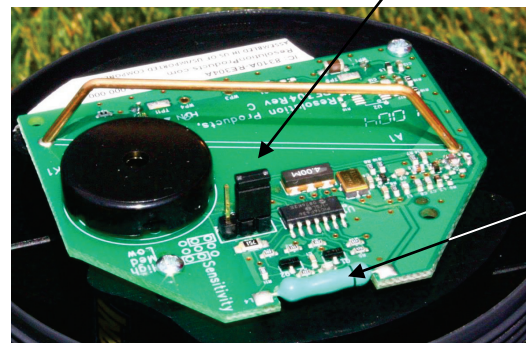
- 1) Unscrew the cap from the housing.
- 2) Remove the sensor from the housing by lifting up on the plastic mount. Do not pull out using the antenna!
- 3) Set the Sensitivity jumper to **High**, **Med**, or **Low** according to the application (see below).
- 4) Install two C cell batteries making sure 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.

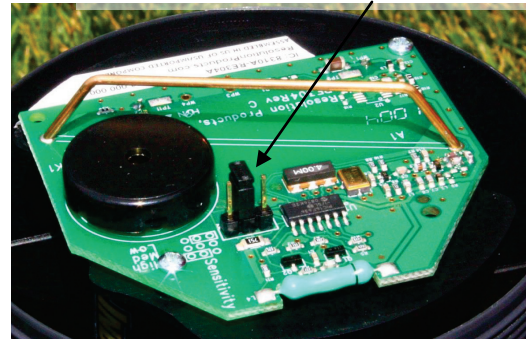


Exploded Picture

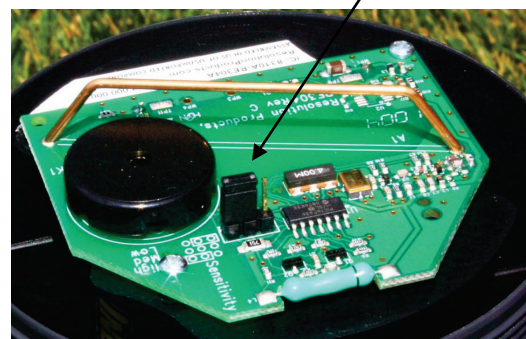
Jumper on Low Sensitivity



Jumper on Medium Sensitivity



Jumper on High Sensitivity



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.

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

Federal Communications Commission (FCC) Notice:

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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