Installing Batteries in the Driveway Sensor:
1. Open the sensor case by pulling the two halves apart.
2. Insert the two "C" alkaline batteries. Note the positive and negative battery orientation
3. Using the 4 included screws, screw the case back together tightly to provide a waterproof seal. Hand tighten the screws with a screwdriver. DO NOT USE AN ELECTRIC DRILL SINCE IT MAY OVER-TIGHTEN THE SCREWS.

Setting Up the Driveway Monitor Receiver:
Plug in the AC adapter and the 9-inch antenna which plugs into the antenna jack on the back of the receiver. The receiver will chirp and the POWER light will come on. The antenna should be vertical.

Testing the System Prior to Installation
The sensor and receiver are factory set to a unique code. Before installing the sensor outside, test the unit by rotating the driveway sensor (test the sensor more than 5 feet away from the receiver). The receiver will chime twice and the red ALERT light will flash for up to 15 minutes, or until you push the ALERT light.

If the receiver does not chime or the red ALERT light does not come on - refer to the Trouble Shooting section of the Reference Guide.

Mounting the Driveway Sensor:
1. Determine if you are going to need one or two stakes for your mounting. One stake is usually adequate for distances of up to 200 ft from the house. If your sensor is further - you may need to use both stakes for more height to give you adequate distance. If you are going to use both stakes - connect them together with the connecting piece.
2. Mount (pound into the ground) the Driveway Monitor stake on the side of the driveway.
3. Once the stake is in the ground, mount the driveway sensor onto the stake using the stake clamp as shown in the picture below. Do not pound the stake with the sensor attached.

Another option is to mount the sensor to a fence, tree, or post. The higher it is off the ground - the better is the range (distance from the receiver in the home.) The object to which you mount the driveway sensor must not move in the wind to avoid false triggers on windy days.

Whenever a vehicle drives by - you will be notified in the house. If you have any problems with:
• Getting the system to function,
• Getting the system to work from the end of your driveway,
• Making the volume higher or lower,
• Using 2 or more sensors or receivers with your system,
• or even buying additional accessories

PLEASE REFER TO THE REFERENCE GUIDE for further information.
DesignTech’s Driveway Monitor sends a wireless signal to your home to alert you when a vehicle passes by the sensor.

Contents:

How Driveway Monitor Works:
The driveway sensor uses a patented magnetometer sensor system. Movement of any large metallic object close to the driveway sensor will cause the sensor to transmit to the receiver. People and animals will not trigger the driveway sensor.

The receiver chimes and the red ALERT light flashes when a vehicle passes by the sensor. The red ALERT light continues to flash for up to 15 minutes, or until the red ALERT light is pressed. However, the receiver will chime each time a vehicle passes by the sensor even if the system is not reset each time. Note: The Driveway Monitor system will not detect vehicles for about 15 seconds after the receiver has last chimed.

Troubleshooting:
1. False Activations or Not Activating When It Should: If you get false activations when no vehicle is coming up the driveway, make sure the driveway sensor is 25 feet or more from the street. If you get false activations only on windy days, mount the driveway sensor to a very solid object that will not sway in the wind. (The sensor will trigger even if it is moved only a fraction of a degree).

If your system does not activate when it should or only responds to large vehicles, try moving the sensor closer to your driveway. You can test an installed driveway sensor without removing it from its mounted location by moving a large steel tool (such as a shovel) near the sensor. Please remember that the Driveway Monitor system will not detect vehicles for about 15 seconds after the receiver has last chimed.

Alternatively, you can change the driveway sensor's sensitivity level. The driveway sensor comes factory set to the 'medium' sensitivity setting which detects vehicles up to 7 feet away. If you get false activations when no vehicle is coming up the driveway, you may want to change the sensitivity setting to 'low', which detects vehicles up to 5 feet away. If on the other hand, your unit only responds to large vehicles or sometimes does not activate, change the sensitivity level to 'high', which will detect vehicles up to 10 to 12 feet away. Open the driveway sensor case and use the adjacant diagram to adjust the sensitivity. If you sensor is mounted solidly and will not sway in the wind - you may just want to use the 'high' sensitivity mode.

The range of the Driveway Monitor system varies. Line-of-sight, the driveway sensor should work up to 500 feet away from the receiver when mounted to the plastic stake in the ground. The system will work up to 1,000 ft away when mounted to a tree or larger post if placed 4 to 8 ft off the ground. If you do not have enough range - see the section on Insufficient Range on page 5.
Note: The Driveway Monitor's battery life is affected by these sensitivity settings:
- Low = 1 ½ year battery life
- Medium = 1 year battery life
- High = 1 year battery life

A weak battery may cause false activations or missed detections. The C cell Alkaline batteries in the Driveway Monitor sensor must be replaced every 1 to 1 ½ years, depending on the sensitivity setting.

2. Insufficient Range:
If your Driveway Monitor system works when the driveway sensor is close to the house but not when the driveway sensor is far away, the following adjustments may improve the range of the system:

- Note that the higher the sensor is off the ground, the further away the system will function. If you need more range (greater than a few hundred feet - you will need to use both stakes to get the sensor high enough off the ground. With the sensor mounted using one stake - you will get about 200 ft of range. With two stakes - this should give you well over 500 ft. You can get up to 1,000 ft of range if you mount the sensor unit directly to a tall post or tree (not using the stakes).

- Move the receiver to a room closer to your driveway. Place the receiver on a window sill that faces the driveway or on a table close to the window.

- Move the receiver farther away from computers, CD players, and cordless phones. These items may interfere with the operation of your Driveway Monitor system if you place the receiver too close to them.

- Moving the antenna 45° to the left or right of vertical will sometimes improve the range of the system.

- An optional long-range antenna is available (see Optional Accessories Section), which gives the system up to double the regular range.

3. Sensor Learning (do only if receiver does not respond to the sensor):
There are two ways to teach new sensors to the receiver. The first adds new sensors to the receiver. Existing sensors will still work with the receiver. The second procedure erases all learned transmitters and allows the user to re-teach new sensors to the receiver.

Adding New Sensors without erasing the original sensor
1. Unplug the power supply of the receiver.
2. Wait five seconds and then plug it in again.
3. The green light will burn briefly then go out as the red light turns on. As soon as the red light comes on, press and release the ALERT light. The red light will go out and the green light will blink, indicating the receiver is ready to learn a new code.
4. The green power light should flash indicating the receiver is in code learning mode. You have sixty seconds to learn the code of the new sensor.
5. Activate the new sensor by rotating the sensor until you hear a warbling chirp. (If you hear three separate chirps, like a small bird, the receiver already has that sensor learned in memory).
6. When all sensors have been learned, press the ALERT light briefly (you should hear several short beeps) and the receiver resumes normal operation or simply wait an additional 60 seconds and the receiver automatically exits the programming mode.

Clearing the Receiver's Memory and Re-learning New Sensors
1. Unplug the power supply of the receiver.
2. Wait five seconds and then plug it in again.
3. The green light will burn briefly then go out as the red light turns on. As soon as the red light comes on, press AND HOLD the ALERT light. The receiver will emit a rapid series of peeps and then a steady tone. Release the ALERT button.
4. The red light will go out and the green light will blink, indicating the receiver is ready to learn codes from sensors. You have one minute to teach each sensor.
5. Activate the new sensor by rotating it until you hear a response from the receiver.
6. If you want to learn additional sensors as NON-DIRECTIONAL devices, disconnect power at this point and go to "Adding New Sensors".
7. DIRECTIONAL PAIRS OF DEVICES: If the first sensor is learned
after the CLEAR ALL procedure, additional sensors may be learned in the same session. With this approach, all EVEN NUMBERED driveway monitor sensors will be “outbounders” and will prevent alarms. For example, suppose you place sensor A near the road and B near the house. Learn A first and then B in the same session. A car approaching the house from the road will result in a sound. A car leaving the house will illuminate the red light for fifteen seconds, and during this time the receiver will be muted.” If there are four sensors on a loop driveway, learn in the sequence outer-inner-outinner-inner.

Sound Notification for Two or More Sensors:
For each additional sensor learned, the receiver sounds two or more extra beeps when these sensors are triggered. These additional beeps indicate the order in which the sensor was learned. The original sensor beeps the one alarm or chime sound when triggered. The second learned sensor gives two extra beeps before the chime or alarm sound, the third sensor learned gives three extra beeps, etc . . .

4. Temporarily Silencing the Receiver
Sometimes you may wish to silence the receiver for several hours. For example, perhaps the 5AM garbage pickup triggers your sensor. To silence the receiver for up to ten hours:
1. Press and hold the ALERT light until you hear a steady tone.
2. The silenced, “sleep” state is indicated by alternating short blinks of the red and green lights for ten hours or until reset.
3. To resume normal operation, press the ALERT light again briefly.
NOTE: A power failure will cancel the sleep mode.

5. Adjusting the Volume
The receiver has two volume settings for the notification beep. The receiver is factory set to the highest setting. To lower the volume setting:
1. Unplug the power supply and antenna from the receiver.
2. Use a small screwdriver and carefully pry open the receiver case (often carefully prying the case open at the antenna jack area works best).
3. When the top of the case is removed, you will notice a small slide switch on the left side of the printed circuit board.
4. Use the diagram below to set Low or High volume
5. Snap the case back together.
6. Plug in the power supply and antenna.

Further Problems: Call DesignTech International, Inc. at 1-800-337-4468 and we will be glad to help you through any situations. DO NOT Return this product to the retailer - DesignTech will warranty any product issues directly.
Optional Accessories:

The **Long-Range Antenna** increases the range of the Driveway Monitor system up to double the regular range.

The **Plug-In Siren** increases the sound output of the Driveway Monitor.

**Motion Alert™** wirelessly detects the movement of anything that the unit is attached to: back yard gates, a tool shed doors, a garage door or anything else that can be moved.

You can use multiple sensors with one Driveway Monitor receiver. Each type of sensor will produce a different chime from the receiver when triggered. You can also have several Driveway Monitor sensors or Driveway Monitor receivers work together as a system.

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<th>ITEM</th>
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All prices are in US dollars and include shipping and handling. Contact your local dealer or call DesignTech to order.

This device complies with FCC Rules Part 15. Operation is subject to two conditions: 1) This device may not cause harmful interference, and 2) it must accept any interference received, including that which may cause undesirable operation.

FCC ID: ELGMOTION & ELGHOME
DOC: 1476 102 203 and 1476 102 203 A

User is cautioned that changes or modifications not expressly approved by DesignTech could void the user's authority to operate this equipment.

Covered under US Patent Numbers: 4,851,775 & 5,239,264