

Garage Sentry Instructions

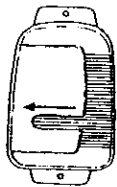
Model #30300v2

Garage Sentry tells you if your garage door is open or closed.

Thank you for purchasing DesignTech's Garage Sentry. You will now be able to tell if your garage door is open from inside your home. You will no longer need to run downstairs, go outside in bad weather or get up at night to see if the garage door was left open.

Caution: Make sure all people, pets, vehicles, and obstructions are clear of the garage door when testing the Garage Sentry. Note that Garage Sentry is for indoor use only.

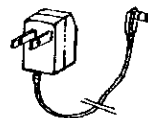
INCLUDED CONTENTS:



Sensor
(Transmitter)



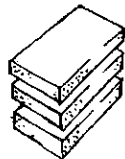
Garage Sentry
Monitor (Receiver)



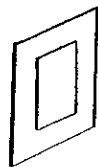
AC Adapter



2 Lithium Batteries
(CR2032)



3 Adhesive
Foam Spacers



Reflector
Backing



Alcohol
Cleaning Pad



Antenna

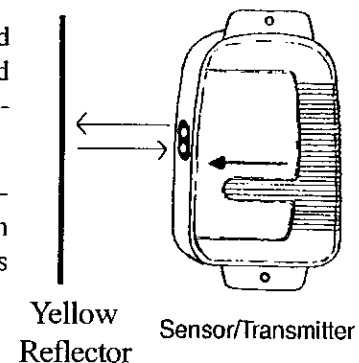


Yellow
Reflector

HOW THE GARAGE SENTRY WORKS

The Garage Sentry uses a Sensor mounted on the garage door and a Monitor located anywhere in your house to tell you if the garage door(s) are open or closed.

The Garage Sentry Sensor detects if the garage door is open or closed by sending out an invisible beam of infrared light. The beam is bounced back by the Yellow Reflector.



When the Sensor receives the signal from the yellow reflector, it signals the Garage Door Sentry Monitor that the garage door is closed with 3 beeps. A steady GREEN LIGHT on the Monitor indicates the garage door is closed.

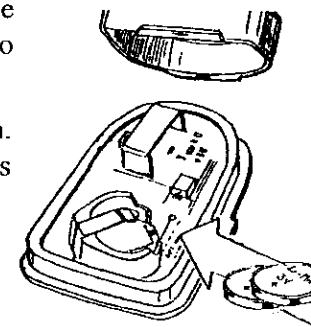
As the garage door moves up, the Garage Sentry Sensor breaks optical contact with the yellow reflector. When the Sensor no longer "sees" the yellow reflector, it signals the Monitor indicating the door is now open. A FLASHING RED LIGHT on the Garage Sentry Monitor accompanied by two beeps, indicates the garage door is open.

The Monitor beeps each time the garage door is opened or closed. If the door is left open, the Monitor beeps once every 5 minutes for 2 hours letting you know the garage door is open. (Note that all beeping can be silenced - see Turning off Garage Sentry Monitor Beeps on page 8).

Installation:

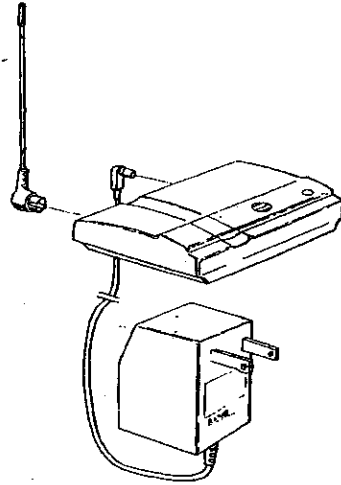
A. INSTALLING THE BATTERIES IN THE GARAGE SENTRY SENSOR

1. Insert a small coin or screwdriver into the slot at the side of the case. Gently twist to open.
2. Insert the two lithium batteries as shown. Be sure to note the + side of both cells must face upward.
3. Press the case firmly back together.



B. SETTING UP THE SYSTEM FOR THE FIRST TIME

4. Plug the Antenna into the back of the Garage Sentry Monitor. Make sure the antenna is pointing straight up.
5. Plug the AC Adapter into a nearby outlet. Plug the other end into the back of the monitor.



Both lights will flash. The monitor will then beep a number of times to indicate the number of sensors that have been learned. The monitor will beep once if 1 sensor is learned, twice for 2 sensors, not at all for 0 sensors, etc . . . If you have more beeps than you want sensors learned - you will need to follow the Sensor Learning steps on Page 6. - or you will experience difficulties).

C. TESTING THE SYSTEM BEFORE INSTALLATION

After the batteries are installed in the Garage Sentry Sensor, and the monitor is plugged in - but before mounting the sensor on the garage door, please perform the following test.

6. Place the Yellow Reflector (supplied) about 4 inches from the opening on the side of the Garage Sentry Sensor - as shown on the diagram on the top of the preceding page. The GREEN LIGHT on the Garage Sentry Monitor should be constantly ON indicating the garage door is closed.
7. Remove the Yellow Reflector and a FLASHING RED LIGHT on the Garage Sentry Monitor should come ON indicating the garage door is open.

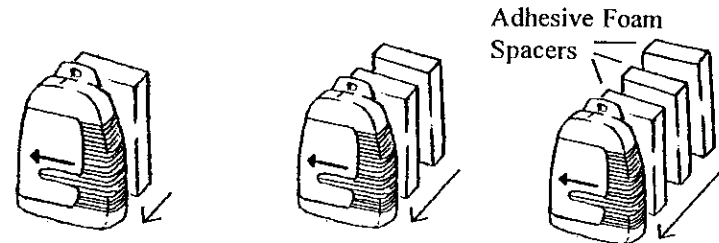
Each time the Yellow Reflector is placed in line with the Garage Sentry Sensor, and each time it is taken away - the Garage Sentry lights on the Monitor will change and you will hear a beep tone.

8. If the sensor does not behave as described in steps 6 and 7 above, see the Troubleshooting section at the end of this manual.

D. INSTALLING THE SENSOR

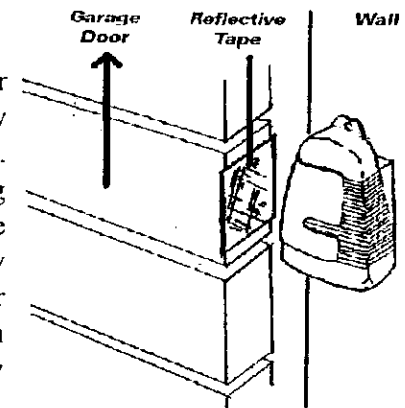
9. There are two methods for installing the sensor on the garage door. Please read through both options and then decide which one is easier for your particular setup. Both options require the Sensor to be 4 to 7 inches away from the yellow reflective tape. Any closer or further could cause false readings.

Note that both options require the Garage Sentry Sensor to be mounted with up to 3 of the adhesive foam spacers. The amount of spacers you use depends on how far off the mounting surface the Garage Sentry Sensor needs to be to optically be in-line with the Yellow Reflector. The opening on the side of the Garage Sentry Sensor is where the optical sensor is located. This is the side that needs to have a view of the yellow reflective tape. The following drawings show the Sensor with 1, 2 and 3 adhesive foam spacers. Make sure the wall is clean and free from dust and dirt before mounting the Sensor.



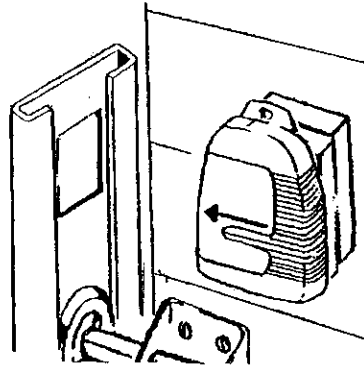
OPTION 1: This option has the Sensor mounted on the wall to the right side of the garage door - with the Yellow Reflector mounted on the side edge of the door.

Clean the area on the garage door where the sensor and the yellow reflector will go with the alcohol pad. Let it dry for a minute before applying the Yellow Reflector by peeling off the paper tape on the back of the Yellow Reflector. Make sure the garage door is in the fully closed position when aligning the Sensor with the Yellow Reflector.



NOTE: If you are mounting the Sensor on the left side of the garage door - you will need to turn the Sensor upside down so that the arrow points toward the Yellow Reflector on the left edge of the garage door.

OPTION 2: Mount the Garage Sentry Sensor on the inside of the garage door about 4 to 7 inches from one edge with the optical sensor opening facing the rail. The Yellow Reflector is to be mounted on the back of the metal rail in one of the large holes in the rail. These openings are normally used for the sliding bar used to lock the door. If you have one or more unused openings - you may use this option - otherwise - stay with Option 1. In this case - you will be using both the Yellow Reflector AND the Reflector Backing piece.



1. Clean the rail well with the alcohol pad - and let it dry a minute before applying the Yellow Reflector.

2. Peel off the center square liner from the Reflector Backing.

3. Peel off the backing on the Yellow Reflector.

4. Carefully place the Yellow Reflector in the center of the Reflector Backing with adhesive sides facing each other.

5. Peel off the remaining white liner

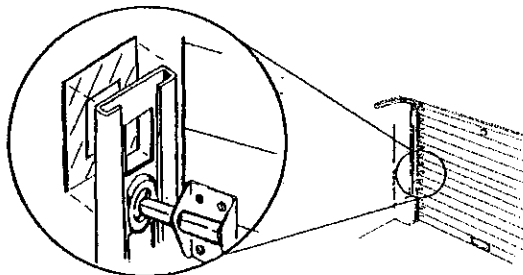
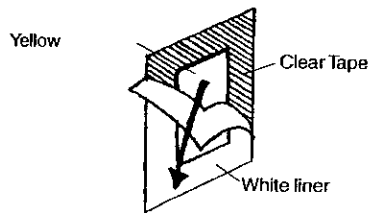
from around the Reflector Backing to expose the clear adhesive.

6. Now stick the tape adhesive facing the door to the outside of the rail.

Mount on the outside of the rail with the Yellow Reflector in the rail hole. Make sure the Yellow Reflector is visible through the hole in the rail.

NOTE that if you are mounting the Sensor on the right side of the garage door - you will need to turn the Sensor upside down so that the arrow points toward the Yellow Reflector in the rail opening.

You are now finished installing your Garage Sentry.

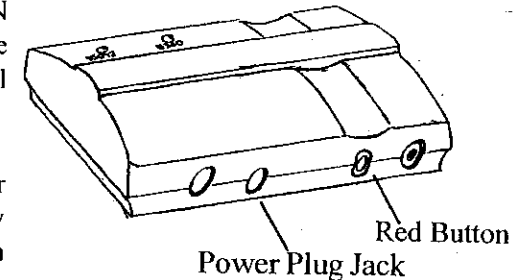


E. TROUBLESHOOTING

Sensor Learning (If Garage Sentry Monitor is not responding to the sensor)

A unique code is stored within each Sensor. For proper operation, it is necessary for the Garage Sentry Monitor to detect and remember this code. We call this procedure "Sensor Learning".

1. Unplug power from the Monitor. Wait 5 seconds. Push and hold-in (with a pen) the RED Button on the back of the Garage Sentry Monitor - and while still holding the Red Button in - plug the power plug back in. Both the RED and GREEN lights will flash once and the Garage Sentry Monitor will chirp once.



2. Using the tip of a pen or other pointed object, immediately press the little Red Button on the back of the unit - next to the antenna. The Garage Sentry Monitor will chirp again and the GREEN LIGHT will begin flashing.

NOTE: If more than a few seconds pass between steps 1 and 2, the RED LIGHT will begin flashing and STEPS 1 and 2 must be repeated.

3. Align the Sensor on the garage door with the yellow reflector on the rail. After a few seconds - move the door away.
4. The Garage Sentry Monitor will chirp when the code from the Sensor is detected and stored.
5. Press the little Red Button again to complete the process. The Monitor will chirp again.
6. If additional Sensors are to be used, repeat steps 3-4 for each additional sensor before continuing to step 5. As many as 4 sensors can be used with one receiver.

The Monitor is still not responding.

1. Always make sure the power is supplied to the Garage Sentry Monitor and that the batteries are correctly installed in the Garage Sentry Sensor.
2. Next double check that the hole in the side of the Garage Sentry Sensor is 4 to 7 inches away from the yellow reflective tape.

Nothing happens when the garage door is opened or closed.

1. The Monitor in the house may be too far away from the sensor.
2. The Garage Sentry Sensor code may not have been learned by the Monitor. Follow directions under "Sensor Learning" above.
3. The Sensor and yellow reflective tape may not be properly aligned. Also double check to make sure the Sensor and Yellow Reflector are between 4 and 7 inches apart. Refer to instructions under "Installing The Sensor".

Both RED and GREEN lights begin to flash.

This happens when the Garage Sentry Monitor has lost the Sensor and does not know the status of the garage door. The Monitor will start to blink this "No Signal Warning" 8 to 16 minutes after the last update signal from the garage door sensor.

1. The most common cause is low batteries in the Garage Sentry Sensor. Either test or replace the batteries to check. Also make sure the polarity (+ sign up) is the same with both batteries.
2. Another common cause is having the Garage Sentry Sensor and Monitor too far apart. You can test this by moving the Monitor closer to the garage area. If the Garage Sentry Monitor needs to be far from the Sensor - you may need to purchase the long range antenna shown under Optional Accessories on the last page.

Intermittent Response

If your Garage Sentry has been working correctly for some time but suddenly behaves inconsistently, or the lights on the Monitor begin to flash back-and-forth, it may be time to change the Sensor batteries. The Sensor batteries should be changed at least once per year or when an intermittent condition begins to occur.

The batteries in the transmitter should last over a year. When they need to be replaced - simply pry the case apart with a flat blade screwdriver and remove the old batteries - and replace with new ones. Note that the positive side of the batteries faces up.

Note: The system will sometimes take a few seconds to send a signal.

If a signal is missed, the Sensor constantly updates the Monitor by transmitting an open or closed signal every minute.

TURNING OFF GARAGE SENTRY MONITOR BEEPS:

The door status and reminder beeps can be turned off if desired.

1. Pull the power plug from the back of the Garage Sentry Monitor.
2. Press and hold the RED PROGRAMMING BUTTON at the back of the Garage Sentry Monitor while reinserting the power plug.
3. Continue to hold the RED PROGRAMMING BUTTON until the Garage Sentry Monitor beeps twice. **This will silence all beeps when the door changes position.** Please note: A single beep will still sound when the programming button is released, signaling an exit of the programming mode.
4. Repeat steps 1-3 to reset the unit back to the original sound setup.

OPTIONAL ACCESSORIES:

Additional Garage Sentry Sensors can be purchased if you have more than one garage door. The Garage Sentry Monitor can work with as many as 4 Sensors. With multiple Garage Sentry Sensors, the RED LIGHT will blink if any garage door is open.

Additional Garage Sentry Monitors can also be purchased to provide remote monitoring in other places in the home. A Long Range Antenna can be purchased that will almost double the working distance between the Garage Sentry Sensor and the Monitor.

Part	Model #	MSRP*
Extra Garage Sentry Sensor	30401	\$49.95
Extra Garage Sentry Monitor	30314	\$59.95
Long Range Antenna	30315	\$49.95
Extra Battery (CR2032 type)	20059	\$7.95 each

* (prices includes shipping & handling when ordering from DesignTech)



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