

# Household Alert

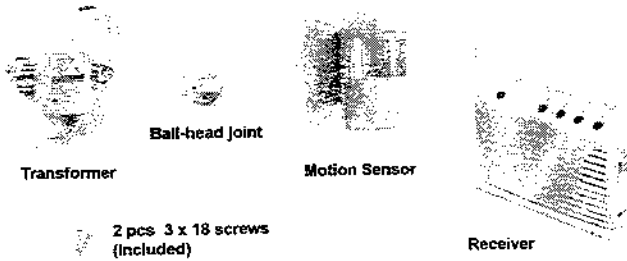
Model HA-318

## 1. INTRODUCTION

The Household Alert is designed to monitor movement around your house. The motion sensor can be placed either indoor or outdoor. Ideal applications include placing the sensor near the front door to detect visitors, mount the sensor near the driveway to detect activity on the driveway, placing the sensor indoor to monitor activity inside your house etc. Once motion is detected, the sensor will be triggered and transmit a wireless signal to the receiver inside your house and it will emit a beep and the light will flash as the indication of the sensor is triggered.

Please follow the instructions below to setup your motion sensor and the receiver.

In this package, you should find a motion sensor, a receiver, a transformer, user's manual, ball-head joint and screws.



## 3. POWER UP THE SENSOR AND RECEIVER

After setting up the sensor and receiver property, the units are now ready to be powered up.

Insert a 9V alkaline battery (not included) to the sensor and the LED will be turned on, then off after 2 seconds. The sensor requires a warm up time of approx. 45 seconds before it can function properly, so after powering up the sensor, place it in a location where no motion will be detected. After 45 seconds, the sensor is ready.

Plug in the transformer to the receiver, the green LED will start flashing indicating the receiver unit is powered up but no sensor is detected.

Now trigger the sensor by waving your hands in front of the sensor, the red LED on the sensor will be on, and one of the LED's on the receiver will flash, it will also emit a certain number of beeps depending on

## 1. CODE CONNECTORS

In order for the sensor to communicate with the receiver properly, the transmission code must match with the receiver's code. The code setting on the sensor is determined by the code connectors. Code connectors 1 to 6 can be found by opening the battery cover. User is required to set these code connectors randomly and the code settings on both sensor and receiver must be the same. Each position of the code connector can be set to "+", "-", or "0" positions. Refer to the diagram below to set the code connectors properly.



*Note: If you experience interference from a nearby system, which could accidentally trigger your system, please change the code settings on the sensor and receiver. The code setting on the sensor and receiver should still match after changing the code setting.*

## 2. ZONE NUMBER

Each receiver can work with up to 4 different sensors (to represent 4 different zones on the receiver), there are 2 connectors that determine the zone number 1, 2, 3, or 4. These 2 connectors can be found by opening the battery cover. Please follow the chart below to set the zone number. If the sensor is set to zone number 1, then the receiver zone 1 signal will correspond to this sensor.

## 2. SET UP THE SENSOR AND RECEIVER



Zone number connector

	A	B
Zone 1	-	-
Zone 2	-	+
Zone 3	+	-
Zone 4	+	+

"-" on the chart means the connector for that position should be removed. "+" on the chart means the connector for that position should be placed on the posts.

## 3. SENSOR SENSITIVITY

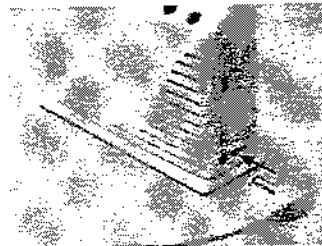
The sensitivity of the motion sensor is adjustable. The setting can be changed between "High" and "Low" depends on the actual application. Change the setting by placing the jumper connectors on either the "High" or "Low" position. When the sensitivity is set to "High", less movement is required to trigger the sensor, that means higher in sensitivity. It is recommended to set the sensitivity to "Low" and perform a "Walk Test" (Described in Section 5 - "Walk Test"). If the walk test result is satisfied, the sensitivity does not require to be adjusted further. If the walk test result shows the sensitivity is too low, then you can change the sensitivity setting by placing the jumper onto the "High" position. After changing the sensitivity setting, it is recommended to perform the walk test again.



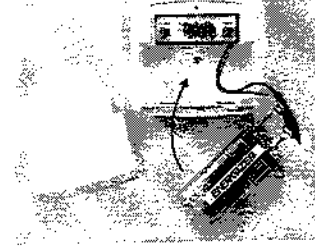
Sensitivity Connectors on Motion Sensor

## 4. INSTALLATION OF SENSOR

A ball-head joint is necessary to mount the sensor at a desire location. Once a location is selected, mount the ball-head joint to this location by screws provided, see figure 1). Once the ball-head joint is mounted to the wall, slide the back of the sensor into the ball-head joint (see figure 2). A different mounting angle can now be adjusted to suit your application. Please refer to Section 5 of this manual "Walk Test" to determine the best mounting angle for your sensor.



Plug in transformer to the receiver



Insert 9V alkaline battery to the sensor



FIG. 1



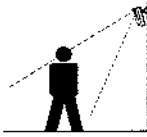
FIG. 2

## 5. WALK TEST

After mounting the sensor at the desired location, it is important to perform a walk test in order to determine if the sensor is detecting the only things you want to detect.

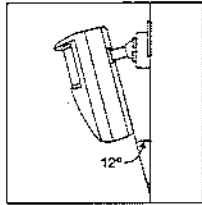
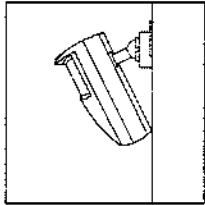
There are 2 things on the sensor you should adjust to suit your application:

- 1) Sensitivity
- 2) Mounting angle



1) Sensitivity - Sensitivity controls how responsive the sensor is in picking up movement within the detection range. If the sensitivity is set to low, severe movement is required to trigger the sensor. However, if the sensitivity is set to high, slight movement will cause the sensor to trigger.

2) Mounting Angle - In order to control how far the sensor can "see", this can be done by adjusting the angle of the sensor. To reduce the detection range, simply move the sensor downward. To increase the range, move the sensor up to around 12 degrees. This will give the maximum range. However, this may not be desired if the sensor is placed outdoors, since a false trigger may occur if the sensor is set to detect motion in a distance.



## 5. WALK TEST

You should walk in the area that you would like the sensor to detect and ensure the sensor can detect your movement. Also, it is important to walk in the area that you do not want the sensor to detect, and ensure motion in this undesired area will not be picked up by the sensor. You can adjust the 2 mentioned parameters in order to achieve the optimum setting.

*Tips: Avoid having the sensor face towards direct sunlight, placing near heat or cold producing devices (i.e. A/C or furnace vents, fans, ovens, space heaters etc.) that may cause false triggers.*

## 6. OPERATION

After the sensor is installed in place, and receiver is powered up, you may test the operation of both units. Walk in the sensor monitored area and you will see the sensor's red light turn on indicating the sensor is triggered.

If the sensor is set to zone 1, zone 1 red LED on the receiver will flash for approx. 15 seconds, and the receiver will emit a continuous "single beep", i.e. "beep" pause, "beep", pause..... etc.

If the sensor is set to zone 4, zone 4 red LED will flash for 15 seconds, and the receiver will emit a continuous "4 beeps" for 15 seconds, i.e. "beep beep beep beep" pause "beep beep beep beep" pause .....etc.

By the number of beeps emitted by the receiver, user can identify which zone is triggered. The system you have purchased Model HA-318, it can work with up to 4 different sensors. Please check section 10 of this manual, "Accessories" to see what kind of sensor can be added to your system. These additional sensors are sold separately.

## 7. BUZZER VOLUME

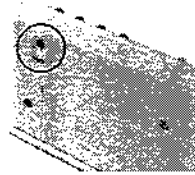
You can select the buzzer volume by switching the volume switch to "HI" or "LO" position.

The buzzer can also be disabled by switching off the power of the buzzer, which can disable the buzzer from sounding.



## 8. MUTE

Instead of disabling the buzzer, you can also mute certain zone from sounding when that zone is activated. This is extremely useful when the receiver is working with the Garage Door Monitor™ (optional), while the door will be intentionally opened for a long period of time and getting the continuous audio indication, which may not be desired. When the mute button is pressed, it will only temporarily disable the buzzer sounding from that specific zone, if another zone is triggered, the buzzer will still sound.



## WARRANTY

If, within one year from date of purchase, this product should become defective, due to faulty workmanship or materials, it will be repaired or replaced, without charge. Proof of purchase is required.

## NOTE

If you would like to order Skylink's product or have difficulty getting your Skylink's Household Alert to work, please:

1. visit our website FAQ at [www.skylinkhome.com](http://www.skylinkhome.com), or
2. email us at [support@skylinkhome.com](mailto:support@skylinkhome.com) (reply within 24 hrs), or
3. call our toll free at 1-800-304-1187 from Monday to Friday, 9 am to 5 pm EST.

## CUSTOMER SERVICE

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Customer Service : (800)304-1187

From 9am to 5pm EST (Mon-Fri)

<http://www.skylinkhome.com>

P/N: 101A205 Rev.0

Patents Pending

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## FCC

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.

### WARNING:

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

### NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.