

# Indoor/Outdoor Motion Sensor

Model HA-318T

## 1. INTRODUCTION

The Indoor/Outdoor Motion Sensor is designed to monitor movement around your house. The motion sensor can be placed either indoor or outdoor. Once motion is detected, the receiver will beep & flash.

In this package, you should find an Indoor/Outdoor Motion Sensor, ball-head joint, screws and a clip.



Please follow the instructions below to setup your Indoor/Outdoor Motion Sensor.

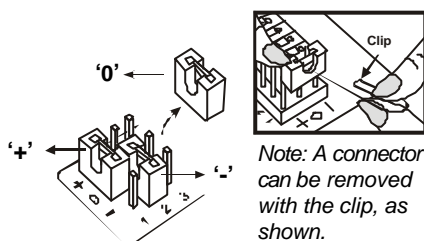
## 2. SET UP CODE CONNECTORS AND ZONE CONNECTORS

### 1. CODE CONNECTORS

In order for the sensor to communicate with the receiver properly, the sensor's code must match with the receiver's code. Code connectors 1 to 6 can be found by opening the battery cover and the back cover of the receiver. User is required to set these code connectors randomly and the code settings on the sensor and receiver must be the same. Each position of the code connector can be set to "+", "-", or "0" position. Refer to the diagram below to set the code connectors properly. If the connector is placed on the top and middle posts, that column is set on "+". If the connector is placed on the middle and bottom posts, that column is set on "-". If the connector is removed completely, (not placed on any posts), it is set to "0". (see diagram for examples of how to set a column to the three different positions).



Code Connectors on Motion Sensor



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 CONNECTORS

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 and 4. These 2 connectors can be found by opening the battery cover. Please follow table 1 to set the zone.



Zone connectors

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

Table 1

"+" in the table means the connector for that position should be placed on the posts.

"-" in the table means the connector for that position should be removed.

## 3. POWER UP THE INDOOR/OUTDOOR MOTION SENSOR

### 1. POWER UP

After setting up all the connectors properly, the sensor is now ready to be powered up.

Insert a 9V alkaline battery (not included) to the motion sensor and its LED will be on for 2 seconds. The receiver will beep and red LED flash. The sensor requires a warm up time of approx. 45 seconds before it can function properly. After powering up the sensor, face it to the wall where no motion will be detected. After 45 seconds, the sensor is ready. Wave your hand in front of the sensor, the receiver will beep and red LED will flash for approx. 15 seconds.



Insert 9V alkaline battery to the sensor

### 2. SENSOR SENSITIVITY

The sensitivity of the motion sensor is adjustable. Change the setting by placing the connector on either the "High" or "Low" position. When the sensitivity is set to "Low", more movement is required to trigger the sensor. It is recommended to set the sensitivity to "Low" and perform a "Walk Test" (Described in Section 4 - "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 to "High". Please perform the walk test after changing the sensitivity setting.



Sensitivity Connectors on Motion Sensor

### 3. MOUNTING

A ball-head joint is necessary to mount the sensor at a desired location. A height of 5-6 ft is recommended, depending on your application. Once a location is selected, mount the ball-head joint to this location by screws provided, (see diagram 1). Once the ball-head joint is mounted to the wall, slide the back of the sensor into the ball-head joint (see diagram 2). The mounting angle can be adjusted. Please refer to Section 4 "Walk Test" to determine the best mounting angle.



Diagram 1



Diagram 2

### 4. 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 things you want to detect.



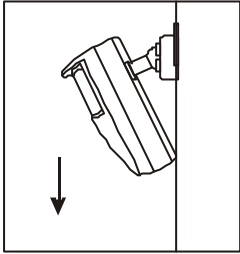
In order to control how far the sensor can "see", this can be done by adjusting the angle of the sensor. To reduce the detection range, simply move the sensor downward. To increase the range, move the sensor up to around 12 degrees. This will give the maximum range. However, this may not be desired if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

You should walk in the area that you would like the sensor to monitor. The receiver will beep if the sensor detects your movement. If the receiver does not respond, adjust the mounting angle accordingly. Perform the walk test again after 30 seconds. Repeat this procedure until your motion is detected. There should be no movement in the detected area during the 30 seconds.

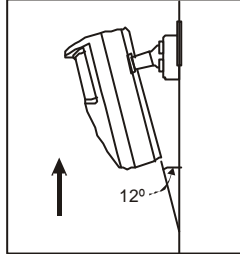
### 3. POWER UP THE HOUSEHOLD ALERT® RECEIVER AND INDOOR/OUTDOOR MOTION SENSOR (CONT)

Perform walk test in the undesired area to ensure movement cannot be detected.

*Tips: The sensor should not face towards direct sunlight, placing near heat or cold producing devices (i.e. A/C or furnace vents, fans, ovens, heaters etc.) that may cause false triggers.*



Move the sensor downward to reduce the range.



Move the sensor up to around 12° to give maximum range.

### 4. OPERATION

When motion is detected in the monitored area, the sensor will send a signal to the receiver. It will beep and the corresponding zone red LED will flash for 15 seconds.

If the sensor is set to zone 1, zone 1 red LED on the receiver will flash, 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, and the receiver will emit a continuous “4 beeps”, 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.

### 5. LOSS OF SIGNAL INDICATION

When the battery level on the sensor drops to a certain level, or the sensor is out of the operating range, the receiver will show a “loss of signal” indication. The red LED representing that zone will flash rapidly, i.e. if zone 1 sensor is lost, the zone 1 red LED will flash rapidly.

When the loss of signal indication occurs, move the receiver closer to the corresponding sensor and trigger that sensor. If the red LED stops flashing rapidly, that means the receiver or sensor needs to be relocated. If the “loss of signal” indication persists, replace the battery of that sensor.

### 6. OTHER HOUSEHOLD ALERT® SENSORS

The Household Alert® receiver can work with up to 4 different sensors: garage door monitor sensors, door / window sensors, water sensors, indoor/outdoor motion sensors, etc. Please visit [www.skylinkhome.com](http://www.skylinkhome.com) or contact us at [support@skylinkhome.com](mailto:support@skylinkhome.com) for more information of how to fully utilize your Indoor/Outdoor Motion Sensor.



### 7. 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.

### 8. WARRANTY

If, within one year from date of purchase, this product should become defective (except battery), due to faulty workmanship or materials, it will be repaired or replaced, without charge. Proof of purchase and a Return Authorization are required.

### 9. CUSTOMER SERVICE

If you would like to order Skylink's products or have difficulty getting them to work, please :

1. visit our FAQ section 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. Fax +800 286-1320

#### CUSTOMER SERVICE

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