# Indoor/Outdoor Motion Sensor

**Model PS-101**

## 1. INTRODUCTION

The Motion Sensor is designed to monitor movement around / within your house. Once motion is detected, the control panel will either alert you or alarm will be triggered.

In this package, you should find a motion sensor, ball-head joint, 9V Alkaline battery and screws.
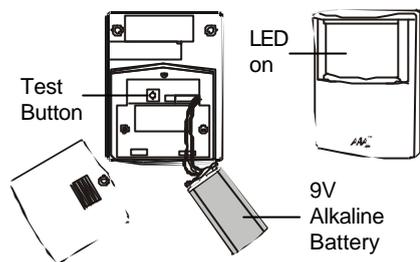


**Ball-head joint**

**9V Alkaline battery**

**2 pcs 3 x 18 screws (Included)**

**Indoor/Outdoor Motion Sensor**

Please follow the instructions below to setup your motion sensor.

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

Insert a 9V alkaline battery (included) to the motion sensor and its LED will be on for 2 seconds.



Test Button

LED on

9V Alkaline Battery

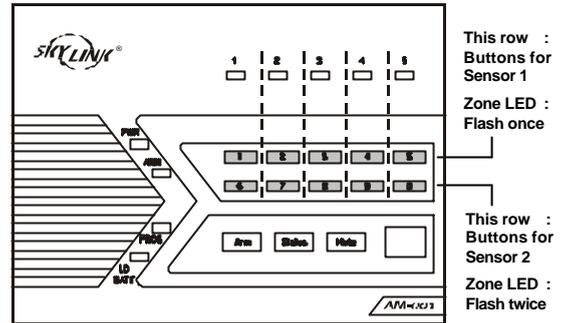## 3. LEARN SENSOR TO AAA+™ CONTROL PANEL

In order for the sensor to communicate with the control panel properly, the sensor must be programmed to the control panel. Follow the brief instructions below or refer to the detail instructions from the AAA+™ User's Instructions to program the sensor to the control panel.

| Step | Keys | Function | Description | Note |
|---|---|---|---|---|
| 1 | ☞ [PROG] [MPIN] | Enter Programming mode | Enter master password to programming mode | 3 beeps for valid password. 1 long beep for invalid password. |
| 2 | ☞ [3] | Select learn sensor programming | | After [3] is entered, some zone LEDs will flash once, or twice, some will be off. The zone LEDs represent whether that zone is already occupied by another sensor. **See Table A below. |
| 3 | ☞ [0] to [9] | Select sensor location | Refer to the diagram below to select the sensor location, which includes the zone and sensor number. | After you have selected the zone, that zone LED will be on. |
| 4 | ☞ Activate the sensor by pressing the test button | Activate sensor | Once the sensor is activated, the signal will be transmitted to the Control Panel which will be stored. | You will hear [**Zone X Sensor Y Accepted**], where X and Y are the zone and sensor numbers you have selected. |

| ZONE LED | DESCRIPTION |
|---|---|
| Off | Zone is not occupied by any sensor |
| Flashes once | This zone is occupied by sensor 1. |
| Flashes twice | This zone is occupied by sensor 2. |
| Flashes once, then twice | This zone is occupied by sensors 1 and 2. |

** **Table A:** Zone LED status for learning sensors.

## 3. LEARN SENSOR TO AAA+™ CONTROL PANEL (CONT)



This row : Buttons for Sensor 1
Zone LED : Flash once

This row : Buttons for Sensor 2
Zone LED : Flash twice

| | SENSOR 1 | SENSOR 2 |
|---|---|---|
| Zone 1 | Button [1] | Button [6] |
| Zone 2 | Button [2] | Button [7] |
| Zone 3 | Button [3] | Button [8] |
| Zone 4 | Button [4] | Button [9] |
| Zone 5 | Button [5] | Button [0] |

*Note:*
*Each location is allowed to learn one sensor only. Learning a sensor to a location will clear the memory of the sensor previously learnt.*

If you are planning to install the motion sensor outdoor, you should reduce the sensitivity by placing the jumper at location "2".
For indoor application, if you want to reduce the sensitivity, you can change the jumper setting to "2" as well.



Sensitivity Jumper
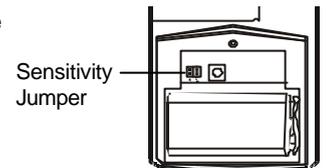
| Jumper Location 1 | High Sensitivity |
|---|---|
| Jumper Location 2 | Low Sensitivity |

*Caution:*
*Depending on the environment, if you experience a false trigger when the motion sensor is placed outdoors, you should relocate it or even place it indoors. Wind blowing at a tree, or direct sunshine could cause a false trigger. Therefore, if the location at where the motion sensor is mounted could cause a false trigger, you should change the mounting location for such sensor.*

For outdoor monitoring, please refer to AAA+™ User's Instructions to program the motion sensor to Alert Zone.

## 4. INSTALLATION

You may now close the battery cover and re-insert the screw. Mount the ball-head joint on the wall with screws provided. Slide the back of the sensor into the ball-head joint. The mounting angle can be adjusted.
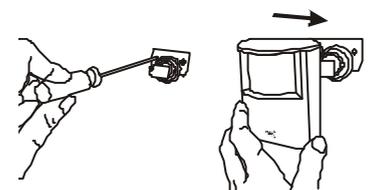
## Testing

Walk test should be performed after the motion sensor is mounted.  Walk in the detected area, if motion is detected, a red light inside the sensor will glow.  If the red light does not glow, motion has not been detected and you may need to re-position the sensor.  Ensure you walk test all the locations that you would like the motion sensor to cover.

*Note:*
*- Perform the walk test after you
  have inserted the battery for more
  than 1 minute.*
*- Before performing the walk test,
  the sensor should not detect any
  motion.*
*- After motion is detected once,
  the sensor will not be triggered
  unless no motion is detected for
  20 seconds. Therefore, wait for
  at least 20 seconds during walk
  testing between 2 activations.*

DETECTING AREA:   (Unit = meter)
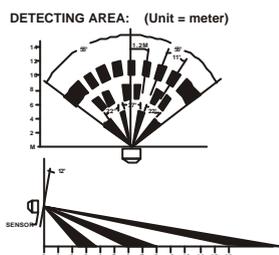


*Caution:*
*When installing the motion sensor, avoid placing it near heat or cold
producing devices (i.e. A/C or furnace vents, fans, ovens, space heaters,
etc). Air movement, especially caused by changes in temperature may
trigger the Motion Sensor and cause false alarms.  Please carefully test
your Motion Sensor so that it will only be triggered by wanted movement.*

The motion sensor is designed to detect the "First Motion".  First Motion means the first movement picked up after 20 seconds without motion detected.  So if you continue to walk in front of the motion sensor, it will only pick up the first motion.  Unless you wait for 20 seconds, then walk again, the control panel will respond.  Otherwise, the control will only respond to the first motion.

## Sensor Failure

The control panel constantly monitors its sensors, if the control panel fails to communicate with any sensors, it will notify the user by:

1. The zone LED of the failed sensor will be on steadily;
2. Voice announcement "zone X sensor Y failure" will be played.

When sensor failure occurs, try the following:

1. Check if the sensor is located at where it should be, and whether there is any physical damage to the sensor.
2. If the failed sensor is not physically damaged, try to activate the sensor and see if the control panel reacts to such activation.
3. If not, try to remove the sensor from its location, and bring it closer to control panel and activate the sensor.  It is possible that the sensor is installed too far from the control panel and it cannot establish a steady communication with the control panel.  If this is the case, please install the sensor closer to the control panel.

## Sensor Low Battery

Depending on the operating condition and environment, the battery life is approximately 9 months.

When the sensor is running low in battery, the sensor will send a wireless low battery signal to the control panel.  The zone LED representing that sensor will be on steadily, indicating sensor(s) in that zone is in trouble condition.  Control Panel will also have an announcement to advise the user the trouble condition is low battery, such as "zone X sensor Y low battery", where X and Y represent the zone and sensor number. Please replace the battery of that sensor.

The AAA+™ control panel can work with different accessories include: Garage door monitor™ sensor, Indoor/outdoor motion sensor, Audio sensor, Remote control, Audio Alarm, etc. Please visit www.skylinkhome.com or contact us at support@skylinkhome.com for more information of how to fully utilize your Motion Sensor.

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 dose 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.

**Declaration of Conformity**
This equipment complies with the requirements relating to electromagnetic compatibility, EN 301489-3:2002, EN300220-3:2000, EN60950-1:2001, EN50371:2002. This equipment conforms to the essential requirement of the Directive (1999/5/EC) of the European Parliament and of the Council.

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.

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, or
2. email us at support@skylinkhome.com, or
3. call our toll free at 1-800-304-1187 from Monday to Friday, 9 am to 5 pm EST.
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