

# Motion Sensor

Model ID-318

## 1. INTRODUCTION

Thank you for your purchase of a SkylinkHome™ Motion Sensor, Model ID-318. The Motion Sensor allows you to activate a receiver module to turn lights on automatically when movement is detected. A built-in countdown timer can turn lights off after a predefined time period. This is ideal for energy saving purpose where an area is not always occupied but lighting is needed when someone is present. A built-in light sensor can also be used so the lights will not be on when the monitored area is bright enough even if movement is detected there.

All wireless signal communications within the SkylinkHome™ System are based on rolling code technology to ensure highest security is used.

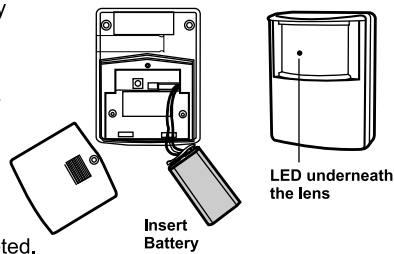
The following items are included in this package:

- Motion Sensor ID-318
- Ball Joint and Mounting Accessories
- User's Instructions



## 2. POWER UP

1. Undo the screw on the battery door and remove the battery door from the sensor.
2. Insert a 9V alkaline battery (Not included) to the sensor and its LED on the front will be on for 2 seconds.
3. You may leave the battery door open until all programming steps are completed. Then tighten the screw on the battery door.



## 3. PROGRAMMING MOTION SENSOR TO RECEIVER MODULE

In order to activate a receiver module for automatic control with a Motion Sensor, it must be programmed to the receiver module.

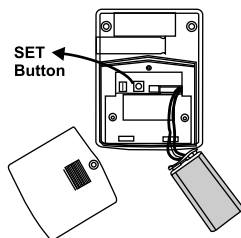
To program a remote to the receiver module, a "Learn" code must be transmitted, follow the instructions below to transmit the "Learn" code to the receiver.

1. Undo the door screw on the back of the motion sensor and remove the battery compartment door.
2. Put the receiver module that you plan to program into programming mode. Refer to the User's Instructions of that receiver module.

Note: For receivers WE-001, PA-318, you must program the Motion Sensor in Countdown Timer Mode. When movement is detected, the light will be on for a fixed time period.

For receivers PL-318, PR-318, PR-318S, WR-001, LS-318, you may program the Motion Sensor in Countdown Timer Mode or Flashing Alert Mode. Under Flashing Alert Mode, the light will flash for a fixed time period when movement is detected.

3. Once the receiver is in programming mode, you can transmit a "Learn" code from the Motion Sensor by pressing the "SET" button on the Motion Sensor.
4. Once the motion sensor is programmed, the receiver module will quit from programming mode. Programming is now completed.



### Learn Code

Follow steps 3 above to transmit the "Learn" code when programming the Motion Sensor to receiver modules.

After programming the Motion Sensor to certain receivers, such as MR-318, MD-318, LS-318, LX-318, the connected load (i.e. the light) may stay on depending on the light status before programming. If the light is on, you may turn off the light by the following methods:

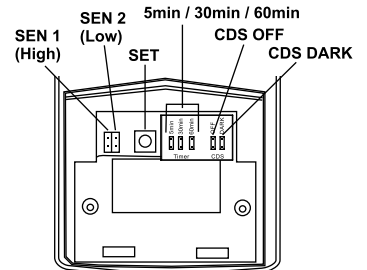
## 3. PROGRAMMING MOTION SENSOR TO RECEIVER MODULE (CONT)

- 1) Use another transmitter with on / off function to turn off the load,
- 2) Turn off the light manually by the wall switch (if the load is connected to a wall switch)
- 3) Activate the motion sensor so that the light will be off after the countdown timer.

You may program the motion sensor to different receiver modules, so when the motion sensor is activated, all the receiver modules will be activated.

## 4. CUSTOMIZING THE MOTION SENSOR

To customize your motion sensor, open up the battery compartment door and set the jumper connectors according to your needs.



**SEN 1, SEN 2** - SEN 1 for high sensitivity, SEN2 for low sensitivity. The sensor in high sensitivity can monitor further movement, up to about 11 meters and less movement is required for activation. The sensor in low sensitivity can monitor movement within a shorter distance and more movement is required for activation. Set the jumper connector at either one of these positions.

**SET Button** - For programming the Motion Sensor.

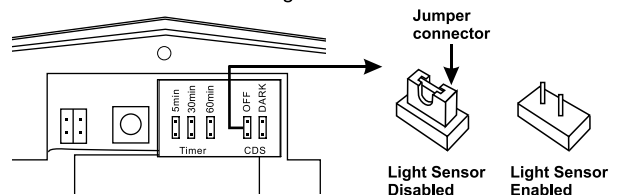
**5 min / 30 min / 60 min** - For setting the countdown timer duration. For example, you may set the connector at the 5 min position so the light will be on when a motion is detected and be off 5 minutes later if no more motion is detected.

Each of these receiver modules, Model PA-318, PR-318, PL-318, LS-318, WE-001, WR-001, has its own countdown timer duration setting. However, when a motion sensor is programmed to any one of these receiver modules, the motion sensor timer duration setting overrides the timer duration setting of the receiver module. Therefore, when movement is detected by the motion sensor, the duration will be based on the motion sensor timer setting.

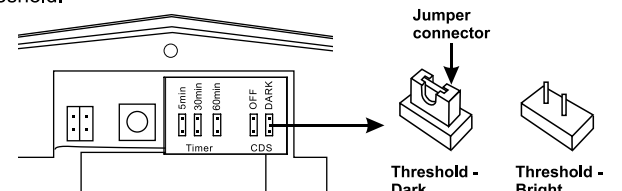
You may also move the timer jumper connector away, (no jumper connector at 5 / 30 / 60 minute). In this case, the light will be on when motion is detected and it will not be turned off by the built-in countdown timer. You must use other device such as a remote control to turn it off. There are some situations where this is desirable. For example, a motion sensor installed in a conference room will turn on the lighting when someone walks into the room, and the lighting should remain on until someone leaves the room and turns off the lighting manually. Without this setting (no timer), during the meeting, the lighting may be turned off if no movement is in the monitored area.

**CDS (Light Sensor) OFF** - If the jumper connector is in place, the CDS light sensing function will be disabled, meaning even it is very bright, if movement is detected by the motion sensor, it will still send a signal to activate the receiver.

If the jumper connector is removed, light sensor function will be enabled, meaning the light will only be on if motion is detected and the brightness of the monitored area is low enough.

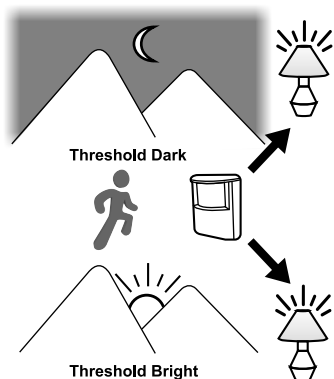


**CDS DARK (Light Sensing Threshold)** - For setting the light sensing threshold.



#### 4. CUSTOMIZING THE MOTION SENSOR (CONT)

If the jumper connector is in place, the light sensor threshold is set to dark, a motion activation signal will not turn on the lighting receiver unless the environment is really dark.



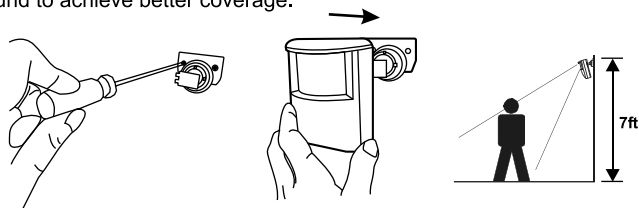
If the jumper connector is removed, the light sensor threshold is set to dim, a motion activation signal will turn on the lighting receiver even the environment is not so dark.

You should set the desired light sensing threshold by trial and error.

After setting all the jumper connectors, you may place the battery compartment door back on and tighten the screw. You may now mount the motion sensor at the desired location where movement will be monitored.

#### 5. INSTALLATION

You can use the mounting accessories to mount the Motion Sensor on a wall. First, mount the ball joint on the wall, then slide the Motion Sensor on the ball joint. You should mount it at a height of about 7ft from the ground to achieve better coverage.



#### 6. TESTING AND OPERATION

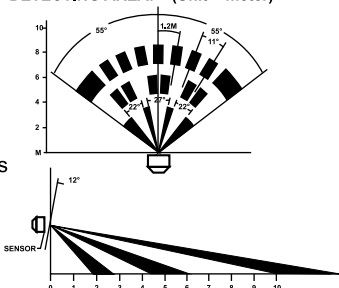
##### Walk Test

Walk test should be performed after the motion sensor is mounted. Walk in the covered area, if motion is detected, a red light inside the sensor will flash. If the red light does not flash, motion has not been detected and you may need to re-position the sensor. Ensure you walk test the whole area 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.
- The sensor will not be triggered by a new motion unless no motion has been detected for 3 seconds. Therefore, wait for at least 3 seconds during walk testing to make a next movement.
- Disable CDS Light Sensor during walk test, re-enable it after walk test if needed.

DETECTING AREA: (Unit = meter)



##### Note:

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), and avoid pointing it to the moving objects like a window curtain. Air movement, especially caused by changes in temperature may trigger the Motion Sensor. Please carefully test your Motion Sensor so that it will only be triggered by wanted movement.

#### 7. ERASING MOTION SENSOR FROM RECEIVERS

There are 2 types of receivers and erasing transmitter from these 2 types of receivers are different. Please follow the erase procedure based on the receiver you have.

##### Type A) Self Erase - Model PL-318, PR-318, PA-318, LS-318, WR-001

Self Erase means there is a erase button on the receiver, by pressing this erase button, all transmitters can be erased.

To erase transmitters from these receivers, simply follow the instructions of these receivers. The erase procedure does not involve the transmitter.

#### 7. ERASING MOTION SENSOR FROM RECEIVERS (CONT)

##### Type B) Erase by Remote - Model LX-318, MD-318, MR-318, WE-001

Erase by Remote means there is no erase button on the receiver, so a programmed transmitter is needed in order to erase the memory of the receiver. You need to transmit a "Erase" code from the Remote. In this case, the remote is the Motion Sensor. Follow the instructions below to erase the Motion Sensor from the receiver.

1. Press and hold the SET button on the Motion Sensor for at least 2 seconds. Do not release this button until step 3.
2. Put the receiver that you want to erase the Motion Sensor from into programming mode. Refer to the User's Instructions of that receiver.
3. Once the receiver receives this "Erase" code, the receiver will indicate it has erased all Motion Sensors and other transmitters, and you may now release the button on the Motion Sensor.

##### Erase Code

Follow steps 2 and 3 above to transmit the "Erase" code when erasing the Motion Sensor from Type B receivers.

#### 8. BATTERY

When the LED does not flash (ON then OFF, etc) after the Motion Sensor is triggered or when the motion sensor does not control receiver after movement is detected, it is time to replace the battery. Refer to Section 2 for detailed instructions.

Note: Dispose of batteries properly.

#### 9. FCC

The Remote Control is approved by the FCC and it complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions :

1. This device may not cause harmful interference.
2. This device must accept any interference that may cause undesired operation.

##### WARNING:

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

#### 10. 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.

#### 11. CUSTOMER SERVICE

If you would like to

- find out the up-to-date specifications
- know more about features and applications
- download documents, i.e. user's instructions
- order Skylink products

or if you have difficulty getting products 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), 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

#### 12. ACCESSORIES

The SkylinkHome™ System consists of many other devices such as SkylinkPad™ Remotes, Motion Sensor, ON/OFF Wall Switch, Wall Dimmer, Plug-In Dimmer with or without Repeater, Plug-In ON/OFF Control (Outdoor/Indoor), Screw-In Dimmer, ON/OFF/Dimming Control, ON/OFF Control, Smart Button™ Garage Door Control, etc. Please visit Skylink website at [www.skylinkhome.com](http://www.skylinkhome.com) for more information.



##### CUSTOMER SERVICE

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