YOLINK

Outdoor Motion Sensor

YS7805-UC
Installation & User Guide
Rev 1.0

Thank you for purchasing YoLink products and for entrusting us with your smart home needs! Your 100% satisfaction is our goal. If you experience any problems with setting up your new YoLink Outdoor Motion Sensor, please give us a chance to assist you, before returning your purchase.

We at Customer Support are here for you.If you need any assistance installing, setting up or using a YoLink product or our app.

Find additional support and ways to reach us at:

www.yosmart.com/support-and-service

Or scan this QR code with your smartphone

Email us, 24/7 at:

service@yosmart.com

Call us, 9AM to 5PM Pacific Standard Time at:

(949) 825-5958

You may chat with us on Facebook (non-urgent matters):

www.facebook.com/YoLinkbyYoSmart

Sincerely,
Emily, Clair, James, Eric
Customer Support Team

Contents

Revised: 06/30/2021
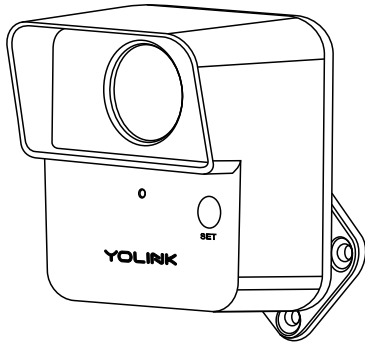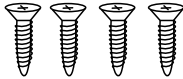
A. In the Box

A. Outdoor Motion Sensor
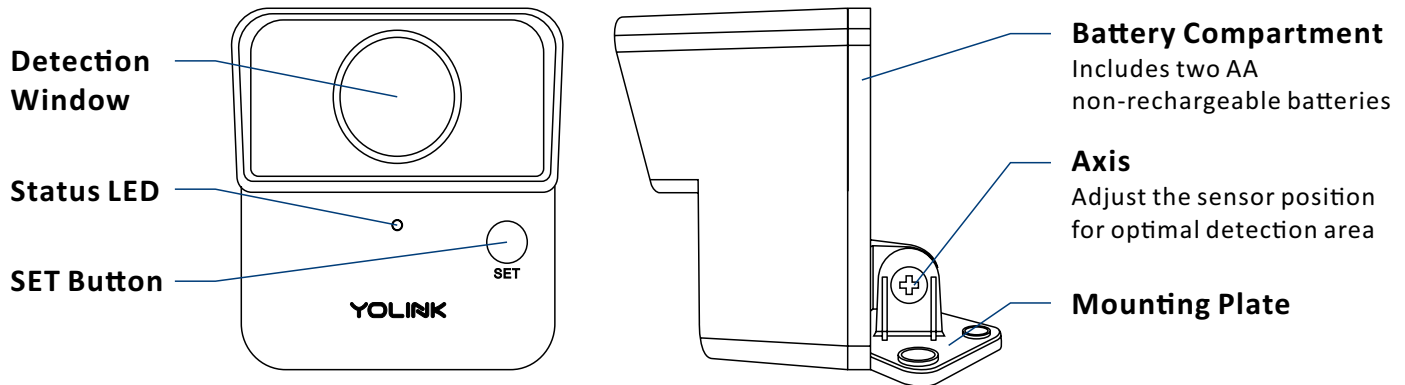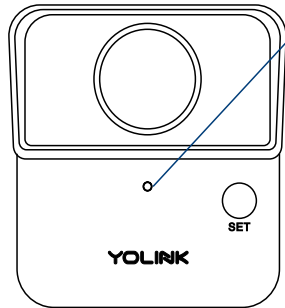
B. Wall Screws (M4, 4)

C. Quick Start Guide

A.

B.

C.

B. Introduction

The Outdoor Motion Sensor can be used to detect motion in an area*, and based on the presence or absence of motion it can trigger actions by other devices. Actions may include turning on and/or turning off a light, activating a siren and/or sending a notification via the YoLink app. When motion is detected, the LED will blink red once, and notifications will be sent to you via the YoLink app. Available notification types are: email, SMS/text*, and banner ("push") notifications on your Apple or Android smartphone, each configurable in app settings.

*Applications include but are not limited to: for detection of trespassers/intruders on property, driveway (for visitor alert and floodlight activation), swimming pool area (pool safety & security), in or on any detached building, other locations outside of environmental limitations of the (indoor) Motion Sensor

Detection Window

Status LED

SET Button

SET

YOLINK

Battery Compartment
Includes two AA
non-rechargeable batteries

Axis
Adjust the sensor position
for optimal detection area

Mounting Plate

The LED light indicates the current status of the Outdoor Motion Sensor:

Blinking Red Once, then Green Once
Device turned on

Blinking Red And Green Alternately
Restoring to Factory Defaults

Blinking Green
Connecting to Cloud

Slow Blinking Green
Updating

Fast Blinking Green
Establishing Connection with YoLink System (YoLink *Control*)

Blinking Red Once
Device alerts or device is connected to the cloud and is functioning normally

Fast Blinking Red
Removing Connection to YoLink System (YoLink *Control*)

Fast Blinking Red Every 30 Seconds
Batteries are low; please replace the batteries (see page 25)

C. Set Up

C-1. Set Up - First-Time YoLink Users (*Existing users proceed to C-2. Add Device, next page*)

❶ Download the YoLink app through Apple App Store or Google Play Store (Search in the store or use the QR code on the right)

> **!** Apple iPhone or tablet that is iOS 9.0 or higher, or an Android phone or tablet that is Android 4.4 or higher

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❷ Log in to the YoLink app
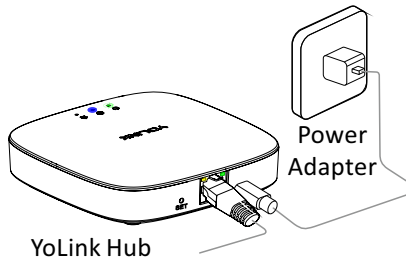
> **!** Create a new account if required

> **!**
> 1. Make sure your Hub is connected to the internet (green LED indicator is blinking, blue LED indicator is always on)
>
> 2. Ethernet patch cable (included) to your network (router, switch, etc.), recommended. Otherwise connect your Hub to your home 2.4 GHz Wi-Fi network (only when necessary). Refer to the Hub set up manual for more information:
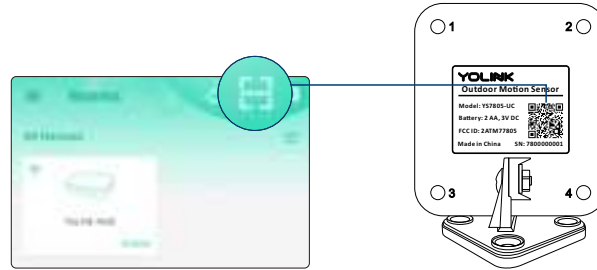>
> YS1603-UC
> User Guide

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❸ The YoLink Hub is required to set up your Outdoor Motion Sensor. Please set up your YoLink Hub first (refer to YoLink Hub manual)

Power Adapter

YoLink Hub

4

C-2. Add Device

❶ Tap " ⊡ " button, then scan QR Code on the device. Follow the steps to add the device

YOLINK
Outdoor Motion Sensor
Model: YS7805-UC
Battery: 2 AA, 3V DC
FCC ID: 2ATM77805
Made in China   SN: 7800000001

❷ Press the SET button once to turn on the device. The Status LED will blink red once, then green several times, indicating your device has connected to the cloud and is ready to use
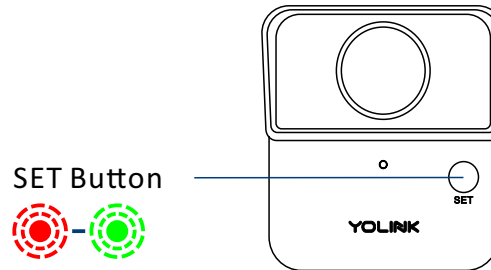
SET Button

⚠ 1. You will need to press the SET button once again if the device failed to connect to the cloud

2. Pressing the SET button at any other time after this initial process will result in the LED blinking red once, only. This indicates the device is connected to the cloud and is functioning normally

3. If the red LED does NOT blink as noted this may indicate a problem with the sensor. Please see the troubleshooting section and the contact section for technical support

D. Installation

## ⚠️ D-1. Test the Outdoor Motion Sensor Location Before Installation

- Test your outdoor motion sensor location before affixing the plate to the surface. Use masking or painters tape to secure the sensor to the surface, being careful to not obscure the detection window. Once you have the sensor temporarily mounted, test it out. With the app in hand, walk into the intended detection area while observing the status of the sensor as shown on the app (Motion Detected or No Motion Detected). Optionally, you may set up your automation (e.g. turn on a light on motion detection) to functionally test the motion - proceed to the following steps for information on creating automations, then return to this step

- Depending on the location, the height and/or distance from your intended motion-detection area, it may be possible that your outdoor motion sensor responds slower than desired or too soon. Experiment with several locations until the sensor responds as desired

- The outdoor motion sensor responds best to motion **across** the coverage area (refer to page 4), as opposed to directly **towards** the outdoor motion sensor. With the detection window aimed towards a door, which is not an ideal application

- As your sensor utilizes heat detection technology, avoid locations subject to rapid temperature changes, direct sunlight, or near heat sources such as heating registers, vents, radiators, space heaters, fireplaces, etc. All these environmental factors may cause false alarm and/or damage to the PIR sensor

- Avoid being installed in the location where is easily touched by small animals, such as cat, dog, etc.

D-2. Installation Diagram

- We recommend mounting the motion sensor on a sturdy, non-metal surface, like a wall or a wooden post or a tree

- Detection Angle:
  The optimal detection angle is across the direction of motion, or 90°, similar to a gate across your driveway, as shown right

> **!**
>
> 1. Avoid directing the sensor near surrounding areas with movement or activity (such as a nearby road) that may cause false alerts.
> 2. Factors such as temperature can adversely impact the optimal range and performance of the sensor.
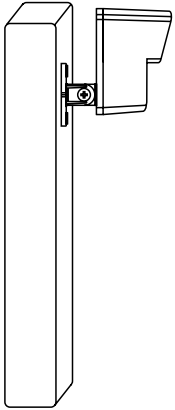
Detection Range:
~ 0 - 40 feet
(0 - 12 meters)
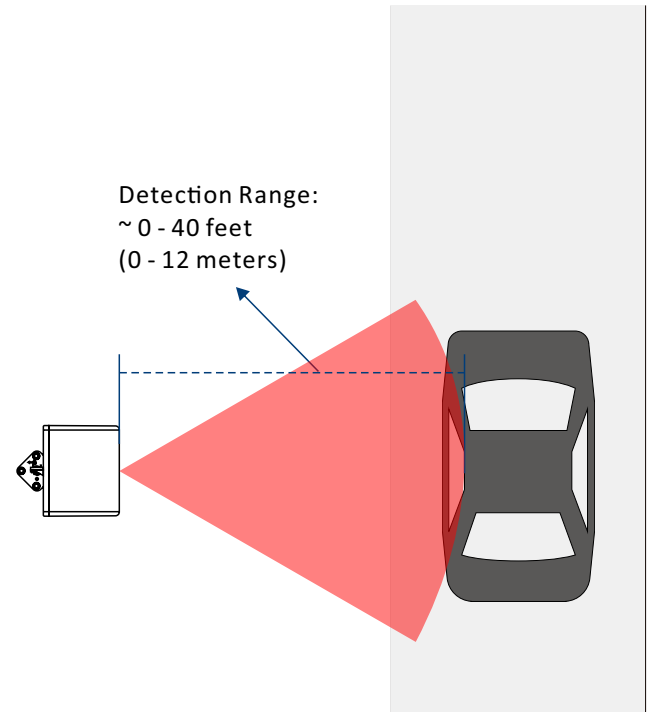
D-3. Sensor Coverage Diagram:

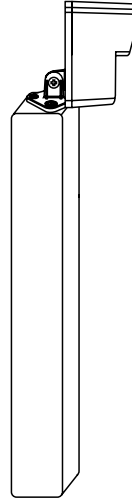
Vertical: 30°
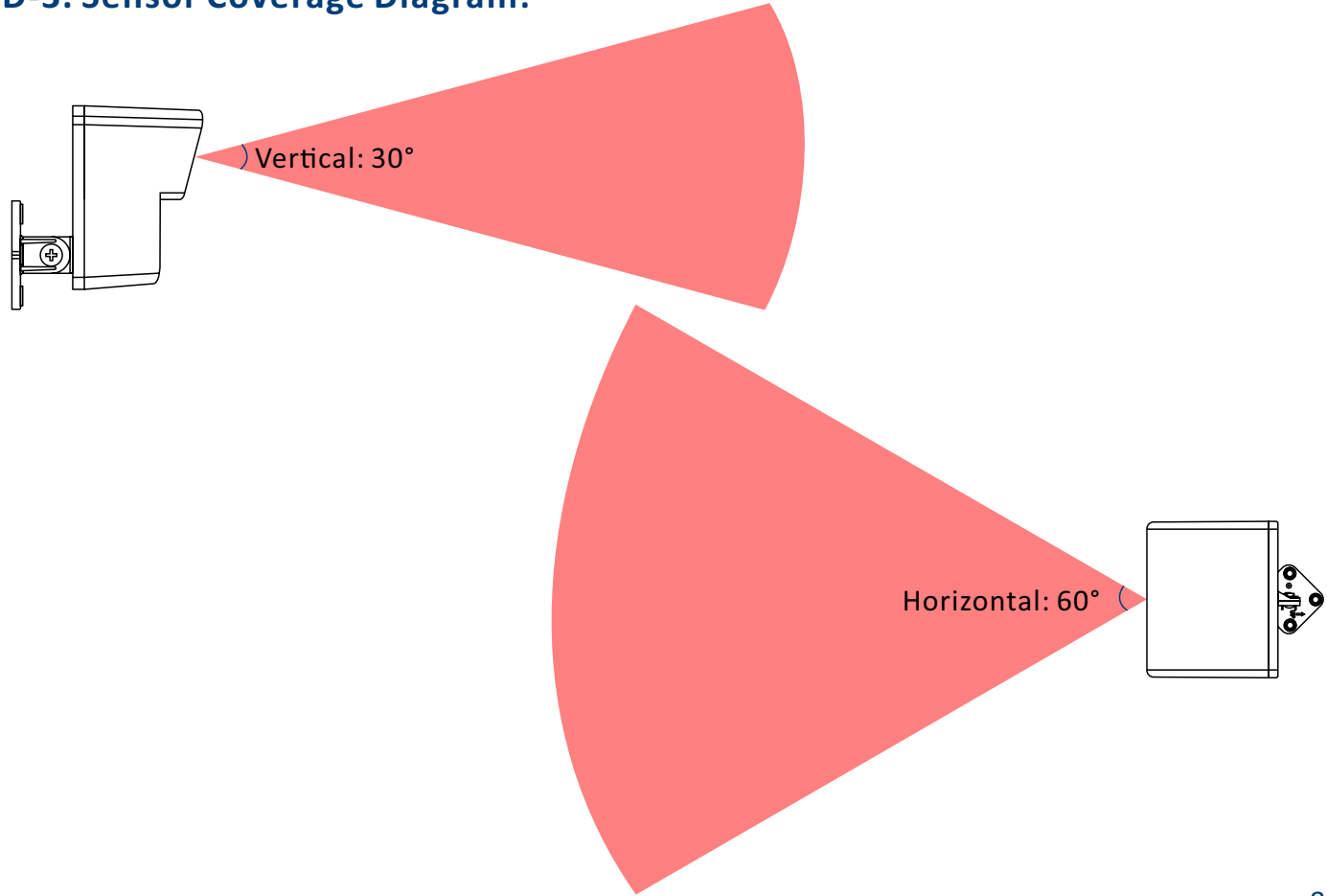
Horizontal: 60°

D-4. Installation Method
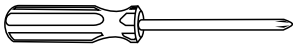
A *: Keep the plate vertical to the floor*   **B** *: Keep the plate horizontal to the floor*

D-5. These Tools May be Required
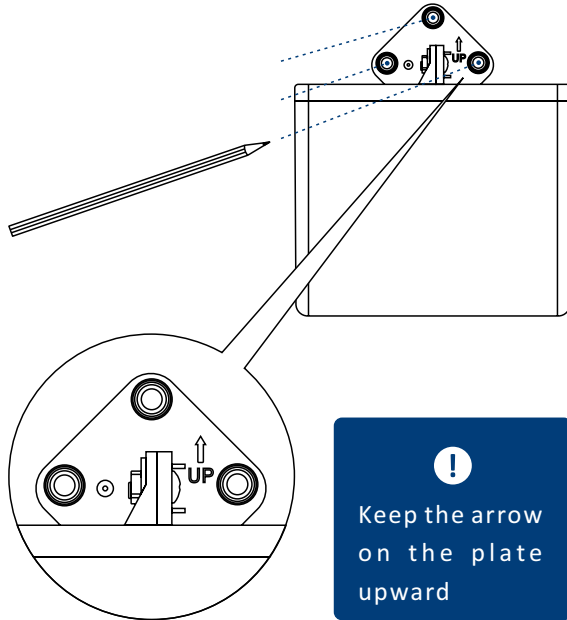
Phillips Screwdriver   Pencil
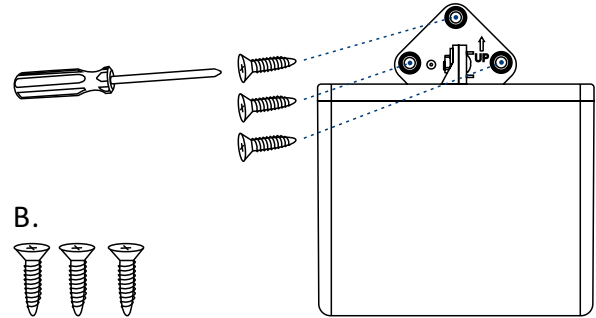
D-6. Begin Installation

❶ Mark an outline (with a pencil, tape, etc.) of the mounting plate on the mounting surface for future reference after TESTING
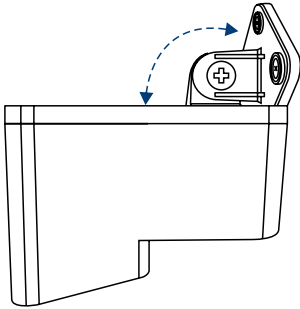

!
Keep the arrow on the plate upward

❷ Mount the plate with three of the four wall screws
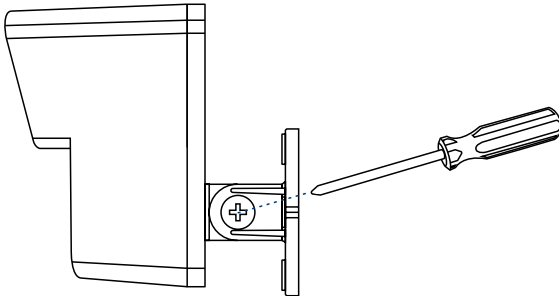

B.

!
Do NOT over-tighten the screws

❸ Method A Installation

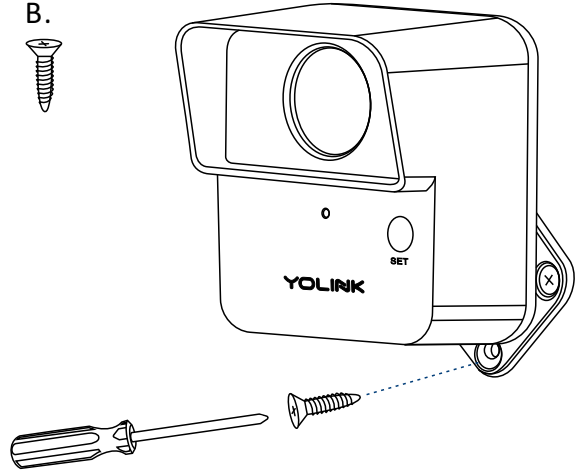**3-1** Adjust the angle of your sensor so that it is looking at your target area

3-3 Tighten the plate with the fourth screw

B.

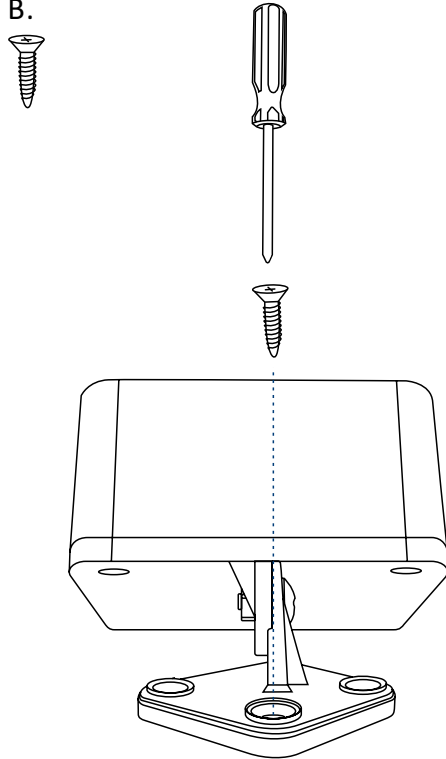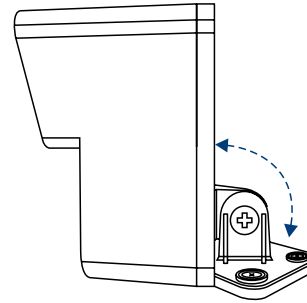**3-2** Tighten the screw securely using a phillips screwdriver

④ Method B Installation

4-1 Gently turn over the sensor so that the fourth screw hole is visible. Tighten the fourth screw hole with the screw
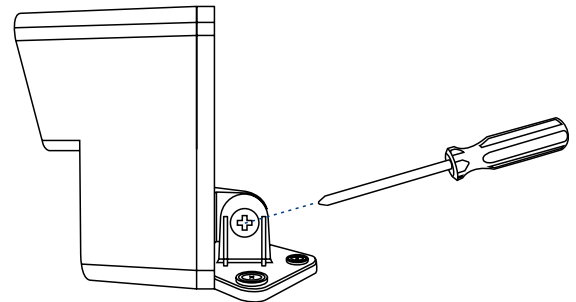
B.

4-2 Adjust the angle of your sensor so that it is looking at your target area
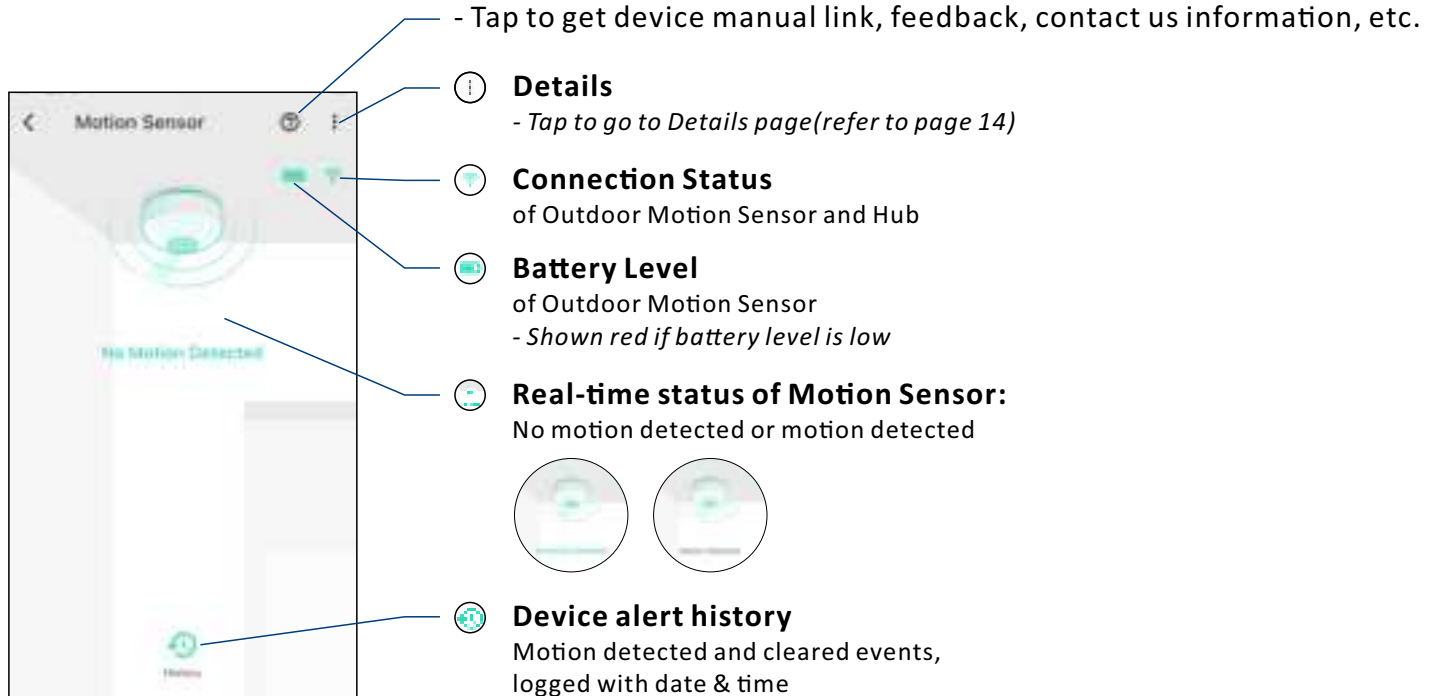
4-3 Tighten the screw securely using a phillips screwdriver

E. Using the YoLink App

E-1. Device Page

- Tap to get device manual link, feedback, contact us information, etc.

Details
- *Tap to go to Details page(refer to page 14)*

Connection Status
of Outdoor Motion Sensor and Hub

Battery Level
of Outdoor Motion Sensor
- *Shown red if battery level is low*

Real-time status of Motion Sensor:
No motion detected or motion detected

Device alert history
Motion detected and cleared events,
logged with date & time

E-2. Details Page

- Tap to get device manual link, feedback, contact us information, etc.
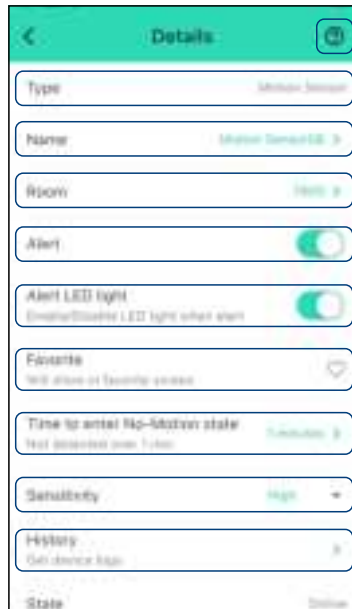
a. Device Type

b. Rename the Device

c. Choose a Room for device

d. Alert Settings
- Enable or disable alerts

e. Alert LED Light Settings
- Enable or disable LED light when device alerts

f. Add/Remove from favorites

g. Restore Device to normal monitoring status after no motion detected for a set time
- Default is set to be 1 minute

h. Switch Sensitivity of detection for the Outdoor Motion Sensor: High, Medium, Low *(Default is high)*

**I. Device Alert History**
Motion detected and cleared events, logged with date & time

! 1. Change Sensitivity will shorten the detection range
2. After changing "Alert LED Light", "Time to enter No-Motion State" and / or "Sensitivity" settings, press the device's SET button once, to sync the new settings to the device. Otherwise, the device will automatically update within 4 hours (maximum)
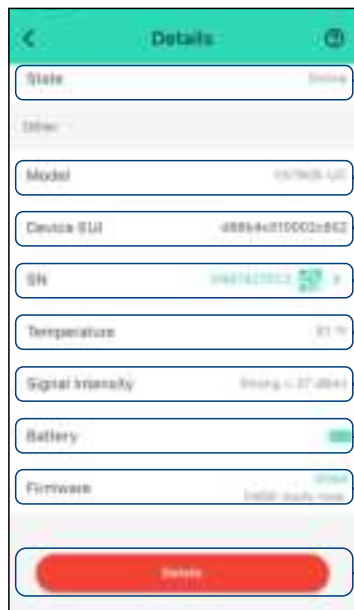
j. Real-time Status: Normal, Warning

k. Device Model

l. Device EUI (unique)

m. Device SN (unique)

o. Connection Status of sensor and Hub

n. Temperature Value
- Updates when:
1. SET button pressed
2. On a device alert
3. Batteries are replaced
4. Automatically within 4 hours maximum

p. Current Battery Level
- Shown red if battery level is low

q. Firmware Version
- "#### ready now" indicates a new update is available (refer to page 23)

r. Remove Device From Current Account
*- Tap to delete the device from your YoLink account*

E-3. Device Alerts

● Your outdoor motion sensor may be optionally used for security/intrusion detection (rather than for the control of home lighting). Enable alerts in device settings to use your motion sensor for intrusion detection or other critical functions. Upon the detection of motion, an alert will be sent to your YoLink account

> ！
>
> 1. After the first alert, subsequent alerts will be sent every 30 minutes if the motion sensor keeps detecting motion
>
> 2. One exception is that if someone stays still in the room for more than one minute, another alert will be sent when the person starts moving again
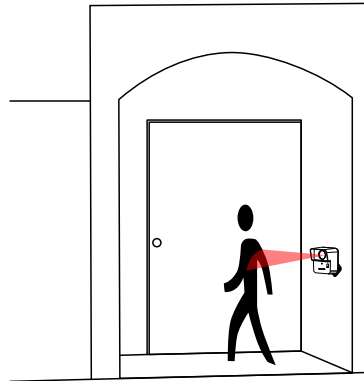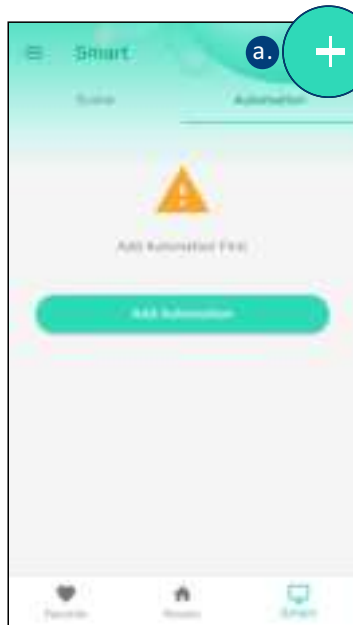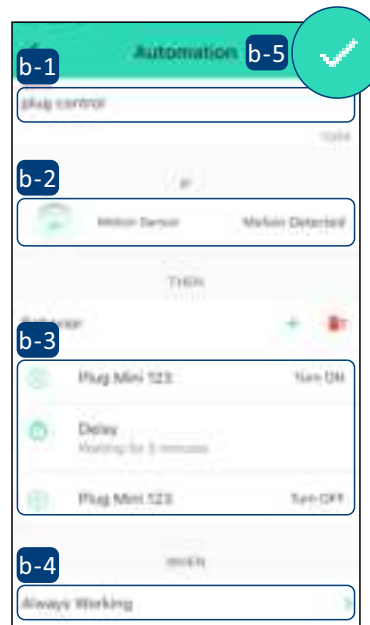
E-4. Automation

● Go to the "Smart" screen, tap "Automation"

> ❗ Outdoor Motion Sensor can be set as a trigger only, with two trigger options: Motion Detected; No Motion Detected

a. Tap the "+" icon to add an automation

b. Add an automation
b-1 Edit name
b-2 Edit trigger
b-3 Edit behavior *(You must have at least one action device, or you cannot set a behavior)*
b-4 Edit when *(Set a time range for the automation: always or during specific days or times)*
b-5 Tap to save the settings

Swipe Left

c. Click to edit the automation

1. Tap " ◯ " button to enable or disable the automation
2. Swipe left to view the history logs and to edit or delete the automation

E-5. Voice Assistants

Connect YoLink with Alexa to monitor the status of your devices through voice commands

- Tap " ☰ " in the upper left corner to go to My Profile
- Go to **Settings** > **Voice Assistants** for the applicable voice assistant integration guide
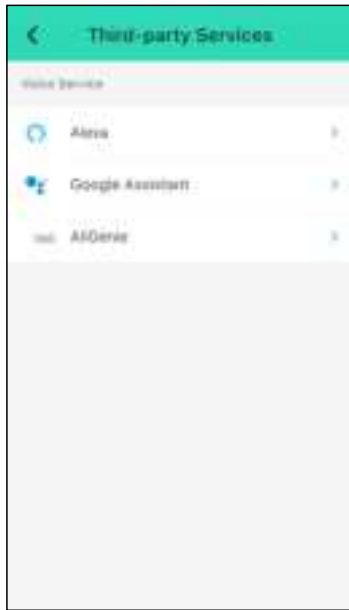
> ⚠ YoLink Outdoor Motion Sensor is integrated with Alexa, and is also integrated with **IFTTT.com** (works as a trigger device using IFTTT)

F. About YoLink *Control*

YoLink *Control* is our unique device-to-device control technology. Using YoLink *Control*, YoLink devices can be controlled without the Hub or an internet connection. (Use of YoLink *Control* is optional; you can use the Automation feature in the app OR use YoLink *Control*, but YoLink *Control* offers the benefit of operation without the Hub or internet connection.)

One device controls another, directly. A device that sends out commands is called the controller. A device that receives the commands is called the responder. Examples of a controller are a Motion Sensor or Water Leak Sensor, while examples of a responder are a Siren or a YoLink Relay

The YoLink Outdoor Motion Sensor can work as the controller of YoLink *Control*
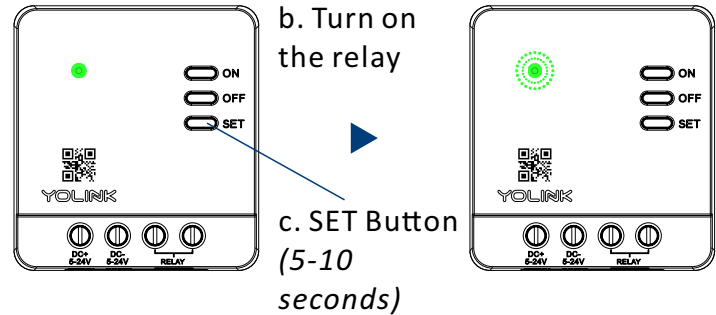
F-1. Pairing

❶ To configure your Outdoor Motion Sensor as a controller. Press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button

a. SET Button
(5-10 seconds)
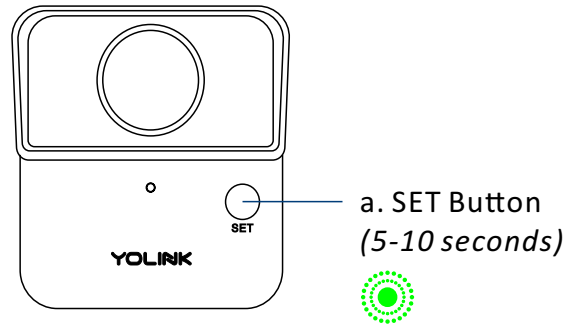
❷ To configure a YoLink Relay as the responder, turn on the relay using ON button or via YoLink app (verify the Status LED of YoLink Relay displays green). Press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then release the button

- -

❸ Upon pairing, the LED will stop blinking (this may happen after only blinking two or three times)

b. Turn on the relay

▶

c. SET Button (5-10 seconds)

**!** Refer to the YoLink Relay manual for more information:

YS5706-UC
YoLink Relay

! 1. If you want to turn off the YoLink Relay when motion is detected, turn off the YoLink Relay first , and let it enter pairing mode

2. For the same Outdoor Motion Sensor and YoLink Relay, you can only choose to either turn on or turn off the YoLink Relay when a motion is detected

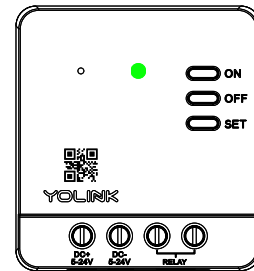## Operation

- When the Motion Sensor detects motion or activity, the YoLink Relay will now immediately turn on. The relay will remain turned on until turned off using the OFF button or via the app
- More advanced sequences, controlling multiple outputs (e.g. turn off plug and activate siren) are available via the YoLink app
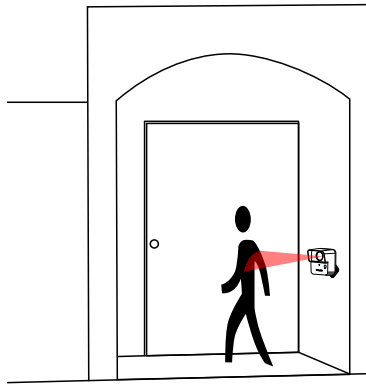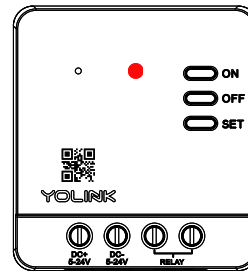
Motion detected   Turned off   Turned on

F-2. Unpairing

❶ At the Outdoor Motion Sensor (controller), press and hold the SET button for 10-15 seconds until the LED quickly blinks green, then red, then, release the button

❷ At the YoLink Relay (responder), press and hold the POWER button for 10-15 seconds, until the LED quickly blinks green, then red, then, release the button

❸ Upon un-pairing, the Outdoor Motion Sensor LED will stop blinking and turn off, and the YoLink Relay LED will stop blinking and return to the previous color (green for turned on, red for turned off)

❹ The YoLink Relay will no longer respond when the motion is detected

a. SET Button
(10-15 seconds)

b. Turn on the relay

c. SET Button
(10-15 seconds)
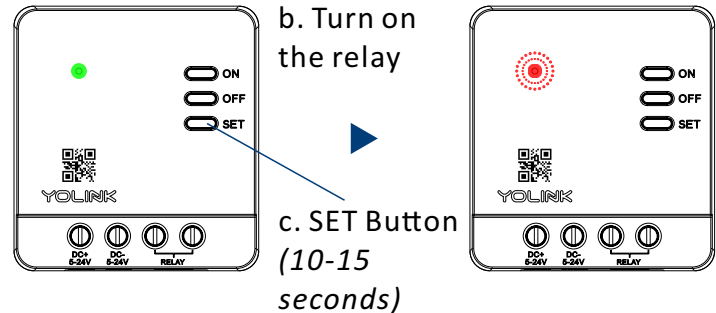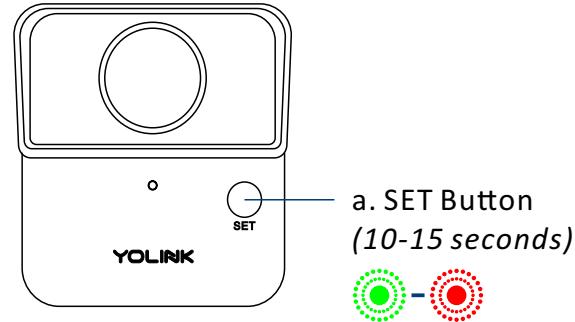
G. Maintenance

G-1. Firmware Update

To ensure our customers have the best user experience, we highly recommend you update to the newest version firmware when an update is available

- In "Firmware", if a new version is listed as available (#### ready now), click it to start the firmware update process

- The device's firmware will be updated automatically within 4 hours (maximum). To force an immediate update, press the SET button on the device once to make the device enter update mode

- You may use your device during the update as it is performed in the background. The LED light will slowly blink green during the update and the process will be complete within 2 minutes after the light stops blinking
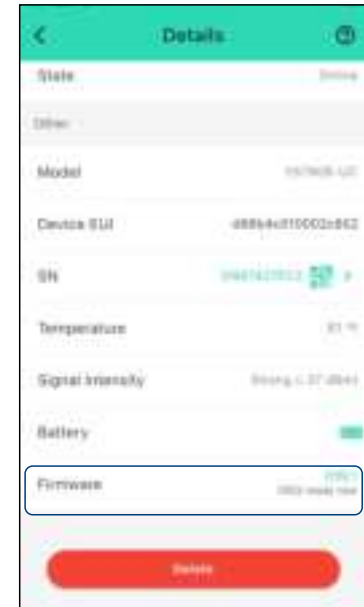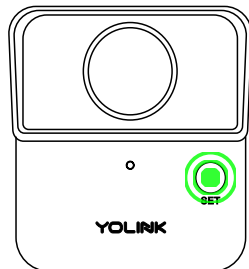
G-2. Factory Reset

Factory reset will erase all of your settings and restore it to factory defaults. After the factory reset, your device will remain in your Yolink account

- Hold the SET button for 20-25 seconds until the status light blinks red and green alternately, then, release the button (*Hold the SET button longer than 25 seconds will <u>ABORT</u> the factory reset operation)*

- Factory reset will be complete when the status light stops blinking

SET Button
(20-25 seconds)
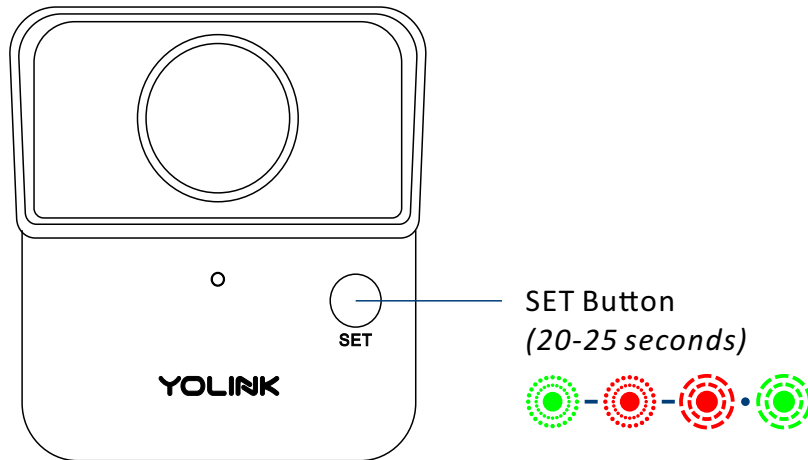
G-3. Replacing the Batteries

Tools Required:

Small Philips Screwdriver

!

1. To maintain the watertight design of your Outdoor Motion Sensor, use extreme care and follow the battery replacement instructions closely

2. Do not mix old and new batteries

❶ Use a screwdriver to unscrew the 1, 2, 3, 4 screws at the base of the device and remove the base
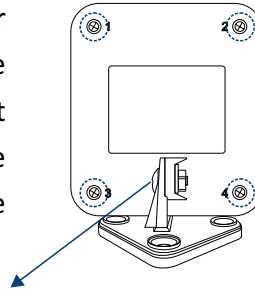
- You may probably need to loosen the mounting screw first

❷ Remove the two old batteries

❸ Install two new AA batteries

2 x AA
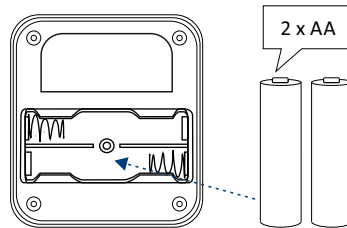
❹ Close and secure the base by reinstalling and tightening the 1, 2, 3, 4 screws
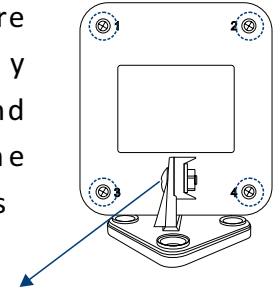
- You may probably need to re-tighten the mounting screw

H. Specifications

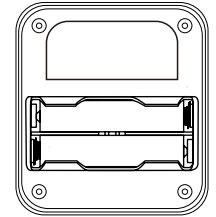|	
Voltage:	3V DC (2 - Lithium Non-rechargeable AA Batteries)
Device Current Draw:	≤ 135mA (operating), ≤ 20uA (standby)
Coverage Angle:	60° (Horizontal), 30° (Vertical)
Optimal Installation Away From Detection Area:	~ 0 - 40 feet (0 - 12 meters)
IP Rating:	IP67
Environment:	Temperature: -4°F - 122°F (-20°C - 50°C) Humidity: ≤ 95% non-condensing

Dimensions:

Unit: inches (millimeters)

2.60 (66.00)

2.83 (72.00)

2.99 (76.00)

SET

YOLINK

FRONT

2.60 (66.00)

1.77 (45.00)

0.79 (20.00)

2.95 (75.00)

1.97 (50.00)

TOP

2.95 (75.00)

1.97 (50.00)

1.30 (33.00)

0.79 (20.00)

0.59 (15.00)

1.77 (45.00)

2.83 (72.00)

3.27 (83.00)

SIDE

27

I.Troubleshooting

Hardware:

1. Batteries: Batteries should be brand new, name brand "AA" lithium type. Refer to "Warnings" Section on page 29

2. Installation: Be sure device is placed at an appropriate place. Refer to "Installation" Section on page 7

Function:

1. Device is offline

- If sensor is not connected to the cloud, press the SET button on the Outdoor Motion Sensor once
- If Hub is offline, reconnect the Hub to the Internet and press the SET button on the Outdoor Motion Sensor once
- If Hub is not on, power on the Hub again and press the SET button on the Outdoor Motion Sensor once
- If sensor is out of range with Hub, relocating the sensor or Hub may be required
- For a device with low-battery indicators or alerts or if the condition of the batteries is in question, replace the batteries with two premium "AA" lithium batteries

2. No alerts received or alerts are inconsistent: The interval between alerts is a default duration. Refer to "Device Alerts" section on page 16

3. Other issues, contact customer service, **1-949-825-5958 (M-F 9am - 5pm PST)** or email 24/7 at **service@yosmart.com**

J. Warning

- Please install, operate and maintain the Outdoor Motion Sensor only as outlined in this manual. Improper use may damage the unit and/or void the warranty
- Use only new, name brand, lithium non-rechargeable AA batteries
- Do <u>not</u> use rechargeable batteries
- Do <u>not</u> use zinc blend batteries
- Do <u>not</u> mix new and old batteries
- Do <u>not</u> puncture or damage batteries. Leakage can cause harm on skin contact, and is toxic if ingested
- Do <u>not</u> dispose of batteries in fire as they may explode! Please follow local battery disposal procedures
- To avoid damaging the device, if storing the device for an extended period, remove the batteries
- While the sensor is waterproof, to ensure optimal operation and lifetime of the sensor, installing the sensor with overhead protection from weather is suggested. Do not immerse the sensor or allow it to be immersed in water
- Do not install or use this device outside of the temperature and humidity range listed in the Environmental section in Specifications, on page 26
- Do <u>not</u> obstruct the opening on the housing
- Do not install or use this device where it will be subjected to high temperatures and/or open flame

- Install or use this device only in clean environments. Extremely dusty or dirty environments may prevent the proper operation of this device, and will void the warranty
- If your Outdoor Motion Sensor does get dirty, please clean it by wiping it down with a clean, dry cloth. Do not use strong chemicals or detergents, which may discolor or damage the exterior and/or damage the electronics, voiding the warranty
- Do not install or use this device where it will be subjected to physical impacts and/or strong vibration. Physical damage is not covered by the warranty
- Please contact Customer Service before attempting to repair disassemble or modify the device, any of which can void the warranty and permanently damage the device

If you have any difficulties installing or using your Outdoor Motion Sensor, please contact our Customer Service department during business hours:

US Live Tech Support: **1-949-825-5958** M-F 9am - 5pm PST

Email: **service@yosmart.com**

YoSmart Inc. 17165 Von Karman Avenue, Suite 105, Irvine, CA 92614

Warranty   2 Year Limited Electrical Warranty

YoSmart warrants to the original residential user of this product that it will be free from defects in materials and workmanship, under normal use, for 2 years from the date of purchase. User must provide a copy of original purchase receipt. This warranty **does not cover** abuse or misused products or products used in commercial applications. This warranty does not apply to Outdoor Motion Sensors that have been improperly installed, modified, put to a use other than designed, or subjected to acts of God (such as floods, lightning, earthquakes, etc.). This warranty is limited to repair or replacement of the motion sensor only at YoSmart's sole discretion. YoSmart will NOT be liable for the cost of installing, removing, nor reinstalling this product, nor direct, indirect, or consequential damages to persons or property resulting from the use of this product. This warranty only covers the cost of replacement parts or replacement units, it does not cover shipping & handling fees

To implement this warranty please give us a call during business hours at 1-949-825-5958, or visit www.yosmart.com

FCC Statement

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

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
2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."