

### **Outdoor Motion Sensor**

YS7805-UC



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## A Welcome!

Thank you for purchasing YoLink products! We appreciate you trusting YoLink for your smart home & automation needs. Your 100% satisfaction is our goal. If you experience any problems with your installation, with our products or if you have any questions that this manual does not answer, please contact us right away. See the Contact Us section for more info.

Thank you!

YoLink Customer Support

### **User Guide Conventions**

The following icons are used in this guide to convey specific types of information:



Very important information (can save you time!)



Good to know info but may not apply to you

## В

### Before You Begin

Visit our Outdoor Motion Sensor support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

https://www.yosmart.com/support/YS7805-UC

Or by scanning the QR code:



Download the most current version of the user guide by scanning the QR code:





### Before You Begin



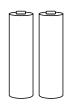
Your Outdoor Motion Sensor connects to the internet via a YoLink hub, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required. This guide assumes the YoLink app has been installed on your smartphone, and a YoLink hub is installed and online (or your location, apartment, condo, etcetera, is already served by a YoLink wireless network).

## CI

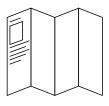
### In the Box



**Outdoor Motion Sensor** 



2 x AA Batteries (Installed)



**Quick Start Guide** 



Phillips Screws (4)

## D

## Required Items

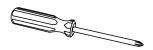
### You may require these items:



**Double-Sided Mounting Tape** 



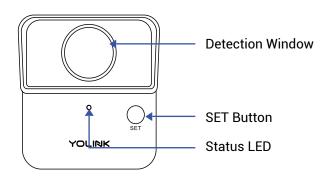
**Special Anchors** 

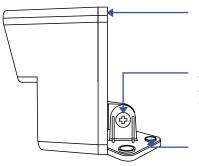


Phillips Screwdriver

## E

### Get to Know Your Outdoor Motion Sensor





Battery Compartment Includes two AA non-rechargeable batteries

#### Axis

Adjust the sensor position for optimal detection area

**Mounting Plate** 

### **LED & Beep Behaviors**

- Blinking Red Once, then Green Once Device turned on
- Blinking Red And Green
  Alternately
  Restoring to Factory
  Defaults
  - Blinking Green Connecting to Cloud
  - Fast Blinking Green
    Control-D2D Pairing in
    Progress
  - Slow Blinking Green Updating

- Device alerts or device is connected to the cloud and is functioning normally
- Fast Blinking Red
  Control-D2D Unpairing
  in Progress
- Fast Blinking Red Every 30 Seconds Batteries are low; please replace the batteries

## F Install the App

If you are new to YoLink, please install the app on your phone or tablet, if you have not already. Otherwise, please proceed to the next section.

Scan the appropriate QR code below or find the "YoLink app" on the appropriate app store.





Apple phone/tablet iOS 9.0 or higher





Android phone/tablet 6.0 or higher

Open the app and tap Sign up for an account. You will be required to provide a username and a password. Follow the instructions, to set up a new account. Allow notifications, when prompted.

You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

Log in to the app using your new username and password.

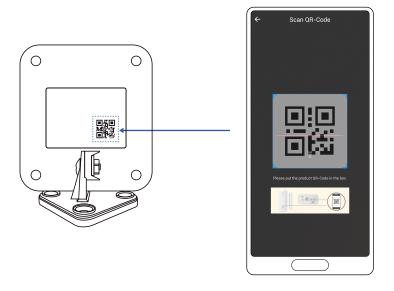
The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

# G Add Your Outdoor Motion Sensor to the App

**1.** Tap **Add Device** (if shown) or tap the scanner icon:



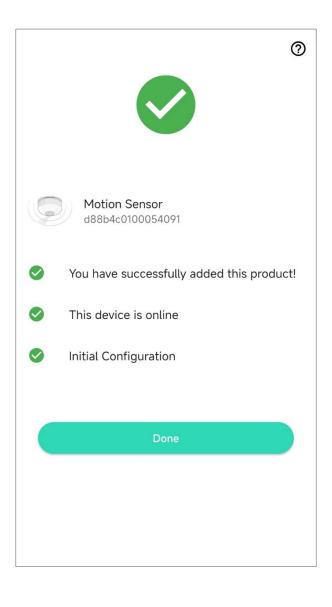
**2.** Approve access to your phone's camera, if requested. A viewfinder will be shown on the app.



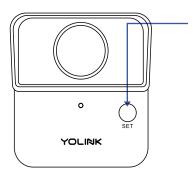
**3.** Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.

# Add Your Outdoor Motion Sensor to the App, Continued

- **4.** You can change the device name and assign it to a room later. Tap **Bind device**.
- **5.** If successful, the screen will appear as shown. Tap **Done**.



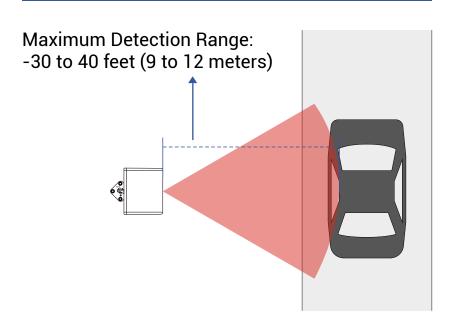
## H Power Up

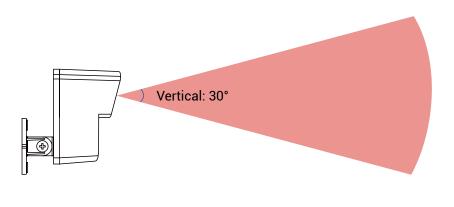


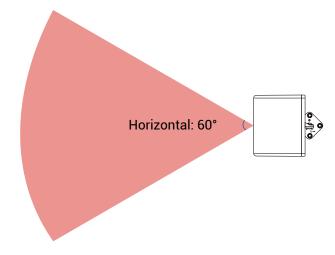
Turn on the Outdoor Motion Sensor by briefly pressing the SET button, until you see the LED flash red then green.

### **Sensor Placement Considerations:**

- 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, as opposed to directly towards the outdoor motion sensor.
- 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 sensor locations where it can be easily touched, such as by a child or dog.
- 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









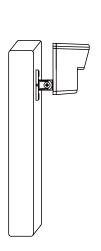
Avoid directing the sensor near surrounding areas with movement or activity (such as a nearby road) that may cause false alerts.

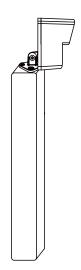
Factors such as temperature can adversely impact the optimal range and performance of the sensor.

### **Mounting Methods:**

**A:** With the plate vertical to the floor or ground

**B**: With the plate horizontal to the floor or ground



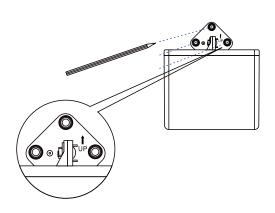


## **Test the Outdoor Motion Sensor Location Before Installation:**

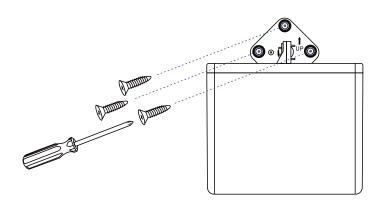
Test your outdoor motion sensor location before affixing the plate to the surface. Use masking or painters tape to secure the sensor to the surface, being careful to not obscure the detection window. Once you have the sensor temporarily mounted, test it out. With the app in hand, walk into the intended 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.

### **Begin Installation:**

1. Mark an outline (with a pencil, tape, etc.) of the mounting plate on the mounting surface for future reference after testing. Ensure the arrow on the plate points upward.



1. Mark an outline (with a pencil, tape, etc.) of the mounting plate on the mounting surface for future reference after testing. Ensure the arrow on the plate points upward.



### **Method A Installation:**

- 1. Adjust the angle of your sensor so that it is viewing the target area.
- **2.** Tighten the adjustable bracket screw securely using a phillips screwdriver.
- **3.** Secure the mounting plate to the surface with the fourth screw.
- **4.** Gently tug on the sensor, to ensure it is rigid and secure.

### **Method B Installation:**

- 1. Gently turn over the sensor so that the fourth screw hole is visible. Insert and tighten a screw in this hole.
- 2. Adjust the angle of your sensor so that it is viewing the target area.
- **3.** Tighten the screw securely using a phillips screwdriver.
- **4.** Gently tug on the sensor, to ensure it is rigid and secure.

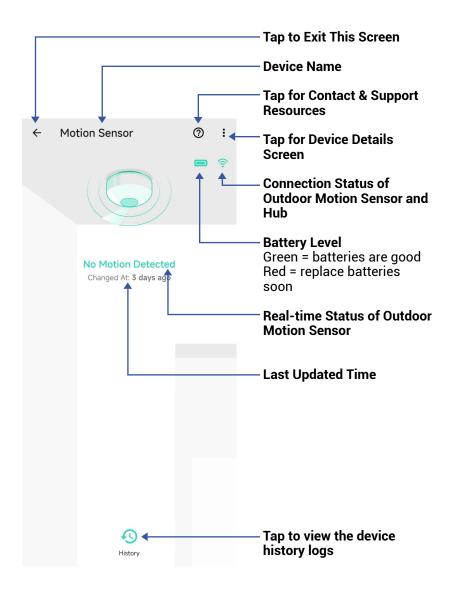
#### Test the Outdoor Motion Sensor.

Test the sensor. It is very important that you test the sensor as realistically as possible, to ensure it works as required for your application. With your phone in-hand, using the app, refer to the Outdoor Motion Sensor's status as you walk through the coverage area. You may need to adjust the position or location and/or the sensitivity. Motion sensitivity can be set in the app.



### **App Functions: Device Screen**

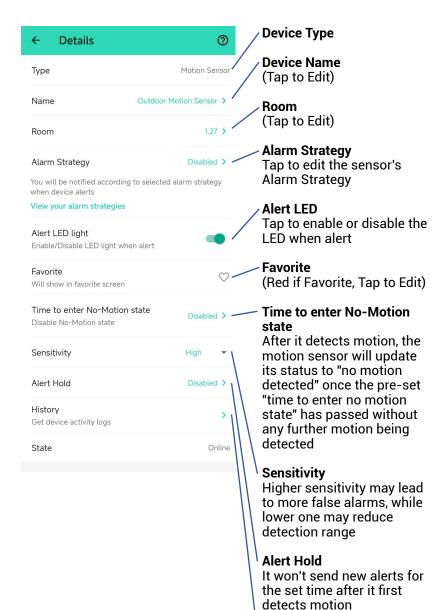
In the app, tap on your Outdoor Motion Sensor icon. Your Outdoor Motion Sensor main screen should be similar to the one shown below.



## K

## App Functions: Device Details Screen

Tap the three dots (in the upper right corner) to open the Outdoor Motion Sensor **Details** screen. Your Outdoor Motion Sensor's screen should be similar to the one shown below.

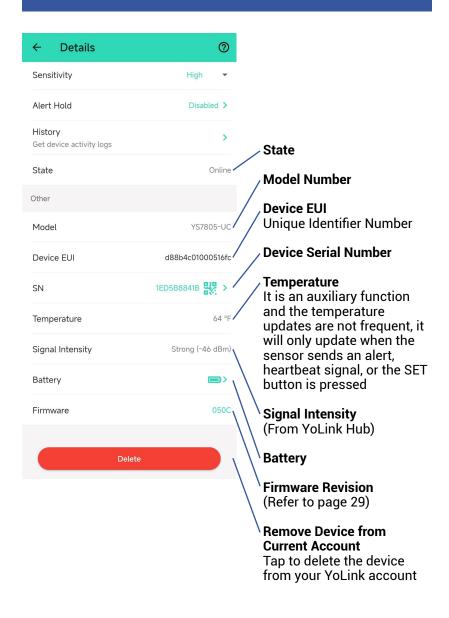


Device history

Tap to view device history

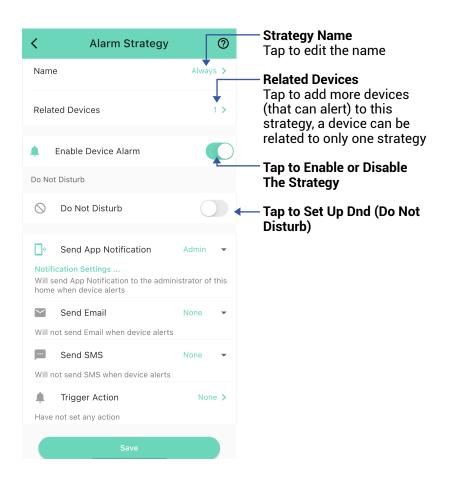
## K

# App Functions: Device Details Screen, Continued



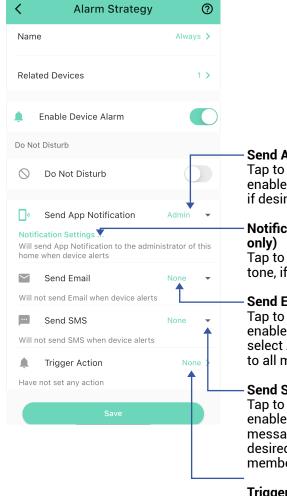
## App Functions: Alarm Strategy Screen

You can set up notifications in Alarm Strategy settings, make sure you have enabled App, Email, SMS notification from the app->Menu-> Settings->Account Settings->Advanced Settings, and verified your email address and added your phone number in the app.





### **App Functions: Alarm Strategy** Screen, Continued



Send App Notification Tap to select Admin to enable App push, select All, if desired for all members

**Notification Settings (iOS** 

Tap to change notification tone, if desired

**Send Email** 

Tap to select Admin to enable email notification, select All, if desired to send to all members

Send SMS

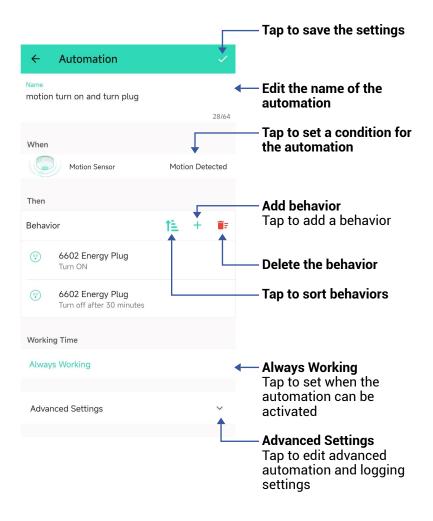
Tap to select Admin to enable limited text messages, select All, if desired to send to all members

Trigger Action

Tap to choose trigger actions (YoLink sirens, YoLink SpeakerHubs, scene)



The Outdoor Motion Sensor can be set up as a condition in automation.



The Automation settings are saved in the cloud.

You can edit the Advanced Settings, including save the log, retry if action fails, notify if action fails, etc.

## N Control D2D

YoLink Control-D2D (device-to-device) pairing is a feature unique to YoLink products. One device can be paired to one (or more) devices. When two or more devices are paired, a link is created, "locking-in" the behavior, so that the device(s) will carry out their paired behavior when required, regardless of a connection to the internet or cloud, and even without AC power (in the case of battery-powered or battery backed-up devices). For example, a Door Sensor can be paired to a Siren Alarm, so that when the door is opened, the siren is activated.

### Several important points:

- The use of Control-D2D is entirely optional.
   It is more common to use the app's
   automation and scene settings to create
   desired behaviors, such as motion sensors
   turning on the lights automatically. Your
   application may require functionality during
   the loss of internet/WiFi, in which case
   Control-D2D pairing may be preferred.
- A device that controls another device is referred to as a Controller. The device that is controlled is referred to as a Responder.

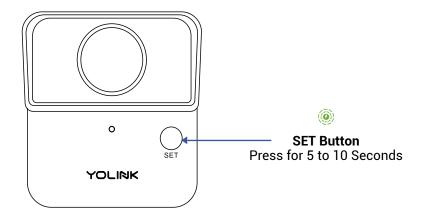
## N

### Control D2D, Continued

- While online, any paired behaviors as well as automation and scene settings (desired siren behaviors set in advance by you, such as the door sensor/siren example) will both be carried out. Paired behaviors and app settings can coexist, but use care to not create conflicting actions between the two, as the device may not operate as desired.
- A device can have up to 128 pairings.

The following instructions use pairing your Outdoor Motion Sensor with a YoLink Plug as an example, when the motion is detected, then turn on the plug.

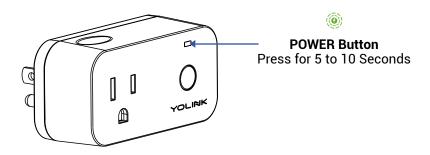
1. To configure your Outdoor Motion Sensor as a controller, press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button.





### Control D2D, Continued

2. To configure a YoLink Plug as the responder, turn on the plug, press and hold the POWER button for 5-10 seconds until the LED quickly blinks green, then, release the button.



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

When the motion is detected, the plug will turn on.

### **Unpair your Outdoor Motion Sensor.**

- 1. On the Outdoor Motion Sensor, press the hold the SET button for 10 to 15 seconds, until the LED quickly blinks red, then release the button.
- **2.** On the Plug, press and hold the POWER button for 10 to 15 seconds, until the LED quickly blinks red. then release the button.



### Control D2D, Continued



The LED will flash green prior to the 10 second mark, going into pairing mode, but keep pressing until the LED flashes red. The Controller's pairing is now removed. This outdoor motion sensor will no longer control the plug.



## App & 3rd-Party Services

The YoLink Outdoor Motion Sensor works with several voice assistants like Alexa, and it works with other automation platforms such as IFTTT and Home Assistant

To set up 3rd-party integrations (Alexa and IFTTT), in the app, go to Settings, Third-Party Services, and follow the instructions.

Refer to the Home Assistant website and the YoLink integration page for instructions.

https://www.home-assistant.io/integrations/yoli nk/



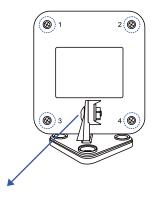
## Battery Replacement

### **Tools Required:**

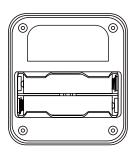


Small Phillips Screwdriver

1 Use a screwdriver to unscrew the 1, 2, 3, 4 screws at the base of the device and remove the base.

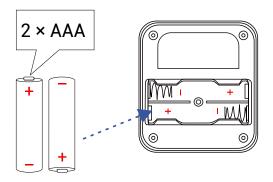


Remove the old batteries, and then press the SET button several times.

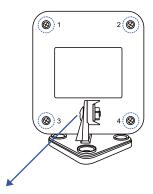


## P Battery Replacement

Observe polarity, and install two new AA batteries.



Close and secure the base by reinstalling and tightening the1, 2, 3, 4 screws.



Using the app, press the SET button, verify the sensor is online and the battery with full charge.



Do not mix old and new batteries

## Q Factory Reset

Factory reset will erase device settings and restore it to factory default settings. Doing a factory reset will not remove the device from your account and it will not harm the device, or lose any data or require you to redo your automations, etc.

### **Instructions:**

Hold the SET button down for 20-30 seconds, until the LED blinks red and green alternately. Then, release the button. (Holding the button down longer than 30 seconds will abort the factory reset operation)

Factory reset will be complete when the LED stops blinking.

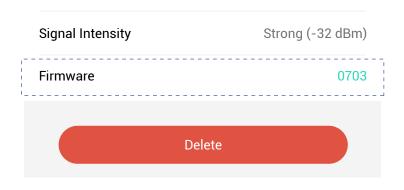


**PLEASE NOTE:** Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

## R Firmware Update

Your YoLink products are constantly being improved, with new features added. It is periodically necessary to make changes to your device's firmware. For optimal performance of your system, and to give you access to all available features for your devices, these firmware updates should be installed when they become available.

In the Detail screen of each device, at the bottom, you will see the Firmware section, as shown in the image below. A firmware update is available for your device if it says "#### ready now"



Tap in this area to start the update.

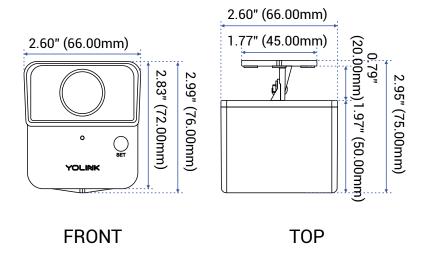
The device will update automatically, indicating progress by percentage-complete. You may use your device during the update, as the update is performed "in the background". The LED will slowly blink green during the update, and the update may continue for several minutes beyond the LED turning off.

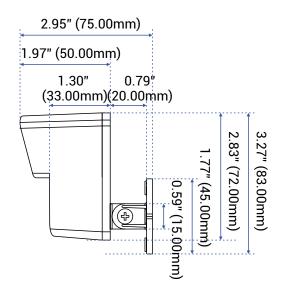
## s Specifications

Voltage:	3V DC (2-Lithium Non-rechargeable AA Batteries)
Device Current Draw:	≤ 135mA (operating), ≤ 20uA (standby)
Coverage Angle:	60° (Horizontal), 30° (Vertical)
Maximum Detection Range:	30 to 40 feet (9 to 12 meters)
IP Rating:	IP67
Dimensions, Imperial (L x W x D):	3.27 x 2.95 x 2.60 inches
Dimensions, Metric (L x W x D):	83 x 75 x 66 mm
Environment:	Temperature: -4°F - 122°F (-20°C - 50°C)
	Humidity: ≤ 95% non-condensing



## Specifications, Continued





SIDE

## Troubleshooting

These troubleshooting suggestions assume the device has been successfully added to the app. If the device is not working correctly and it is not In the app, return to the Add the Outdoor Motion Sensor to the App section and double-check or re-do these steps.

## A. Device can not be operated at all, and can not be operated manually via the SET button:

- 1) Ensure the device is turned on (See Power Up section, if needed).
- 2) Check batteries, verify proper installation.
- 3) Replace the batteries.

## B. Device can be operated manually, but it is offline

- 1) Ensure the device is connected to the cloud, by pressing the SET button until the LED illuminates briefly.
- 2) Ensure the device is within range of the hub. If you are installing the device remotely from the hub, first place it near the hub to ensure it connects to the cloud via the hub. (Press the SET button briefly to force the device to attempt to reconnect with the cloud). If it is now online, the original location was out of range of the hub. Relocating the device, the hub, or adding an additional hub may be solutions. Contact us as needed for additional guidance.



### Troubleshooting, Continued

## C. If a Control-D2D-paired functionality is not working:

- Review and re-do the pairing steps, as needed. You can unpair the devices and re-pair them.
- **D.** Performing a factory reset can clear up some issues. Refer to page 28 for instructions. If the device remains non-operational, it may be defective. Please contact us for assistance with replacing your YoLink product.
- E. Other issues, please contact us via the info on the last page of this guide.

## Warnings

- 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, alkaline non-rechargeable AA batteries
- Do not use rechargeable batteries
- Do not use zinc blend batteries
- Do not mix new and old batteries
- Do not puncture or damage batteries.
   Leakage can cause harm on skin contact,
   and is toxic if ingested
- Do not dispose of batteries in fire as they may explode! Please follow local battery disposal procedures
- Do not install or use the sensor outside of the temperature and humidity range listed in the Environmental section in Specifications, on page 30
- 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

## Warnings, Continued

- Do not install or use this device where it will be subjected to high temperatures and/or open fame
- Do not obstruct the opening of the housing
- 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
- 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
- To avoid damaging the device, if storing the device for an extended period, remove the batteries
- 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

## Warranty

### 2 Year Limited Electrical Warranty

YoSmart Inc. warrants to the original user ("customer") 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. This warranty does not apply to devices 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 does not cover neglected or abused products. This warranty is limited to the repair or replacement of the device, 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. The customer must provide proof of purchase, in the form of the original purchase invoice or order number. The purchase must have been made from an authorized seller

To implement this warranty please contact us by one of the methods listed on the Contact Us page of this user guide.

## w FCC Statement

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. Any Changes or modifications 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.

## W FCC Statement, Continued

 Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

PRODUCT	NAME:
OUTDOOR	<b>MOTION SENSOR</b>

PARTY:

YOSMART, INC.

TELEPHONE:

831-292-4831

MODEL NUMBER:

YS7805-UC

ADDRESS:

25172 ARCTIC OCEAN DRIVE, SUITE 106 LAKE FOREST, CA 92630 USA

**EMAIL**:

SERVICE@YOSMART.COM

## X Contact Us

We are here for you, if you ever need any assistance installing, setting up or using a YoLink app or product!

Need help? For fastest service, please email us 24/7 at <a href="mailto:service@yosmart.com">service@yosmart.com</a>

Or call us at **831-292-4831** (US phone support hours: **Monday - Friday, 9AM to 5PM** Pacific)

You can also find additional support and ways to contact us at:

www.yosmart.com/support-and-service

Or scan the QR code:



Support Home Page

Finally, if you have any feedback or suggestions for us, please email us at feedback@yosmart.com

Thank you for trusting YoLink!

**YoLink Customer Support** 



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