

YOLINK

Weatherproof Temperature Sensor

YS8004-UC

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 Weatherproof Temperature 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,

Queenie, Clair, James, Eric

Customer Support Team

Contents

A. In the Box	1
B. Introduction	2
C. Set Up	4
D. Using the YoLink App	7
E. Maintenance	16
F. Specifications	20
G. Troubleshooting	22
H. Warning	23
I . Customer Service & Warranty	25

Revised: 08/06/2021

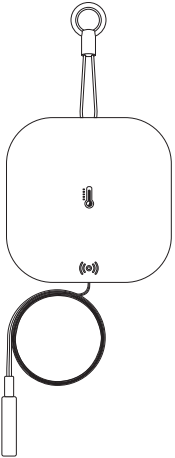
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A. In the Box

A. Weatherproof Temperature Sensor

B. Quick Start Guide

A.



B.

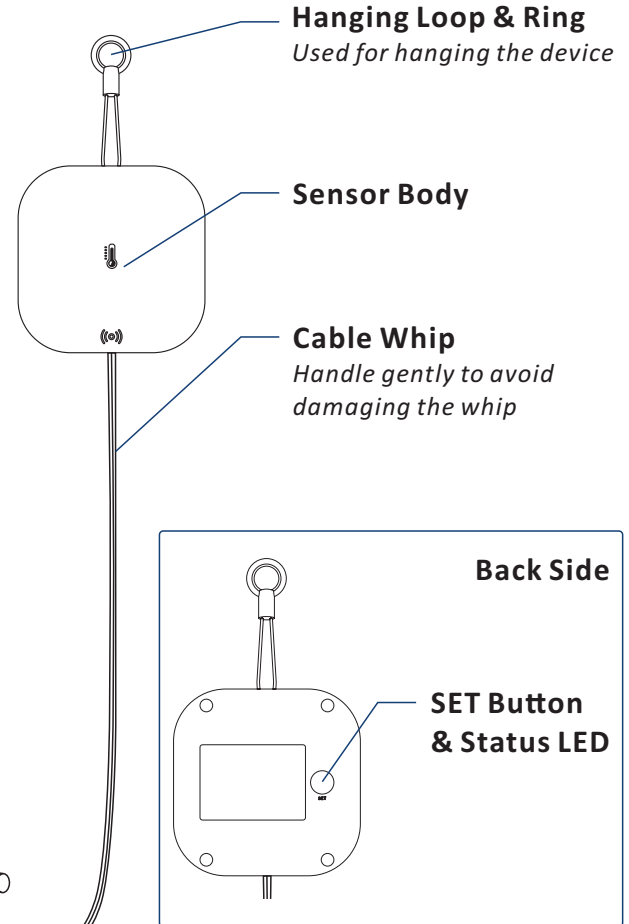
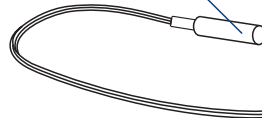


B. Introduction

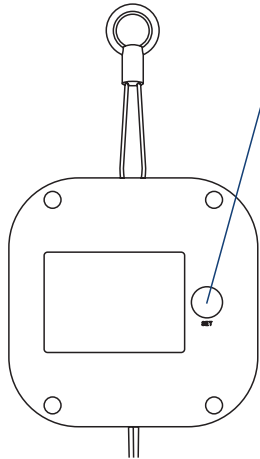
The YoLink Weatherproof Temperature Sensor is a smart thermometer sensor. By monitoring the real-time temperature level in your indoor or outdoor location, you will know the exact temperature in the space, at any time. You can set high and low levels alerts for temperature. When an alert level is reached, the LED will blink red once, and notifications will be sent to you via the YoLink app. Available notification types are: email, and banner ("push") notifications on your Apple or Android smartphone, each configurable in app settings.




*High-volume use fees may apply (subscription service available)

Detection Probe
Used for temperature sensing



The LED light indicates the current status of the Weatherproof Temperature 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
-  **Blinking Red Once**
Device is connected to the cloud and is functioning normally
-  **Fast Blinking Red Every 30 Seconds**
Batteries are low; please replace the batteries (see page 18 & 19)

C. Set Up

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

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



Available on the
App Store



Get it on
Google Play



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

- 2 Log in to the YoLink app



Create a new account if required



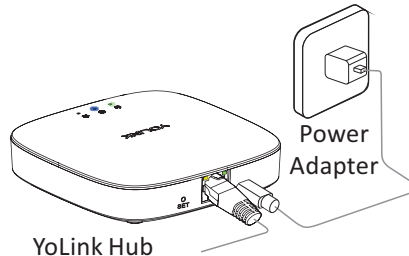
1. Make sure your Hub is connected to the internet (green LED indicator is blinking, blue LED indicator is always on)

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:




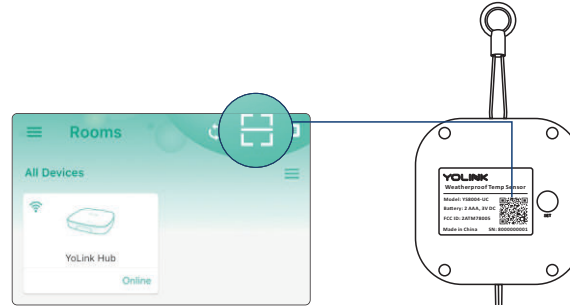
YS1603-UC
User Guide

- 3 The YoLink Hub is required to set up your Weatherproof Temperature Sensor. Please set up your YoLink Hub first (refer to YoLink Hub manual)

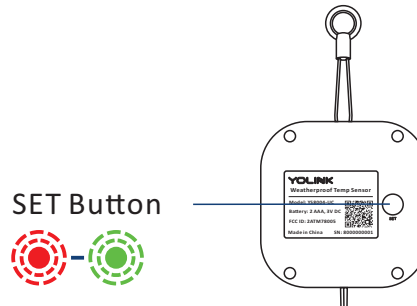


C-2. Add Device

- 1 Tap “” button, then scan QR Code on the device. Follow the steps to add the device



- 2 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



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

C-3. Device Placement

● Sensor Body Placement

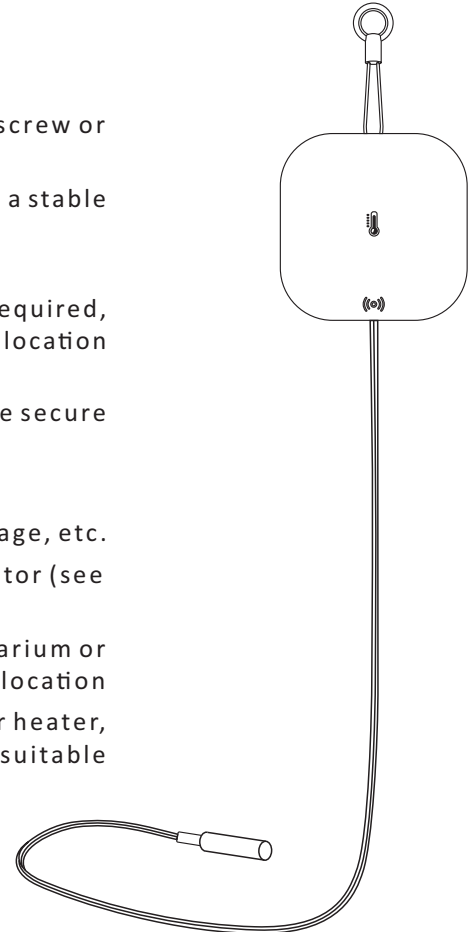
- Wall-mounting: hang the sensor body from the wall, on a nail or screw or other secure object, using the mounting ring
- Surface-, Shelf- or countertop-mounting: place the sensor body on a stable surface so that it will not fall off or be knocked down

● Detection Probe Placement

- Place the probe at the location where temperature monitoring is required, while installing the sensor body at a secure, stable and suitable location (Please note: the sensor body must NOT be submerged)
- Carefully secure the detection probe and external strip so they are secure and will not be accidentally moved or knocked down

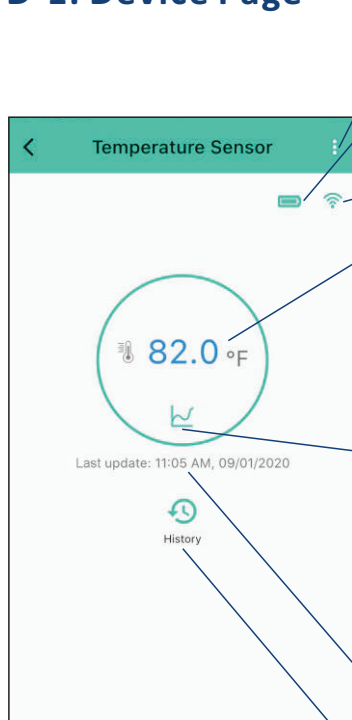
● Application and Installation Examples:

- Place both the sensor body and probe in a kitchen, basement, garage, etc.
- Place both the sensor body and probe inside a freezer or refrigerator (see page 18 for operating environment ranges)
- Place the probe in a hot tub or spa, swimming pool, fish tank/aquarium or pet habitat, while placing the sensor body at a suitable remote location
- Attach the probe to a hot water recirculation pipe, in or on a water heater, on equipment or machinery, while placing the sensor body at a suitable remote location



D. Using the YoLink App

D-1. Device Page



Details

- Tap to go to Details page (refer to page 9 & 10)



Battery Level of Weatherproof Temperature Sensor

- Shown red if battery level is low



Connection Status of Weatherproof Temperature Sensor and Hub



Latest Refresh Temperature Value

- Blue: Normal, Red: Warning



Chart for Historical Chart of Temperature

- Hourly: last **twenty-four** hours ;
Daily: last **seven** days
- Download the history values of last **seven** days



Latest Refresh time for Temperature Value

- Sensor refresh frequency refer to page 8

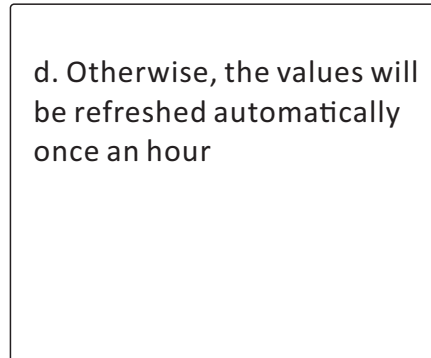
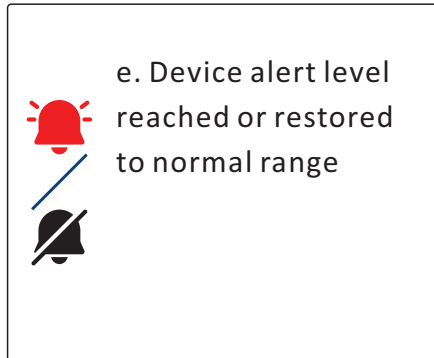
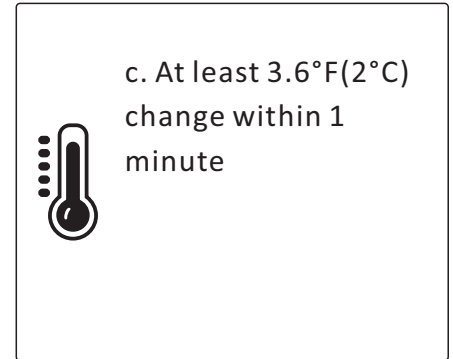
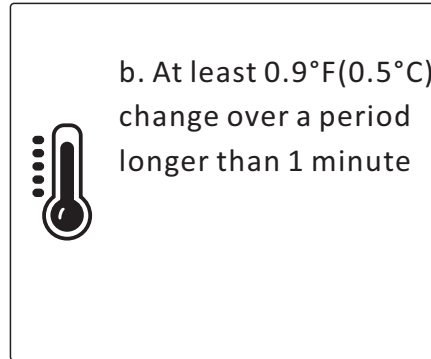
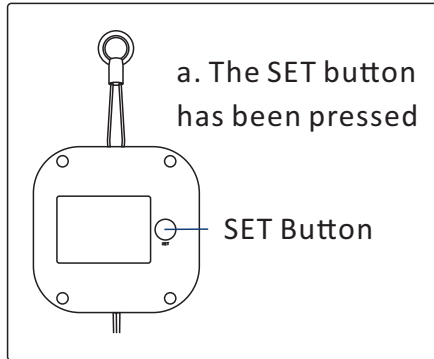


Device Alert History

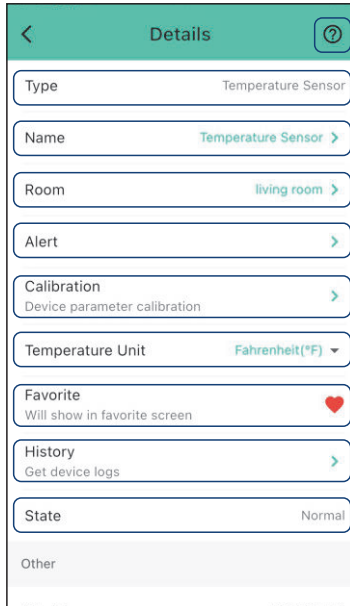
Historical log of temperature alerts, logged with date & time

Sensor Refresh Frequency

- Temperature value refresh when one of the following conditions are met:



D-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

- Select an alarm strategy for the device

Set alert range for temperature

Set re-notification interval after a temperature alert(refer to page 11)

e. A calibration Value for temperature

f. Switch Temperature Display Mode: °F / °C

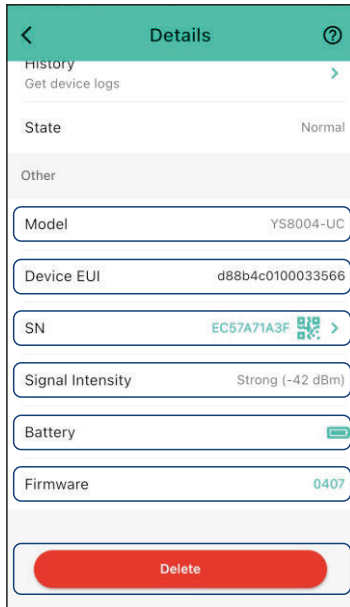
g. Add/Remove from favorites

h. Historical Log of temperature alerts, logged with date & time

i. Real-time Status: Normal, Warning



After changing “Alert” and / or “Calibration” 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. Device Model

k. Device EUI (unique)

l. Device SN (unique)

m. Connection Status of sensor and Hub

n. Current Battery Level

- *Shown red if battery level is low*

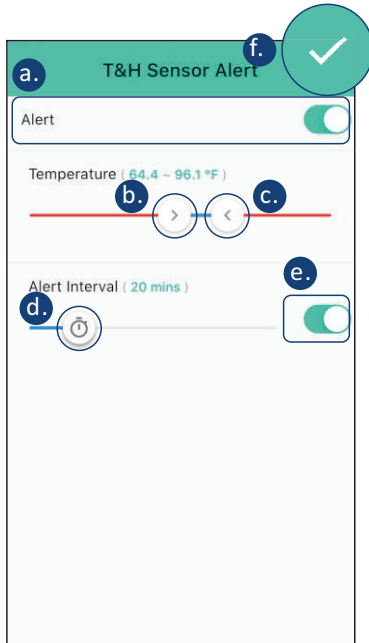
o. Firmware Version

- *"#### ready now" indicates a new update is available (refer to page 16)*

p. Remove Device From Current Account

- *Tap to delete the device from your YoLink account*

Alert Settings



a. Enable or disable alert

- Receive notifications when the temperature value is below the low alert value or above the high alert value set below

b. Slide to set the low temperature alert value (Default is 64°F (18°C))

c. Slide to set the High temperature alert value (Default is 95°F (35°C))

d. Enable or disable re-notification after a temperature alert

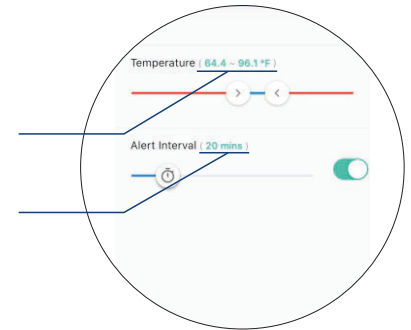
e. Set the re-notification duration between additional alerts

f. Tap to save the settings

Desired range of temperature

- Device will alert outside of this range

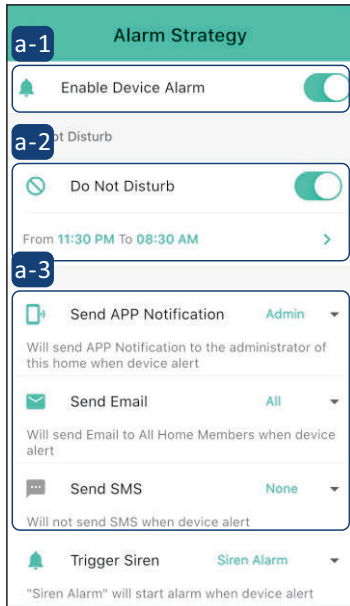
Re-notification interval



D-3. Alarm Strategy

Set up rules to send notifications (app push notification, email notification, SMS(text notification) when a device alert is detected (such as High/Low Temperature Alert by Temperature Sensor, Water detected by Water Leak Sensor, Motion Sensor, etc.). Follow instructions below to enable Device Alert first

- Tap “☰” in the upper left corner to go to My Profile
- Go to **Settings > Alarm Strategy** for notifications preferences settings (*Only support Host account*)

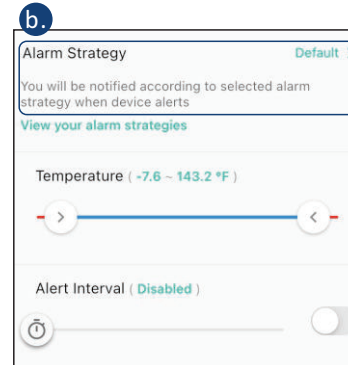


a. Alarm Strategy Settings

a-1 The alarm strategy should be enabled (*Notification will be sent*)

a-2 Notification will not be sent during the Do Not Disturb time

a-3 Settings for receiving device alert notifications via the app/email/SMS (text)



b. Alarm Strategy settings should be enabled

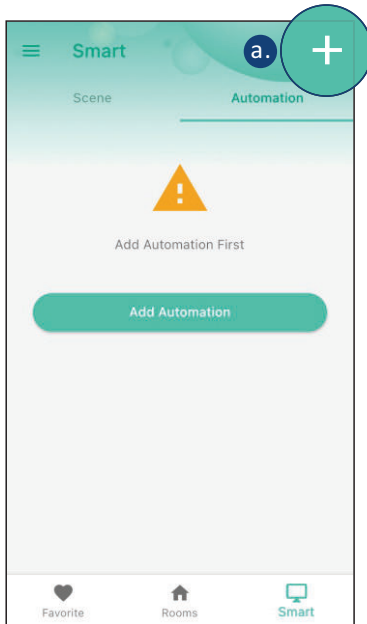

Weatherproof Temperature Sensor is not supported SMS (text) notifications

D-4. Automation

- Go to the “Smart” screen, tap “Automation”



The Weatherproof Temperature Sensor can be set as a trigger only, with two trigger options: Low Temperature Alert; High Temperature Alert



- Tap the “+” icon to add an automation



- Add an automation

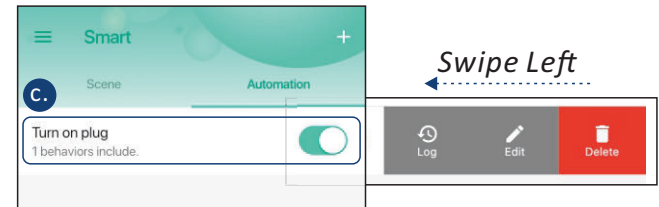
b-1 Edit name

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



- 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

D-5. Third-Party Services

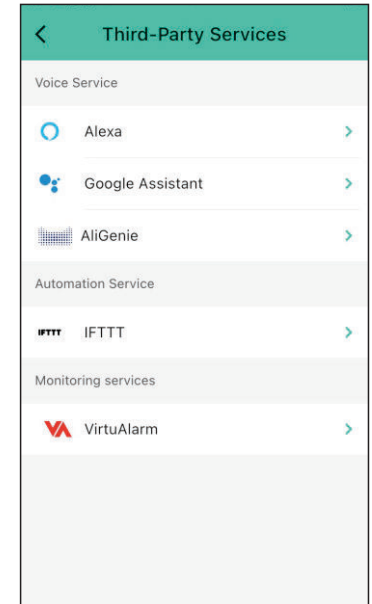
With third-party services connected to your YoLink account, your temperature sensor can trigger automations, and applets with smart home/IoT devices and services from third-party (non-YoLink) brands

- Tap “☰” in the upper left corner to go to My Profile
- Go to **Settings > Third-Party Services** and select the applicable service
- Follow the instructions, to authorize and add the connection to your YoLink account

1. YoLink Weatherproof Temperature Sensor is integrated with Alexa, and is also integrated with **IFTTT.com** (works as a trigger device using IFTTT)

2. Google Assistant is not compatible with the Weatherproof Temperature Sensor at this time

3. Refer to the associated app or website for additional information specific to the third-party service. Additional information may also be found on our website at www.yosmart.com/support-and-service or by contacting Customer Support (refer to page 25 for contact information)



D-5-1. IFTTT

- The High/Low Temperature Alert can be used as a trigger for custom applets. Visit www.ifttt.com for more information and pricing

D-5-2. Alexa

- Monitor the latest temperature value of the Weatherproof Temperature Sensor
- The latest temperature value can be queried by voice command (For example, “Alexa, what is the temperature of the Weatherproof Temperature Sensor?” -- “The temperature of the Weatherproof Temperature Sensor is 75°F”)

D-5-3. VirtuAlarm

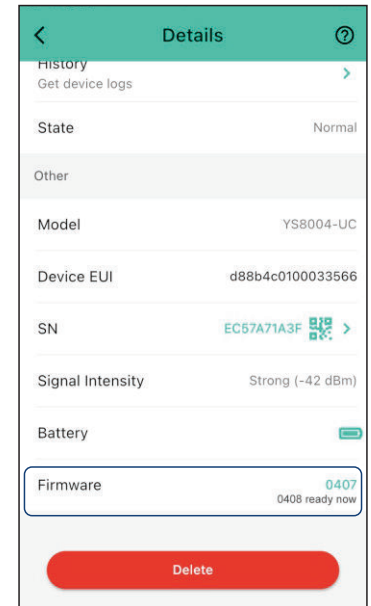
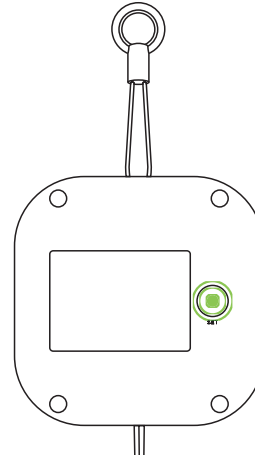
- Service provided by VirtuAlarm

E. Maintenance

E-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

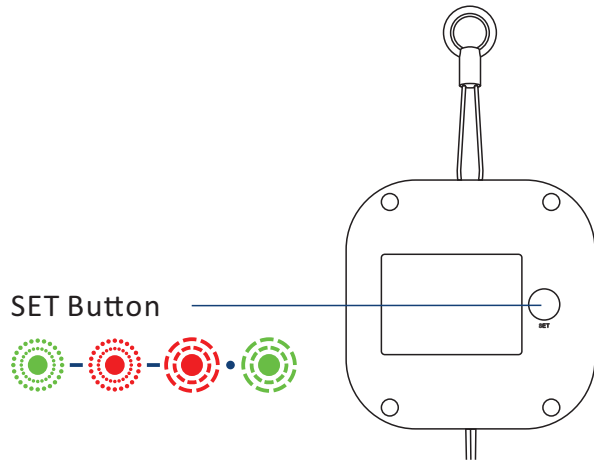
- In “Firmware”, if a new version is listed as available (#### ready now), click it to start the firmware update process
- The device’s firmware will be updated automatically within 1 hours (maximum). To force an immediate update, press the SET button on the device twice to make the device enter update 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



E-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 ABORT the factory reset operation*)
- Factory reset will be complete when the status light stops blinking

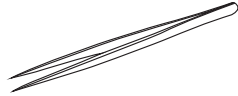


E-3. Replacing the Batteries

Tools Required:



Small Philips
Screwdriver



Tweezers

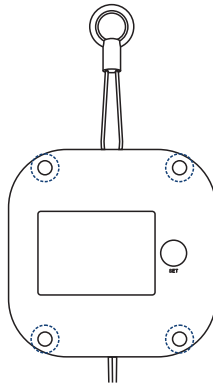
1. To maintain the watertight design of your Weatherproof Temperature Sensor, use extreme care and follow the battery replacement instructions closely



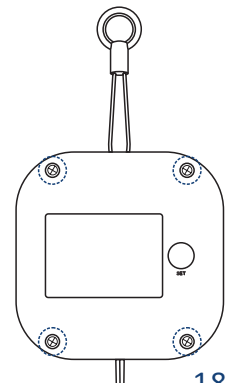
2. Do not mix old and new batteries

3. Make sure that the bottom shell and sealed rubber pads are tightly secured. Otherwise, the entry of water into the sensor may cause severe damage

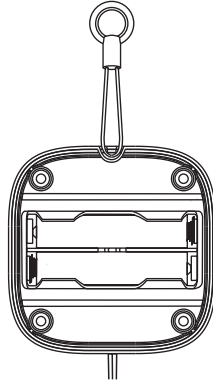
- 1 Use tweezers to take out the four sealed rubber pads at the base of the device



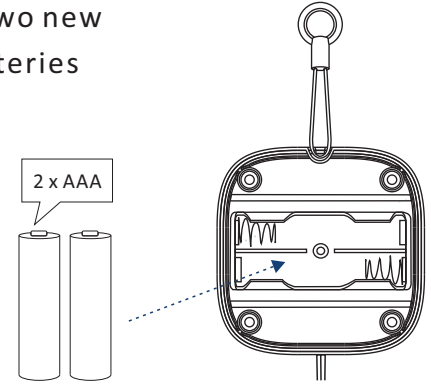
- 2 Use a screwdriver to unscrew the screws at the base of the device and remove the base



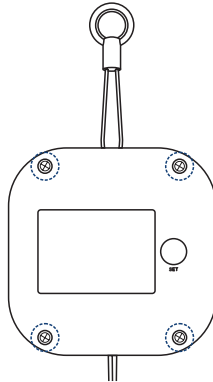
- 3** Remove the two old batteries



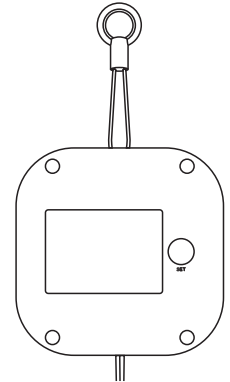
- 4** Install two new AAA batteries



- 5** Close and secure the base by reinstalling and tightening the four screws



- 6** Reattach the four sealing rubber pads



F. Specifications

Voltage: 3V DC (2 - lithium non-rechargeable AAA batteries)

Device Current Draw: $\leq 135\text{mA}$ (operating), $\leq 5\mu\text{A}$ (standby)

Sensor Types: Temperature

Temperature Value Accuracy: 0.1 ($^{\circ}\text{F}/^{\circ}\text{C}$)

Alert Temperature: $-40^{\circ}\text{F} - 221^{\circ}\text{F}$ ($-40^{\circ}\text{C} - 105^{\circ}\text{C}$)

**Temperature Error
(Typical):**
 $-40^{\circ}\text{F} - 14^{\circ}\text{F}$, $\pm 1.26^{\circ}\text{F}$ ($-40^{\circ}\text{C} - -10^{\circ}\text{C}$, $\pm 0.7^{\circ}\text{C}$)
 $14^{\circ}\text{F} - 116.6^{\circ}\text{F}$, $\pm 0.9^{\circ}\text{F}$ ($-10^{\circ}\text{C} - 47^{\circ}\text{C}$, $\pm 0.5^{\circ}\text{C}$)
 $116.6^{\circ}\text{F} - 176^{\circ}\text{F}$, $\pm 1.8^{\circ}\text{F}$ ($47^{\circ}\text{C} - 80^{\circ}\text{C}$, $\pm 1.0^{\circ}\text{C}$)
 $176^{\circ}\text{F} - 221^{\circ}\text{F}$, $\pm 2.7^{\circ}\text{F}$ ($80^{\circ}\text{C} - 105^{\circ}\text{C}$, $\pm 1.5^{\circ}\text{C}$)

IP Rating: IP67

Dimensions:

Sensor body: 2.44 x 2.44 x 0.87 inches
(62 x 62 x 22 millimeters) (L x W x D)
Cable Whip: 3.28 feet (1 meter) (L)
Detection Probe: Φ 0.2 x 0.98 inches
(Φ 5 x 25 millimeters) (Dia x D)

Environment:

Working Temperature:

1. Sensor body: -22°F - 158°F (-30°C - 70°C)
2. Cable Whip & Detection Probe: -40°F - 221°F (-40°C - 105°C)

Working Humidity:

1. Sensor body: \leq 95% (non-condensing)
 2. Cable Whip & Detection Probe: \leq 100% (non-condensing)
-

G. Troubleshooting

Symptoms:

1. Device is offline.

- If sensor is not connected to the cloud, press the SET button on the Weatherproof Temperature Sensor once
- If Hub is offline, reconnect the Hub to the Internet and press the SET button on the Weatherproof Temperature Sensor once
- If Hub is not on, power on the Hub again and press the SET button on the Weatherproof Temperature 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 “AAA” lithium batteries

2. Receive notifications out of the alert range: Alert settings are not saved. Refer to “Details page” section on page 9 & 10

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

H. Warning

- Please install, operate and maintain the Weatherproof Temperature 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 AAA 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
- 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 20&21
- Do not 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 Weatherproof Temperature 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 YoLink products, 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. 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA

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 year 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 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 is limited to 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

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