

Floating Thermometer

YS8008-UC



Installation & User Guide

Revision Sep. 13, 2024

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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

B Before You Begin

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

<https://www.yosmart.com/support/YS8008-UC>

Or by scanning the QR code:



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

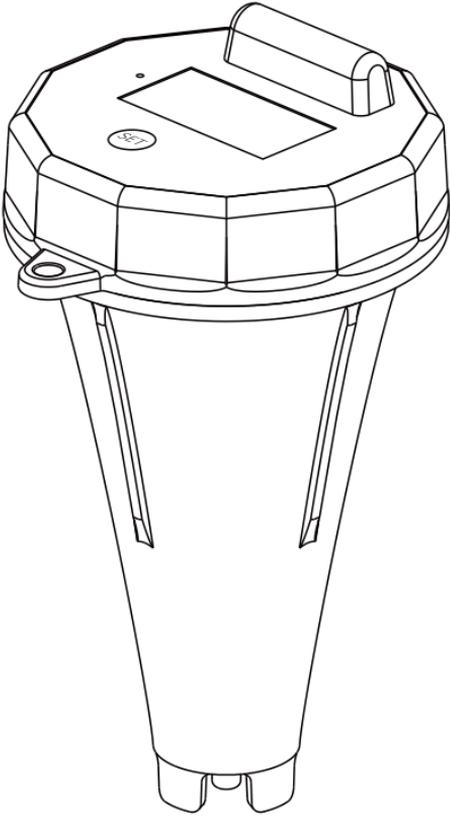


B Before You Begin, Continued



Your Floating Thermometer 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).

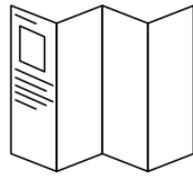
C In the Box



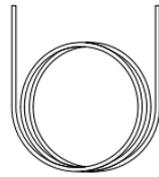
Floating Thermometer



2 x AA Batteries
(Pre-installed)



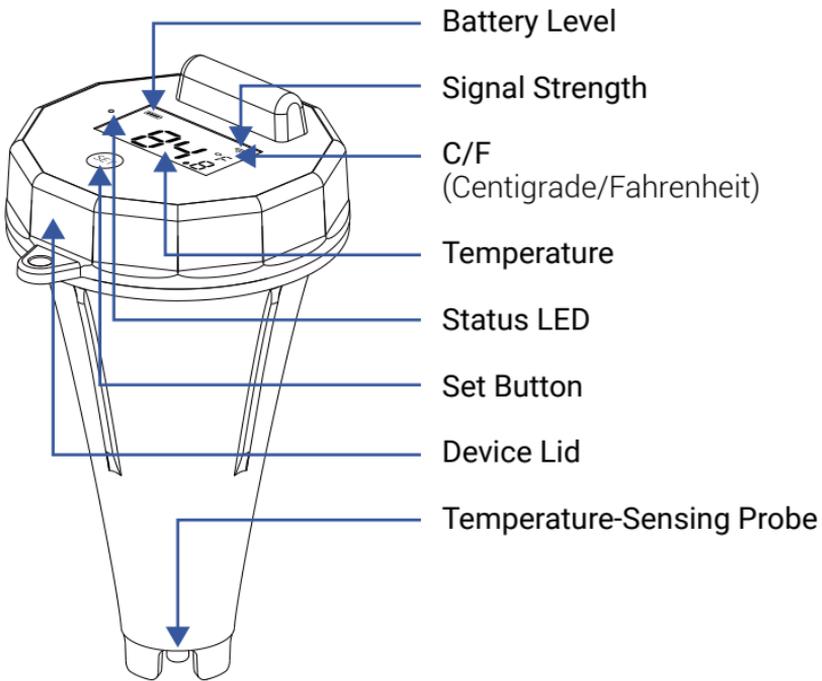
Quick Start Guide



Securing Rope

D

Get to Know Your Sensor



LED Behaviors



Blinking Red Once, then Green Once
Device Start-Up



Blinking Red And Green Alternately
Restoring to Factory Defaults



Blinking Green
Connecting to Cloud or Functioning Normally



Slow Blinking Green
Updating



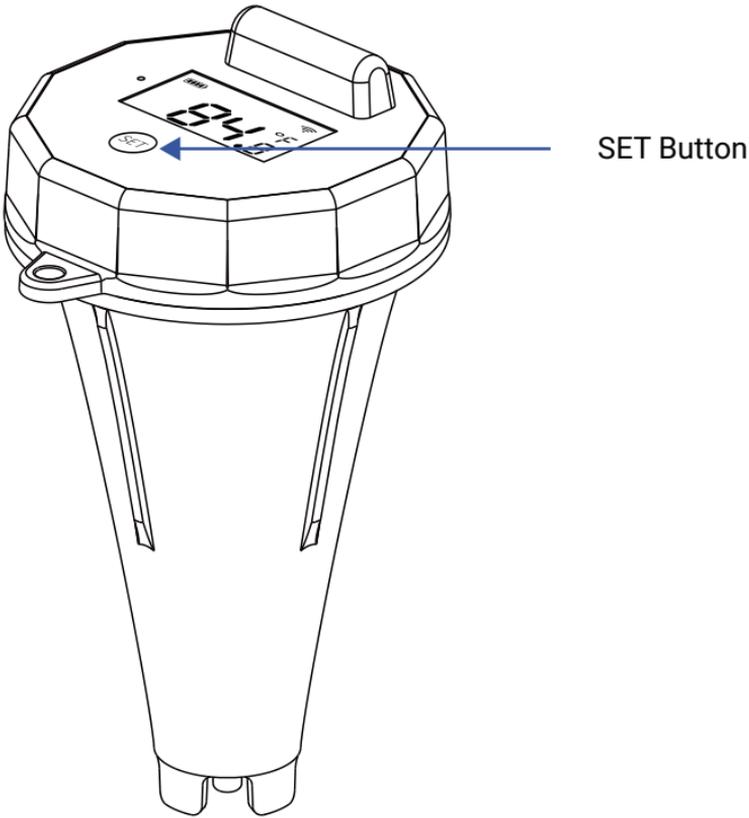
Blinking Red Once
Device Alerts



Fast Blinking Red Every 30 Seconds
Low Battery; Replace Batteries Soon

E Power Up

Turn on the Floating Thermometer by briefly pressing the SET button, until you see the LED flash red then green.



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.

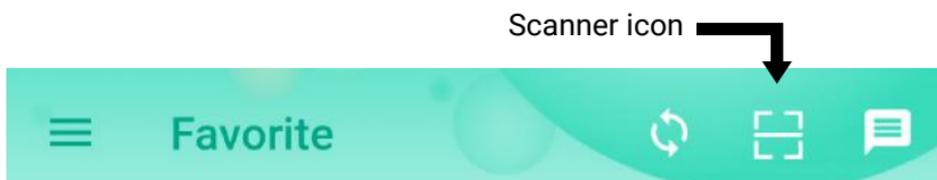
You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

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

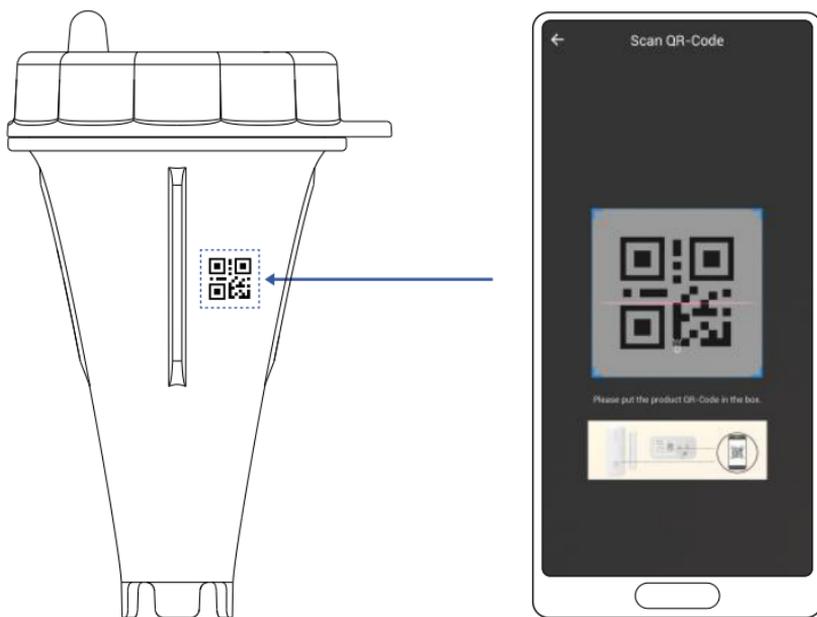
The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

G Add Your 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.



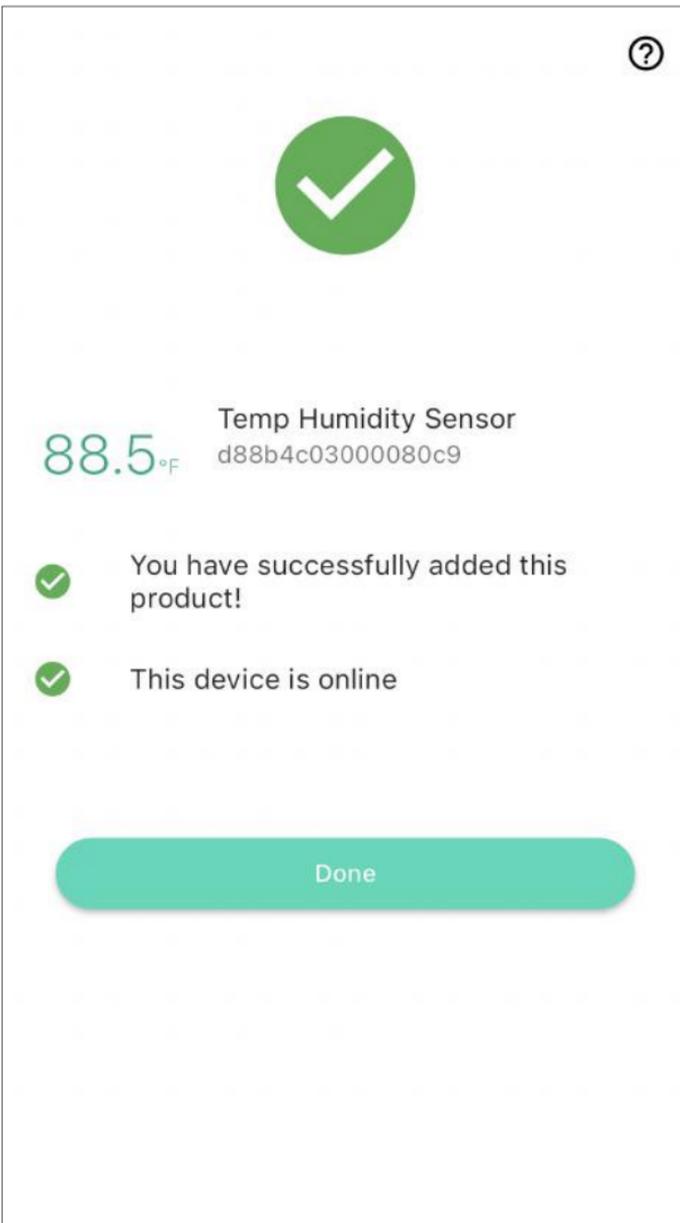
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.

G

Add Your 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 Installation

The Floating Thermometer is a device designed to measure the temperature of water or other liquids. Its floating design allows it to remain on the surface of the water, making it easy to read the temperature. Installing the Floating Thermometer is straightforward:

1. Gently place the Floating Thermometer on the surface of the pool.
2. Ensure the thermometer is floating vertically with the probe fully submerged.
3. Allow a few minutes for the thermometer to adjust to the water temperature.
4. Read the current water temperature from the top screen of the thermometer or via the YoLink App.



Although the Floating Thermometer is designed for outdoor use, ensure that the sensor operates within the environmental temperature range specified in the product specifications. For detailed information, refer to the product's support page.

I App Functions: Device Screen

In the app, tap on your Floating Thermometer icon. Your Floating Thermometer main screen should be similar to the one shown below.

The screenshot shows the 'Temperature Sensor' screen in the app. At the top left is a back arrow. The title is 'Temperature Sensor'. To the right of the title are three icons: a question mark, a vertical ellipsis, and a battery icon. Below the title, the current temperature is displayed as '28.3' in large green text, with 'Temperature (°C)' above it. Below the temperature is the text 'Last update: 20 minutes ago'. Below this is a summary card for 'Today' and '24-Hours' showing 'Temperature (°C)' with values 'L:27.8 H:29.9 A:29.21'. Below the summary card is a line graph showing temperature over time from 01:00 AM to 03:00 PM. Below the graph is a button labeled 'More Measurement Data ...'. At the bottom of the screen is a 'History' button with a circular arrow icon.

- Tap to Exit This Screen**: Points to the back arrow at the top left.
- Device Name**: Points to the text 'Temperature Sensor'.
- Tap for Contact & Support Resources**: Points to the question mark icon.
- Tap for Device Details Screen**: Points to the vertical ellipsis icon.
- Signal Strength**: Points to the signal strength icon.
- Battery Level**: Points to the battery icon. Green = batteries are good; Red = replace batteries soon.
- Latest Refresh Time**: Points to the text 'Last update: 20 minutes ago'. Sensor refresh frequency (refer to page 21).
- Latest Refresh Temperature**: Points to the temperature value '28.3'. Green: Normal; Red: Warning.
- Tap to view and export historical temperature data charts**: Points to the 'More Measurement Data ...' button.
- Device Alert History**: Points to the 'History' button at the bottom. Tap to view and download alert historical logs.



App Functions: Device Details Screen

Tap the three dots (in the upper right corner) to open the Floating Thermometer **Details** screen. Your Floating Thermometer screen should be similar to the one shown below.

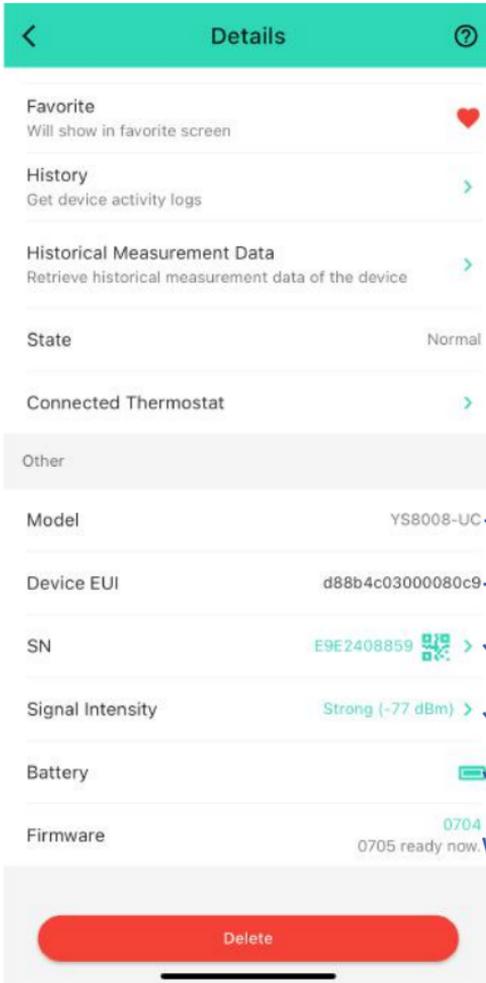
The screenshot shows the 'Details' screen for a 'Temp Humidity Sensor'. The screen is divided into several sections: 'Device Type', 'Device Name', 'Room', 'Alert', 'Calibration', 'Temperature Unit', 'Favorite', 'History', 'Historical Measurement Data', 'State', 'Connected Thermostat', and 'Other'. Each section has a right-side arrow or icon indicating an action. Callouts point to these elements with the following descriptions:

- Device Type**: Temp Humidity Sensor
- Device Name** (Tap to Edit): 8008Temp 80c9
- Room** (Tap to Edit): Not Set
- Alert**: Tap to edit Alert Settings (see Alert Settings)
- Calibration**: Tap to calibrate the sensor (see page 19)
- Favorite** (Red if Favorite, Tap to Edit): Will show in favorite screen
- History**: Tap to view device history
- Historical Measurement Data**: Tap to view and export the data charts
- Status**: General status of the device (Normal, Offline, Warning, etc.)

Other fields shown include: Model (YS8008-UC) and Device EUI (d88b4c03000080c9).



App Functions: Device Details Screen, Continued



Model Number

Device EUI

Unique Identifier Number (Unique)

Device Serial Number

Signal Intensity

(From YoLink Hub)

Battery

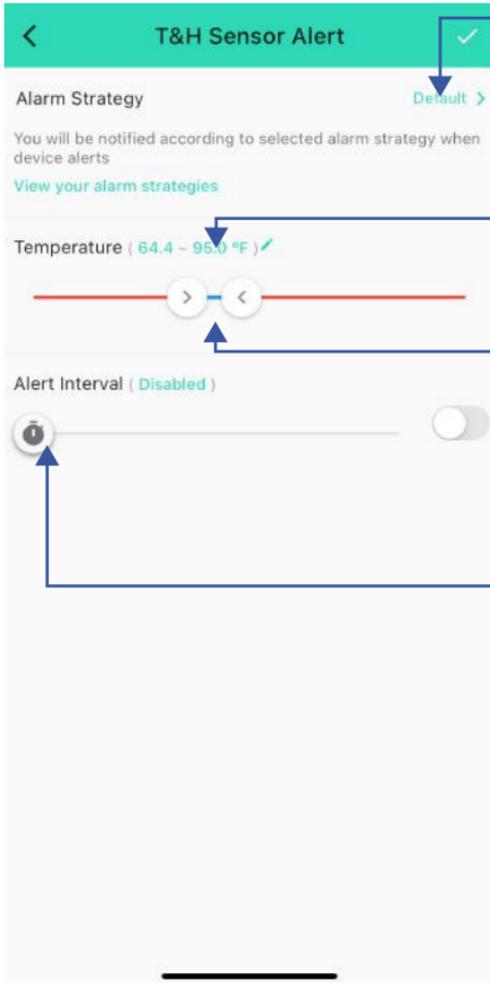
Battery level indicator. If red, batteries are low; replace batteries soon.

Firmware Revision

(Refer to page 29)



App Functions: Alert Settings Screen



Alarm Strategy

Tap to edit the sensor's Alarm Strategy

Tap here to open the digital temperature alert settings

Tap the slider control and adjust the high or low alert value. The "normal" range will be displayed in blue text as a low alert value, to the high alert value.

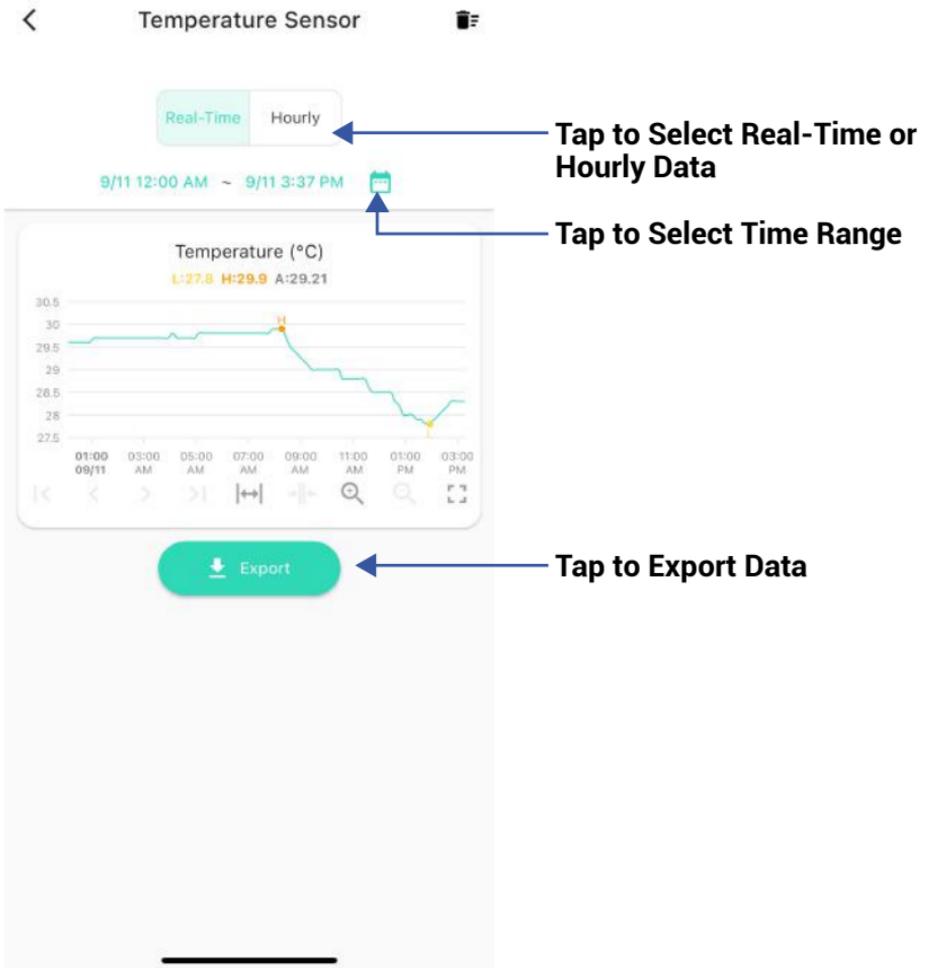
Alert Interval

Choose how often you want to be reminded after an alert.

The default is every 5 minutes.



App Functions: Chart Screen





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.

The screenshot shows the 'Alarm Strategy' settings screen. The title bar is green with a back arrow and a question mark icon. Below the title bar, there are several sections: 'Name' with a value of 'Always' and a chevron; 'Related Devices' with a value of '1' and a chevron; 'Enable Device Alarm' with a toggle switch that is turned on; 'Do Not Disturb' with a toggle switch that is turned off; 'Send App Notification' with a dropdown menu set to 'Admin'; 'Send Email' with a dropdown menu set to 'None'; 'Send SMS' with a dropdown menu set to 'None'; and 'Trigger Action' with a dropdown menu set to 'None'. A green 'Save' button is at the bottom.

Strategy Name
Tap to edit the name

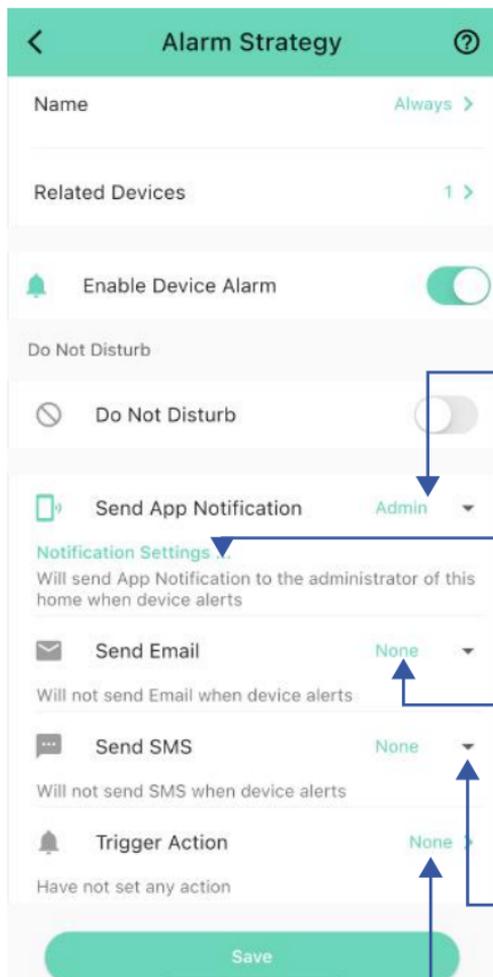
Related Devices
Tap to add more devices (that can alert) to this strategy, a device can be related to only one strategy

Tap to Enable or Disable The Strategy

Tap to Set Up Dnd (Do Not Disturb)



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 only)

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 (subscribe required-starter or standard plan), if desired to send to all members

Trigger Action

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



App Functions: Automation

The Floating Thermometer can be set up as a condition in an automation. For example, you can automatically turn on a fan if the sensor detects a high temperature. This example is shown below. The automation also sends a custom notification (via app push notification, email SMS, or SpeakerHub broadcast) reminding you the sensor detects high or low temperature.

Automation

Name
High temp turn on fan 21/64

When

Temperature Sensor High temperature alert

Then

Behavior

Fan
Turn ON

Working Time

Always Working

Delete

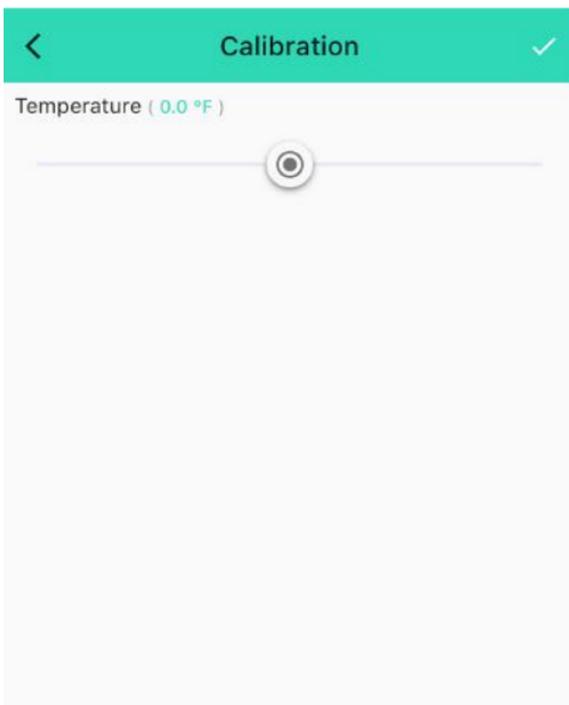
0 Sensor Calibration

Your Floating Thermometer has a high-accuracy digital sensor that has been calibrated at the time of manufacture. Your sensor readings should always be accurate, but if you believe the sensor is not accurate and/or if you have a thermometer or trusted sensor, etc. that displays a different reading, you can adjust the humidity and temperature readings with a plus or minus offset of your choice. For example, if a calibrated or trusted thermometer reads 0.5 degrees higher than your sensor, you can adjust, or calibrate, the sensor reading to be 0.5 degrees higher than it normally displays.

0 Sensor Calibration, Continued

How to Calibrate Your Sensor:

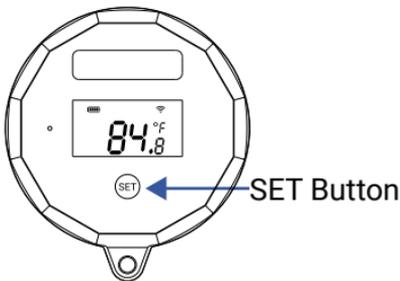
1. Open the sensor's **Details** screen and tap Calibration.
2. The Calibration screen is displayed, as shown below. To calibrate the temperature or humidity, tap and hold the associated slider bar control, then slide the control to the right, for a positive offset, or to the left, for a negative offset. The offset will be displayed with a "+" or "-" number. For example, to adjust the temperature plus 1 degree, tap and hold the Temperature control, and slide it slowly to the right, until "+1.0°" is displayed.



3. Tap the checkmark, to save your settings.

P Sensor Refresh Frequency

The temperature reading refreshes when one of the following conditions are met:



a. The SET button has been pressed

b.

- When temp is over 32°F(0°C), at least 1.8°F (1°C) change over a period longer than 1 minute;
- When temp is between 14°F(-10°C) and 32°F(0°C), at least 2.7°F (1.5°C) change over a period longer than 1 minute;
- When temp is between -4°F(-20°C) and 14°F(-10°C), at least 3.6°F (2°C) change over a period longer than 1 minute;
- When temp is below -4°F(-20°C), at least 9°F (5°C) change over a period longer than 1 minute.



P

Sensor Refresh Frequency, Continued



c. At least 3.6°F (2°C)
change within 1 minute



e. Device alert level
reached or restored to
normal range

d. Otherwise, the values
will be refreshed
automatically once an
hour

Q 3rd-Party Services

The YoLink Floating Thermometer works with several voice assistants, including Alexa and Google, and it works with other automation platforms such as IFTTT.

To set up voice assistant integrations, in the app, go to Settings, Third-Party Services, and follow the instructions.

Please note, IFTTT supports Floating Thermometer as a trigger action (High Temp, or Low Temp) in the routine.

Alexa now includes the capability to query the temperature of a device and utilizes the Floating Thermometer for initiating trigger actions, based on high or low temperature.

Notably, in the Alexa interface, these temperature conditions are represented as motion sensors. For instance, when setting up a routine in Alexa, you can select "Pool Temp Humidity | High Temperature - Motion Detected" as the condition under the "when" section to initiate the routine.

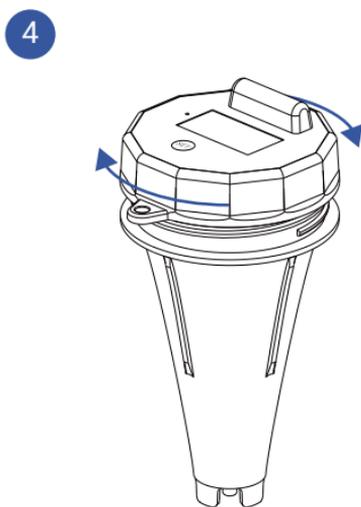
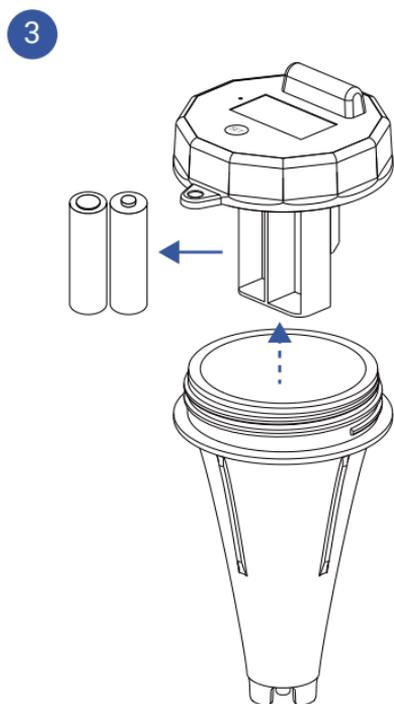
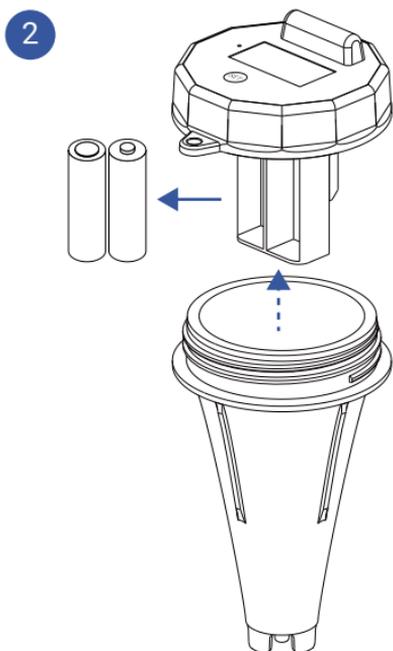
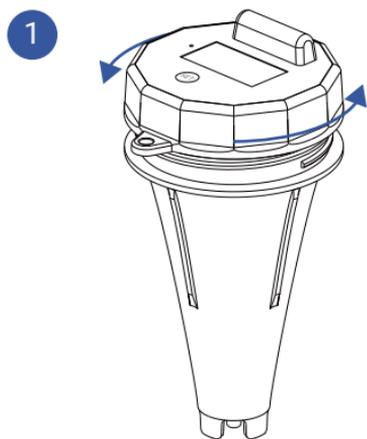
Google only supports querying the temperature of the devices.

For example, edit the name of the device in Alexa or Google to "Pool", then you can ask: "Echo, what is the Pool temperature?"

You can also try, "Alexa, what is the temperature of the Pool sensor?"

R Battery Replacement

Turn the thermometer lid counterclockwise to open it, remove the old batteries, replace them with new AA batteries, and then turn the lid clockwise to close it.



S Specifications

Voltage: 3V DC (2xAA alkaline batteries)

Device Current Draw: $\leq 150\text{mA}$ (Operating)
 $\leq 35\mu\text{A}$ (Standby)

Sensor Types: Temperature

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

Alert Temperature: -40°F - 221°F
(-40°C - 105°C)

Temperature Error (Typical): -40°F - 14°F /
 113°F - 140°F , $\pm 1.26^{\circ}\text{F}$
(-40°C - -10°C /
 45°C - 60°C , $\pm 0.7^{\circ}\text{C}$)
 14°F - 113°F , $\pm 0.9^{\circ}\text{F}$
(-10°C - 45°C , $\pm 0.5^{\circ}\text{C}$)
 140°F - 176°F , $\pm 1.8^{\circ}\text{F}$
(60°C - 80°C , $\pm 1.0^{\circ}\text{C}$)
 176°F - 221°F , $\pm 2.7^{\circ}\text{F}$
(80°C - 105°C , $\pm 1.5^{\circ}\text{C}$)

S Specifications, Continued

Environment:

Working Temperature:

1. Sensor body:

-22°F -140°F

(-20°C-50°C)

2. Cable Whip &

Detection Probe:

-40°F -221°F

(-40°C-105°C)

Working Humidity:

1. Sensor body: $\leq 90\%$

2. Cable Whip &

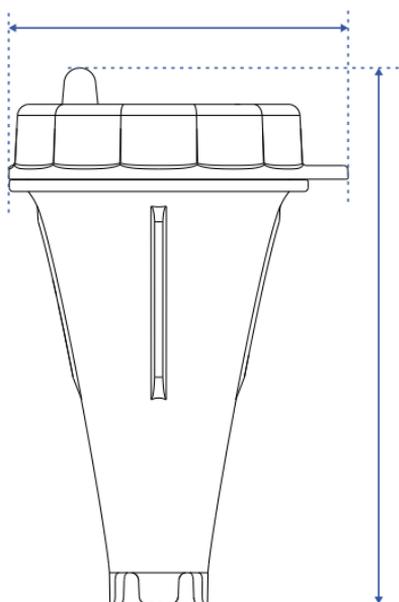
Detection Probe:

$\leq 100\%$



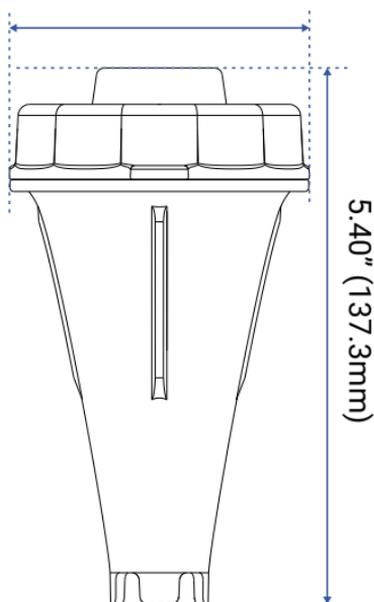
Specifications, Continued

3.38" (86.1mm)



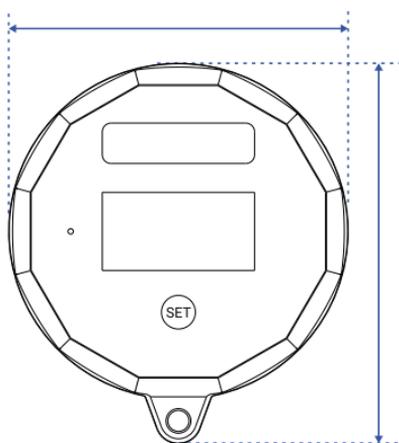
FRONT

2.99" (76.1mm)



SIDE

2.99" (76.1mm)

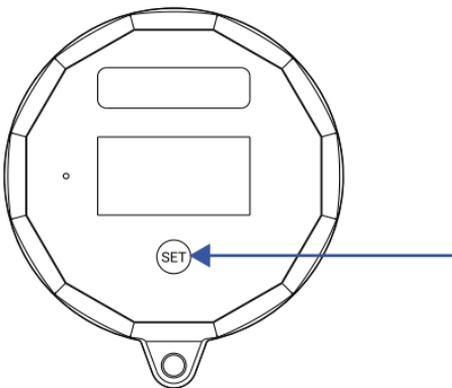


TOP

T Factory Reset

When directed by customer support, and/or as an attempt to resolve a problem with your Floating Thermometer, it may be necessary to perform a factory reset. Factory resetting your sensor returns it to the factory default programming and settings. This is a simple process:

Hold the SET Button for 20 to 30 seconds, until the LED blinks red and green alternately, then release the button.



SET Button
Press for 20 to 30 Seconds

Factory reset is complete when the LED stops flashing.



Only deleting a device from the app will remove it from your account



Firmware Updates

Your YoLink products are frequently being improved, with new features and functions added over time. It is periodically necessary to make changes to your device firmware. For optimal performance of your device, and to give you access to any improvements made to your device model, these firmware updates should be installed (added to your device) when they become available.

In the **Details** screen of your device, you will see the Firmware section, as shown in the image below. A firmware update is available if it says “#### ready now” (where #### is a four-digit combination of letters and/or numbers).

Signal Intensity

Strong (-32 dBm)

Firmware

0703

Delete



Firmware Updates, Continued

Firmware is like settings in your sensor that define the overall operations of the sensor. These settings are added to the sensor when it is manufactured, and they are periodically updated, as needed, to add improvements, new features, new integrations, etc, to your sensor, as they become available.

Tap in the Firmware area to start the update. The sensor will update automatically, indicating the progress by percentage-complete. You may use your sensor during the update process, as the update is performed “in the background”. You may see the LED slowly blink green during the update, and the update may continue for several minutes beyond the LED turning off.



If you experience incomplete firmware updates, please update only one device at a time. If this does not resolve the problem, please contact our customer support department!

V Warnings

- For optimal performance and lifetime of your Floating Thermometer, please adhere to the following warnings:
- Please install, operate and maintain the Floating Thermometer only as outlined in this manual. Improper use may damage the unit and/or void the warranty.
- When replacing the batteries, only use new alkaline non-rechargeable batteries.
- Do not use rechargeable batteries
- Do not use zinc blend batteries.
- Do not mix old and new batteries.
- Adhere to the battery manufacturer's safety and disposal or recycling instructions.
- 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.
- To avoid damaging the device, if storing the device for an extended period, remove the batteries.

V Warnings, Continued

- Do not install or use this device where it will be subjected to high temperatures and/or open flame.
- Refer to Specifications for the device environmental limitations.
- Please contact Customer Support before attempting to repair, disassemble, or modify your sensor, any of which can permanently damage your sensor and void the 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.

X 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.

X 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:
FLOATING THERMOMETER

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS8008-UC

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

EMAIL:
SERVICE@YOSMART.COM



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 service@yosmart.com

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

YOLINK

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