YOLINK

Temperature Humidity Sensor

YS8003-UC, YS8003-EC

User Guide

Rev 1.2

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 Temperature Humidity 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

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A. In the Box

A. Temperature Humidity Sensor

B. Quick Start Guide

A.

B.

B. Introduction

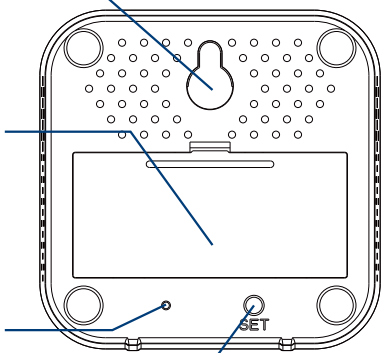
Temperature Humidity Sensor is a thermometers and hygrometers. With monitoring the real-time temperature and humidity levels in your home, it can provide you with an early warning if temperature or humidity is out of the comfortable range, the sensor will blink red once, and notifications will be sent to you via the YoLink app. (Available notification types are: email, and banner notifications on your Apple or Android smartphone, each configurable in app settings)

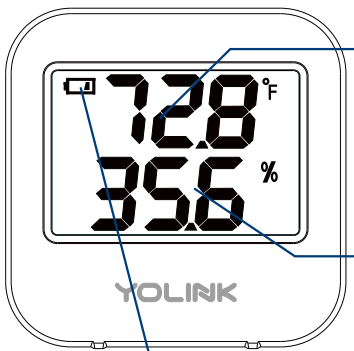
Mounting Slot
Hang the sensor on the wall with a screw or nail

Battery Compartment
Houses two AAA non-rechargeable batteries

LED Status Indicator

SET Button
Press once to switch temperature mode: °C / °F



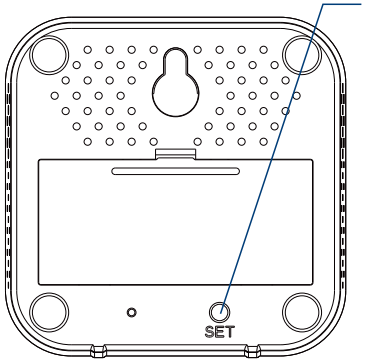


Real-time Temperature Value (°C / °F)

Real-time Humidity Value

Battery Level
Icon is only visible if the batteries need to be replaced

The LED light indicates the current status of the sensor:



Blinking Red Once, then Green Once
Device turned on

Blinking Red And Green Alternately
Restoring to Factory Defaults

Blinking Green Once
Switching temperature mode

Blinking Green
Connecting to Cloud

Slow Blinking Green
Updating

Blinking Red Once
Device alerts or 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 15)

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

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

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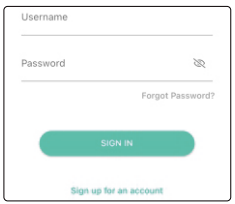
2. Log in to the YoLink app

> Create a new account if required



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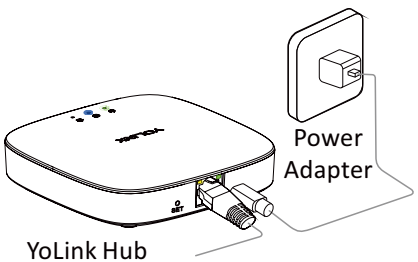
3. The YoLink Hub is required to set up your Temperature Humidity Sensor. Please set up your YoLink Hub first (refer to YoLink Hub manual)

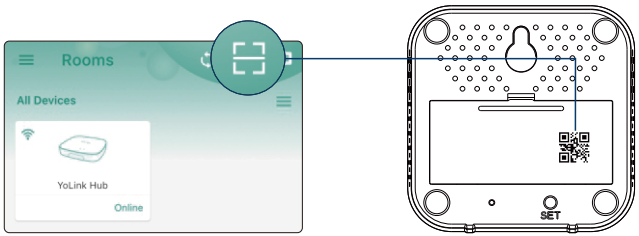


> 1. Make sure your Hub is connected to the internet (green LED indicator is blinking, blue LED indicator is always on)
>
> 2. Ethernet patch cable (included) to your network (router, switch, etc.), recommended. Otherwise connect your Hub to your home 2.4 GHz Wi-Fi network (only when necessary). Refer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

C-2. Add Device

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

> ! You must press "Bind Device" to pair the device to your account



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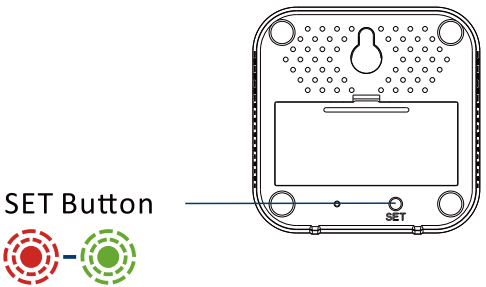
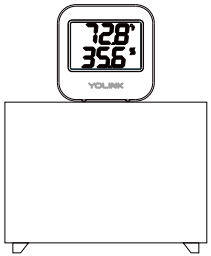
2. Press the SET button once to turn on the device. The Status LED will blink red once, then green several times, indicating your device has connected to the cloud and is ready to use



> !
> 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 green 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

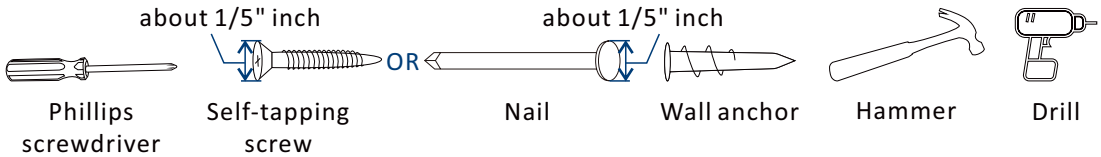
Place where wish to monitor the temperature and/or humidity

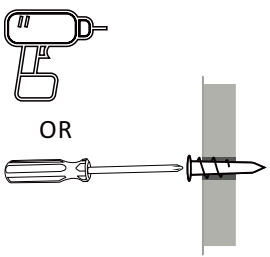


1. Ensure your device is placed on a stable surface or mounted securely on a wall or other surface
2. Please refer to device environmental operating range information on page 17. Use this device outside the recommended ranges at your own risk

Wall-Mounting

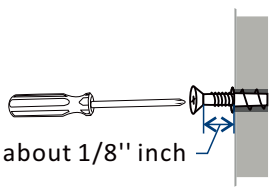
These tools may be required (Choose nail or screw & anchor method)





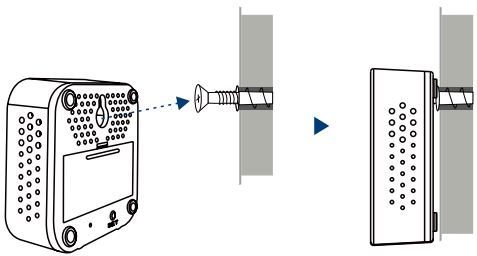
Install wall anchor

in the wall



Install screw in anchor

(or nail in wall)
with about 1/8" gap left



Hang sensor on screw (or nail)

using the mounting slot

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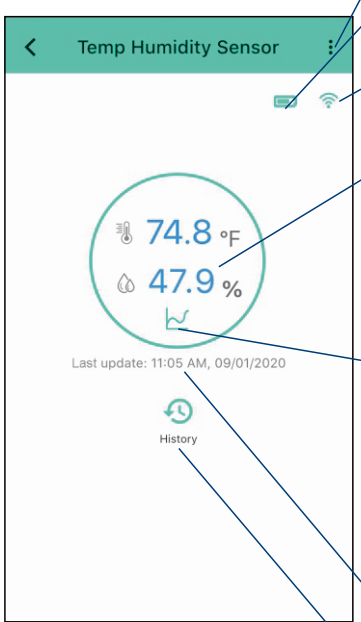
D. Using the YoLink App

D-1. Device Page



Details
- *Tap to go to Details page (refer to page 9)*

Battery Level of Temperature Humidity Sensor
- *Shown red if battery level is low*

Connection Status
of Temperature Humidity Sensor and Hub

Latest Refresh Temperature Value & Humidity Value
- *Blue: Normal, Red: Warning*

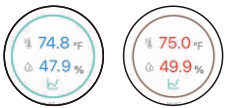


Chart for History Value of temperature and humidity
- *Hourly: last **twenty-four** hours; Daily: last **seven** days*
- *Download the history values of last **seven** days*

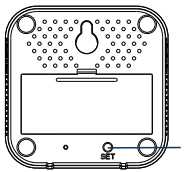
Latest Refresh time for Temperature & Humidity Value
- *Sensor refresh frequency (refer to page 8)*

Device Alert History
Historical log of temperature and humidity alerts, logged with date & time

Sensor Refresh Frequency

- Both temperature and humidity values refresh when one of the following conditions are met:

a. The SET button has been pressed



SET Button

b. At least 0.9°F(0.5°C) change over a period longer than 1 minute

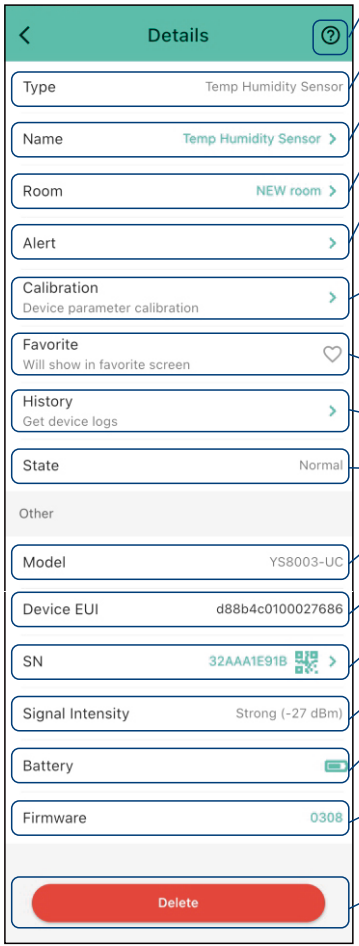
c. At least 3.6°F(2°C) change within 1 minute

d. At least 5% change over a period longer than 1 minute

e. Device alert level reached or restored to normal range

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

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

- Enable or disable alerts

a. Set alert range for temperature or humidity

b. Set re-notification interval after a temperature or humidity alert (refer to page 10)

e. A calibration Value for temperature or humidity

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

g. Add/Remove from favorites

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

i. Real-time Status: Normal, Warning

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

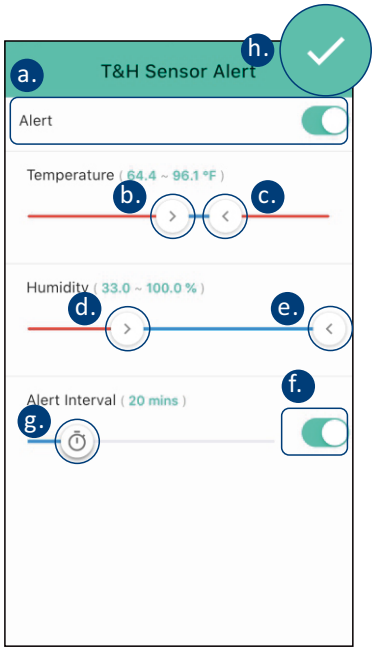
- "#### ready now" indicates a new update is available (refer to page 13)

p. Remove Device From Current Account

- Tap to delete the device from your YoLink account

> 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)

Alert Settings

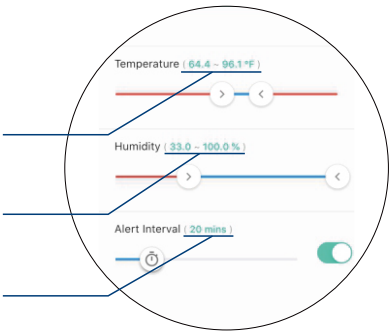


a. Enable or disable alert
- Receive notifications when the temperature value or humidity value is below the low alert value or above the high alert value set below
b. Slide to set the low temperature alert value *(Default is 64°F (18°C)*
c. Slide to set the High temperature alert value *(Default is 95°F (35°C)*
d. Slide to set the low humidity alert value *(Default is 0%)*
e. Slide to set the high humidity alert value *(Default is 100%)*
f. Enable or disable re-notification after a temperature or humidity alert
g. Set the re-notification duration between additional alerts
h. Tap to save the settings

Desired range of temperature
- Device will alert outside of this range

Desired range of humidity
- Device will alert outside of this range

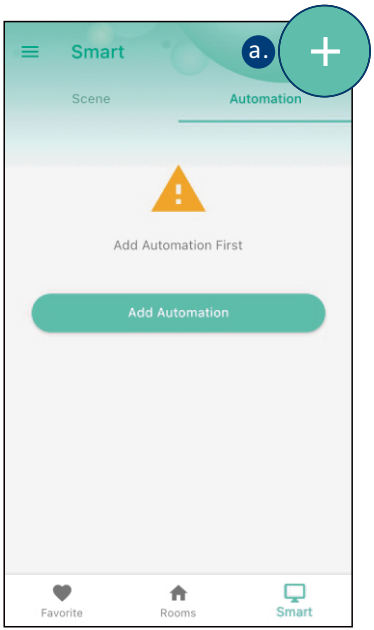
Re-notification interval



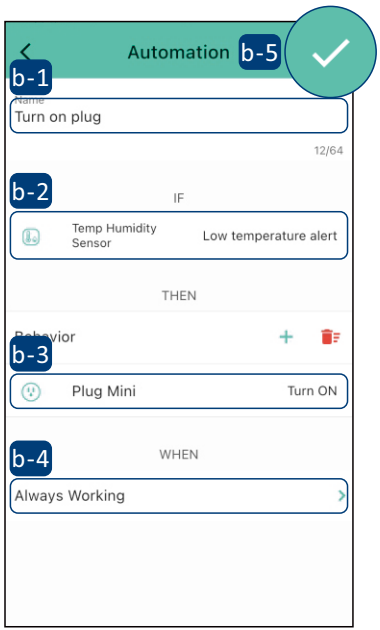
D-3. Automation

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

> The Temperature Humidity Sensor can be set as a trigger only, with four trigger options: Low Temperature Alert; High Temperature Alert; Low Humidity Alert; High Humidity Alert

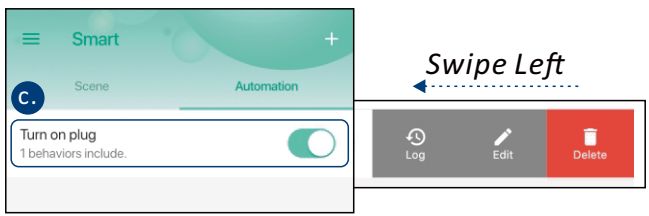


a. Tap the “+” icon to add an automation



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



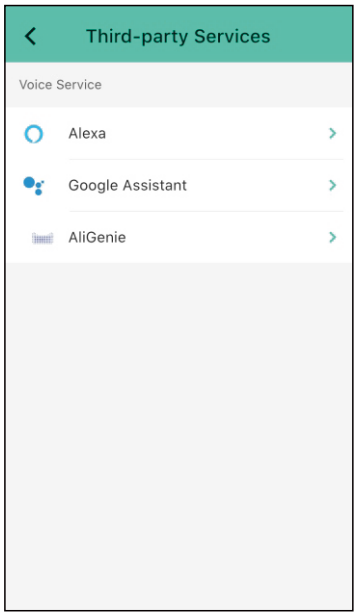
c. Click to edit the automation

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

D-4. Third-party Assistants

Connect YoLink with third-party voice assistants 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



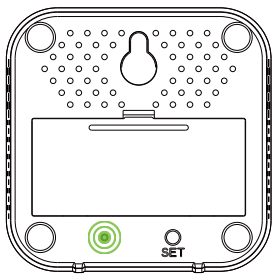
1. The Temperature Humidity Sensor integrates with Alexa and IFTTT.com
2. Monitor the temperature value of the Temperature Humidity Sensor from the Alexa app
3. Temperature value can be queried by voice command as well as the Alexa app (For example, "Alexa, what is the temperature value of the Living Room Temperature Humidity Sensor?" -- "The temperature of the Living Room Temperature Humidity Sensor is 70°F"
4. The Temperature Humidity Sensor can not be used as a trigger or input for Alexa routines, this is due to Alexa not support currently
5. The Temperature Humidity Sensor may be used as a trigger or input for custom applets (IFTTT.com)
6. For additional information specific to the platform, refer to the associated app. Visit our website at www.yosmart.com/support-and-service for additional information, or contact us via email or phone (see page 21 for Customer Support email address and phone number) information

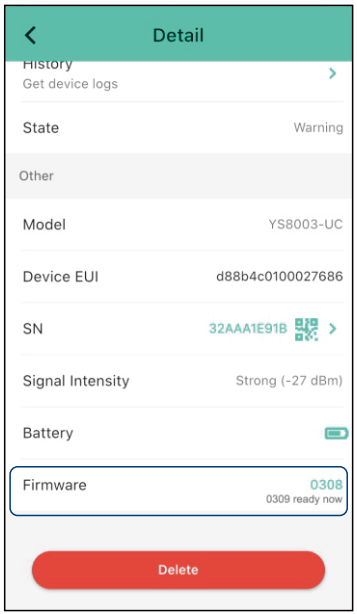
E. Maintenance

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 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

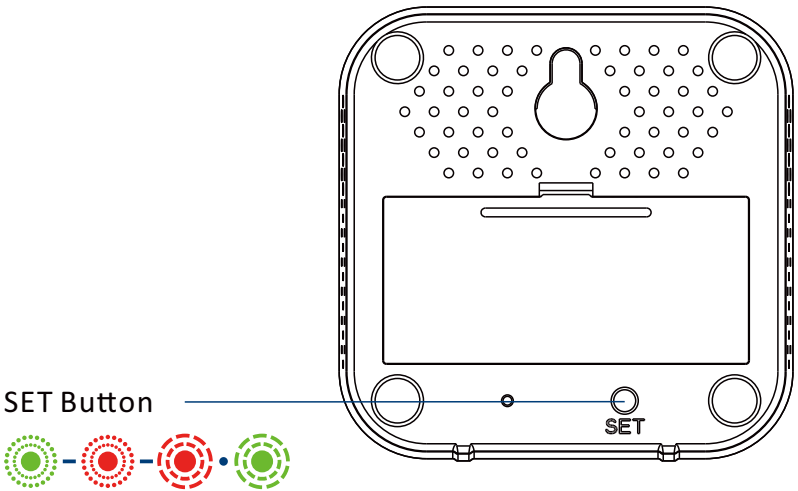




E-2. Factory Reset

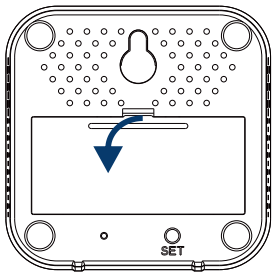
Factory reset will erase all of your settings and restore it to factory defaults. After the factory reset, your device will remain in your Yolink account

- 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

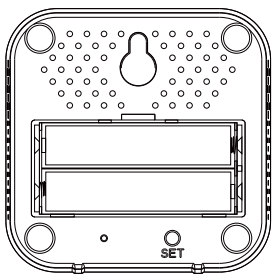


E-3. Replacing the Batteries

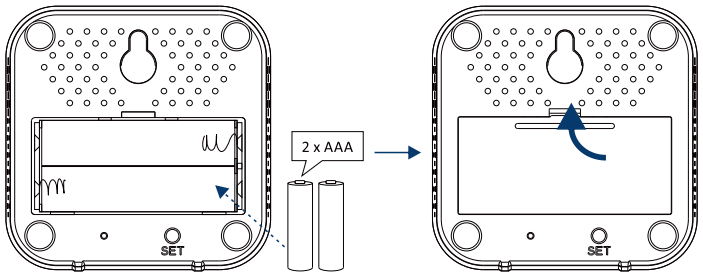
1. Remove the battery cover by gently prying with your fingertip or tool at the edge as shown



2. Remove the old batteries



3. Install two new alkaline non-rechargeable AAA batteries, and then close the battery cover



Do not mix old and new batteries

4. Using the app, check the online status of the sensor and verify there is no low-battery indicator

F. Specifications

Voltage:	3V DC (2 - Alkaline Non-Rechargeable AAA batteries)
Device Current Draw:	≤ 135mA (operating), ≤ 40uA (standby)
Sensor Types:	Temperature, Humidity
Temperature Value Accuracy:	0.1 (°F/°C)
Humidity Value Accuracy:	0.1%
Alert Temperature:	-22°F - 158°F (-30°C - 70°C)
Alert Humidity:	0% - 100%
Dimensions:	2.44 x 2.44 x 0.93 inches (62 x 62 x 23.5 millimeters, L x W x D)

Temperature Error (Typical):	-22°F - 14°F, ±1.08°F (-30°C - -10°C, ±0.6°C) 14°F - 39.2°F, ±0.72°F (-10°C - 4°C, ±0.4°C) 39.2°F - 140°F, ±0.54°F (4°C - 60°C, ±0.3°C) 140°F - 158°F, ±0.72°F (60°C - 70°C, ±0.4°C)
Humidity Error (Typical, @77°F (@25°C)):	20% - 80%, ±3% 5% - 20%/80% - 95%, ±4% 0% - 5% / 95% - 100%, ±5%
Environment:	Working Temperature: 14°F - 122°F(-10°C - 50°C) Working Humidity: ≤95% (non-condensing)

F-1. Wireless Specifications (Model: YS8003-EC)

Description:	Temperature Humidity Sensor
Operation Frequency:(CE)	SRD(TX): 863.1 MHz
Max RF Output Power:(CE)	SRD: 5.60 dBm

F-2. Wireless Specifications (Model: YS8003-UC)

Description:	Temperature Humidity Sensor
Operation Frequency:	SRD(TX): 910.3 MHz
Max RF Output Power:	SRD: 5.60 dBm

G. Troubleshooting

Hardware:

1. Batteries: Batteries should be brand new, name brand “AAA” alkaline type. Refer to “Warnings” section on page 19

2. Screen: The device is turned off by default, press the SET button once to activate the device

3. Temperature unit: Press the SET button on the device to switch the display unit of temperature between “Centigrade” and “Fahrenheit”

Function:

1. Device is offline.

- If sensor is not connected to the cloud, press the SET button on temperature humidity sensor once
- If Hub is offline, reconnect the Hub to the Internet and press the SET button on temperature humidity sensor once
- If Hub is not on, power on the Hub again and press the SET button on temperature humidity 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” alkaline batteries

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

3. Other issues, contact customer service, **1-949-825-5958 (M-F 9am - 5pm PST)**

H. Warning

Please install, operate and maintain the Temperature Humidity 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 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

To avoid damaging the device, if storing the device for an extended period, remove the batteries

Refer to Specifications (page 17) for the device environmental limitations. Lithium non-rechargeable batteries, operating in a wider temperature range , are recommended for applications on the hotter or colder end of the device's operating range (device environmental limitation can be extended to the range of -22°F - 158°F (-30°C - 70°C))

Do not obstruct the openings on the housing, as they are used for temperature and humidity sensing

Do not install or use this device where it will be subjected to high temperatures and/or open flame

This device is not waterproof and is designed and intended only for indoor use. Subjecting this device to outdoor environment conditions such as direct sunlight, extreme hot or cold temperatures, rain, water and/or condensation can damage the device and will void the warranty

Install or use this device only in clean environments. Dusty or dirty environments may prevent the proper operation of this device, and will void the warranty

If your Temperature Humidity 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

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FCC Statement

Product Name: Temperature Humidity Sensor
Model Number: YS8003-UC, YS8003-UA
Responsible Party: YoSmart Inc.
Address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA
Tel: 1-949-825-5958
E-mail: service@yosmart.com

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."

CE Mark Warning

Product Name: Temperature Humidity Sensor
Model Number: YS8003-EC, YS8003-EA
Responsible Party: YoSmart Inc.
Address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA
Tel: 1-949-825-5958
E-mail: service@yosmart.com

The host manufacturer has the responsibility that the host device should be compliance with all essential requirement of RER. This restriction will be applied in all member states. The simplified UK declaration of conformity referred shall be provided as follows: Hereby, YoSmart Inc. declare that the radio equipment type Temperature Humidity Sensor is in compliance with Directive UK Radio Equipment Regulations (SI 2017/1206); UK Electrical Equipment (Safety) Regulation (SI 2016/1101); and UK Electromagnetic Compatibility Regulations (SI 2016/1091); The full text of the UK declaration of conformity is available at the following internet address: 15375 Barranca Parkway, Ste G-105 Irvine, CA 92618, USA