



# YOLINK

## X3 Temperature & Humidity Sensor

YS8006-UC

Installation Manual & User Guide

Rev 1.0

August 19, 2022

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## User Guide Conventions

To assure your satisfaction with your purchase, please read this user guide we have prepared just for you. The following icons are used to convey specific types of information:



Very important information (can save you time!)



Good to know info but may not apply to you



Mostly unimportant (it's ok to breeze past it!)

### A Welcome!

Thank you for purchasing YoLink products!

Whether you are adding additional YoLink products or if this is your first YoLink system, 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 X3 Temperature & Humidity Sensor 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!

**Eric Vanzo**

Customer Experience Manager

The YoLink X3 Temperature & Humidity Sensor is a smart wireless combination thermometer and hygrometer. By monitoring the real-time temperature and humidity levels at the sensor location, it can provide you with the current conditions as well as alert you to off-normal conditions.

For full functionality, your smart X3 Temperature & Humidity Sensor connects to the internet by connecting wirelessly to one of our hubs (original YoLink Hub or the SpeakerHub), not via WiFi or other wireless methods. If you do not not already have a YoLink hub, and unless there is an existing YoLink wireless network in your building (e.g. apartment complex or high-rise condominium building), please purchase and set-up your hub before proceeding with the installation of your new sensor.

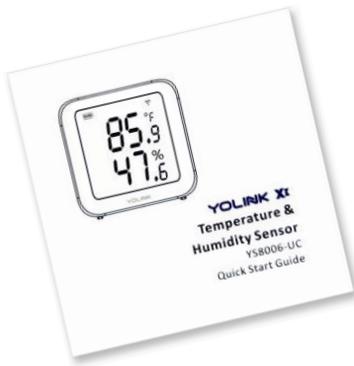
The X3 Temperature & Humidity Sensor has on-board memory capable of storing over 5000 events. If your sensor loses its connection to the internet, it is capable of storing and later uploading recorded events to the cloud (making them available to you via the app, for viewing and exporting, etc.). For example, if set for 1 minute intervals, the sensor can store at least 30 days of sensor data. Recording intervals are set in the app (see page 12).



The original YoLink Hub or the SpeakerHub is required for full functionality.



X3 Temperature & Humidity Sensor



Quick Start Guide

## D Install the YoLink App

1

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

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  
4.4 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, if prompted.



If you encounter an error message attempting to create an account, disconnect your phone from WiFi, and try again, connected only to the cellular network



Retain your username and password in a secure location

2

You will immediately receive an 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.

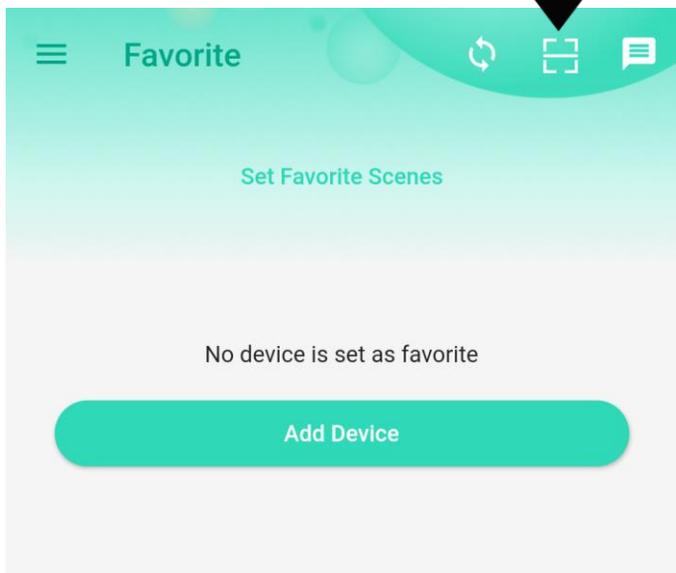
3

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

4

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

QR code scanner icon



5

Approve access to the camera, if requested. A viewfinder will be shown on the app.



6

Hold the phone over the QR code (on the rear of the X3 T/H Sensor) so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed

7

Refer to Figure 1 on the next page. You can edit the name of the X3 T/H Sensor, and assign it to a room, if desired. Tap the Favorite heart icon to add this device to your Favorites screen. Tap **Bind device**

8

If successful, close the Device Bound pop-up message by tapping **Close**

9

Tap **Done** as shown in Figure 2.

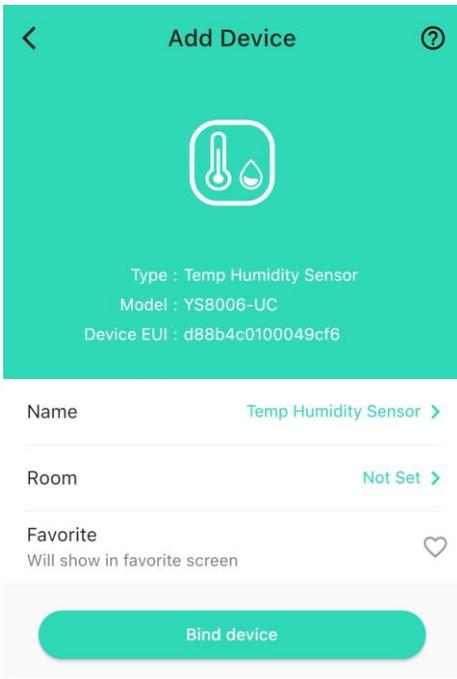


Figure 1

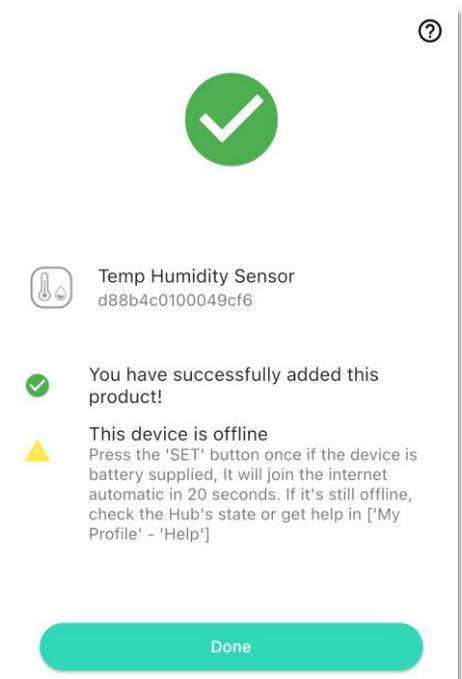


Figure 2



If this is your first YoLink system, please visit our product support area at [yosmart.com](https://yosmart.com) for an introduction to the app, and for tutorials, videos, and other support resources.

10

Ensure your YoLink Hub or SpeakerHub is setup and online before proceeding to the next step.

1

If not already turned on, press the SET button once to turn on the device. Place the sensor at the desired location.

2

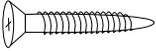
Ensure your device is placed on a stable surface or mounted securely on a wall or other surface.



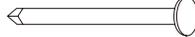
Please refer to device environmental operating range information on part M. Use this device outside the recommend ranges at your own risk.

## Wall-Mounting

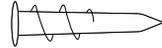
These items may be required for the wall-mounting:



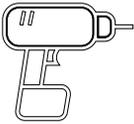
Self-tapping screw



nail



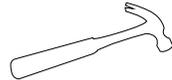
Wall anchor



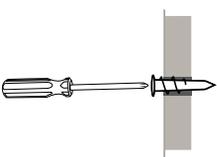
Drill



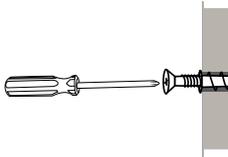
Phillips screwdriver



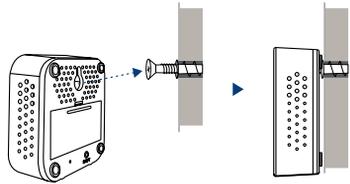
Hammer



**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

Please take a moment to familiarize yourself with your X3 Temperature & Humidity Sensor, in particular the LED behaviors and SET button functions.

#### Mounting Slot

Hang the sensor on the wall with a screw or nail

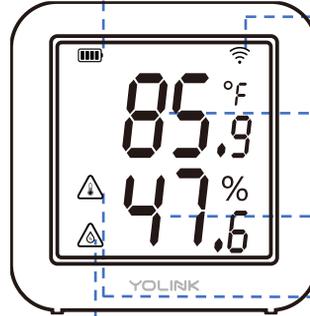
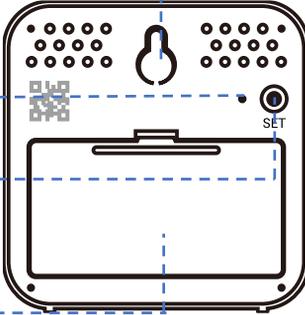
#### LED Status Indicator

#### SET Button

Press once to turn on device or to switch temp mode: °C/°F

#### Battery Compartment

Houses two AA Lithium non-rechargeable batteries



#### Battery Level

0 bars indicates the batteries need to be replaced

#### Signal Intensity

Shows the communication status of sensor and hub

#### Real-time Temperature Value (°C/°F)

#### Real-time Humidity Value

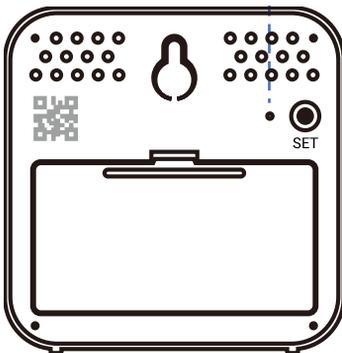
#### High Temp Alert

Icon is only visible if high temperature is detected

#### High Humidity Alert

Icon is only visible if high humidity is detected

## LED Behavior explanations:



 **Blinking Red Once, then Green Once**  
Device turned on / start-up

 **Blinking Red And Green Alternately**  
Restoring to Factory Defaults

 **Blinking Red Once**  
Device is in alert mode  
Switching temperature mode  
Device is connected to the cloud and is functioning normally

 **Blinking Green**  
Connecting to Hub

 **Slow Blinking Green**  
Updating

 **Fast Blinking Red Every 30 Seconds**  
Batteries are low; please replace the batteries

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

## SET button



a. The SET button has been pressed



b. At least 9°F(5°C) change over a period longer than 1 minute



c. At least a 10% change over a period longer than 1 minute



d. Device alert level reached or restored to normal range



e. Refresh icon in Device screen is tapped

f. Otherwise, the values will be refreshed in each recording interval

**Device Support**

**Device Settings**  
- Tap to go to Details screen

**Battery Level**  
- Shown red if battery level is low

**Connection Status**

**Latest Refresh Temperature**  
- Green: Normal; Red: Warning

**Latest Refresh Humidity**  
- Green: Normal; Red: Warning

**Refresh Icon**  
- Tap to refresh readings

**Latest Refresh Time**  
- Sensor refresh frequency (refer to page 10)

**Chart for History Value**  
- Daily, Weekly, Monthly

**Device Alert History**  
- Historical log of temperature and humidity alerts

Temp Humidity ...

Temperature (°F) | Humidity (%)

86.9 | 55.2

Last update: few seconds ago

Temperature (°F)

Humidity (%)

87.5

60

52

00:00 04:00 08:00 12:00 16:00 20:00

00:00 04:00 08:00 12:00 16:00 20:00

More ...

History

Setting	Value	Description
Device type	Temp Humidity Sensor	Device type (Temp Humidity Sensor)
Device name		Device name -Tap to edit the device name
Room	X3 Temp Humidity >	Room -Tap to assign a device to a room
Alert Settings	Not Set >	Alert Settings -Tap to set up alert range and alert interval (page 12)
Calibration		Calibration -Tap to calibrate if you think the readings are inaccurate ( $\pm 9^{\circ}\text{F}/\pm 5\%$ )
Recording Interval	10 minutes >	Recording Interval -Device sampling frequency, 10 to 60 minutes setup is standard. More frequent available by subscription
Favorite	Will show in favorite screen	Favorite -Tap the heart icon, the device will be displayed on the Favorite tab
History	Get device logs	History -Tap to view the device alert history
State	Normal	State -Displays the current online/offline state of the device
Model	YS8006-UC	Model -X3 Temperature Humidity Sensor Model (YS8006-UC)
Device EUI	d88b4c0100049cf6	Device EUI -Device's unique ID number
SN	838ACE1B94  >	SN -Device's unique serial number, tap to save the device's QR code, if desired
Signal Intensity	Strong (-43 dBm)	Signal Intensity -Indicate how strong the signal is from the nearest hub
Battery		Battery -Shown red if batteries are low
Firmware	0601	Firmware -Indicates the current firmware version. If a second number is shown with the words "Ready" there is a newer firmware version available. Tap the word Ready to start the update

**Delete**

The screenshot shows the 'T&H Sensor Alert' settings screen. At the top, there is a back arrow, the title 'T&H Sensor Alert', and a checkmark. Below the title, the 'Alarm Strategy' is set to 'Default' with a right-pointing arrow. A note states: 'You will be notified according to selected alarm strategy when device alerts'. A link 'View your alarm strategies' is provided. The 'Temperature' section shows a range of '60.8 ~ 95.0 °F' with a pencil icon and a slider with red ends and a blue center. The 'Humidity' section shows a range of '30.0 ~ 72.0 %' with a slider with red ends and a blue center. The 'Alert Interval' is currently 'Disabled' and has a timer icon and a toggle switch. Dashed blue lines connect these elements to explanatory text on the right.

**Alarm Strategy** Default >

You will be notified according to selected alarm strategy when device alerts

[View your alarm strategies](#)

**Temperature ( 60.8 ~ 95.0 °F )**

**Humidity ( 30.0 ~ 72.0 % )**

**Alert Interval ( Disabled )**

**Annotations:**

- Tap to view or select a strategy to be related to this device
- Tap to go to the Alarm Strategies screen
- Slide or tap the pencil icon to set up the temperature alert range  
Device will alert when the temperature reaches red area.
- Slide to set up the humidity alert range  
Device will alert when the humidity reaches red area.
- Tap to enable alert interval and slide to set up re-notification duration

# I App Functions: Chart Screen

## < Temp Humidity Sensor

Daily

Weekly

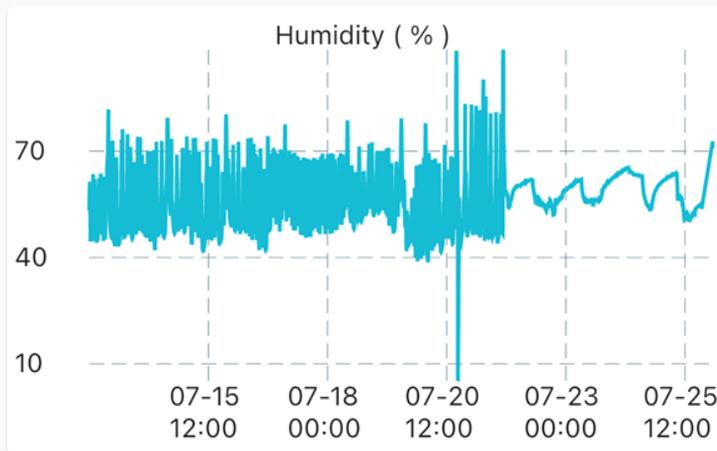
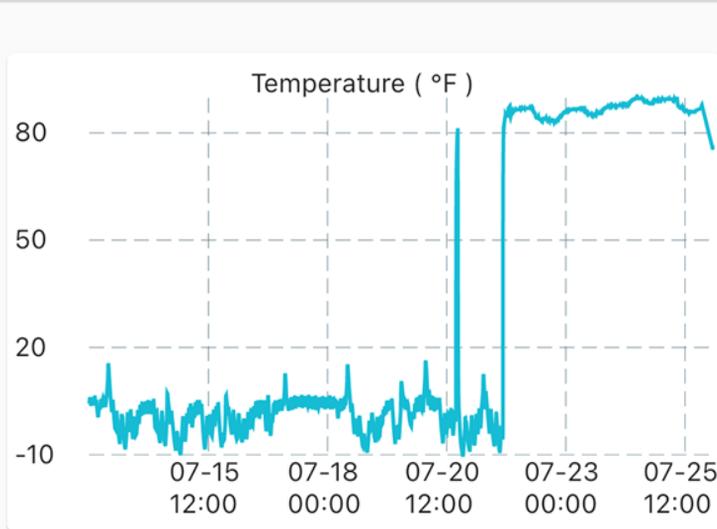
Monthly

Tap to select Daily, Weekly, Monthly data

7/13 12:00 AM ~ 7/26 11:59 PM



Tap to select time range



Export

Tap to export data

# I 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 header is teal with a back arrow, the title 'Alarm Strategy', and a help icon. Below the header, there are several sections: 'Name' (Always >), 'Related Devices' (1 >), 'Enable Device Alarm' (toggle on), 'Do Not Disturb' (toggle off), 'Send App Notification' (Admin >), 'Notification Settings (iOS only)' (Notification Settings ...), 'Send Email' (None >), 'Send SMS' (None >), and 'Trigger Action' (None >). A teal 'Save' button is at the bottom. Callouts on the right explain each section: 'Strategy Name' (Tap to edit the name), 'Related Devices' (Tap to add more devices...), 'Tap to enable or disable the strategy' (points to the 'Enable Device Alarm' toggle), 'Tap to set up DND (Do Not Disturb)' (points to the 'Do Not Disturb' toggle), 'Send App Notification' (Tap to select Admin to enable App push...), 'Notification Settings (iOS only)' (Tap to change notification tone...), 'Send Email' (Tap to select Admin to enable email notification...), 'Send SMS' (Tap to select Admin to enable limited text message...), and 'Trigger Action' (Tap to choose trigger actions...).

**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)**

**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 message (Only Admin can receive SMS)

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

# I App Functions: Automation

The X3 Temperature & Humidity Sensor can be set up as a condition in automation. For example, you can automatically turn on a fan if the sensor detects a high temp. 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 or humidity.

 **Automation** 

**Name**  
High temp turn on fan 21/64

**When**

 Temp Humidity Sensor      High temperature alert

**Then**

Behavior   

 Fan  
Turn ON

**Working Time**

Always Working 

**Delete**

## J Third-party Assistants & Integrations

The YoLink X3 Temperature & Humidity Sensor 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, only IFTTT supports X3 Temperature & Humidity Sensor as trigger action in the routine.

Alexa only supports querying the temperature of the device, Google only supports querying the temperature or humidity of the devices.

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

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

If you want to hear the voice announcement from Alexa when the sensor alerts, you can consider VoiceMonkey skill.

1. Go to Alexa, enable the Voice Monkey Skill in Alexa
2. Sign in to the Voice Monkey website:  
<https://app.voicemonkey.io/login> - login with Amazon Alexa account
3. On Voice Monkey website, on Manage Monkeys Page, add a monkey, name it as "Sunroom Monkey"
4. Go to IFTTT app, create an applet, if this - YoLink - THS - complete trigger fields, then that - Alexa Voice Monkey - choose Trigger Monkey(Routine) - select "Sunroom Monkey"
4. Go to Alexa to set up a routine, when this happens - choose smart home - choose "Sunroom Monkey", add action...

## K Firmware Updates

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. The LED light will slowly blink green during the update and the update may continue for several minutes beyond the light turning off

## L Factory Reset

Factory reset will erase device settings and restore it to factory defaults.

Instructions:

Hold the SET button down for 20-25 seconds until the LED blinks red and green alternatively, then, release the button, as holding the button longer than 25 seconds will **abort** the factory reset operation.

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



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

Voltage	3V DC (Lithium AA Non-Rechargeable x 2)
Device Current Draw	≤140mA (operating) ≤150uA (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	2.70 x 2.70 x 0.94 inches (68.5 x 68.5 x 24 millimeters, L x W x D)
Environment	Working Temperature: -22°F - 140°F (-30°C – 60°C) Working Humidity: ≤95% (non-condensing)
Temperature Error (Typical)	-22°F – 14°F, ±0.9°F (-30°C – 10°C, ±0.5°C) 14°F – 32°F, ±0.54°F (-10°C – 0°C, ±0.3°C) 32°F – 140°F, ±0.36°F (0°C – 60°C, ±0.2°C)
Temperature Error (Maximum)	-22°F – 14°F, ±1.44°F (-30°C – 10°C, ±0.8°C) 14°F – 32°F, ±0.9°F (-10°C – 0°C, ±0.5°C) 32°F – 140°F, ±0.72°F (0°C – 60°C, ±0.4°C)
Humidity Error (Typical, @77°F (@25°C))	0%–10%/90%–100%, ±3% 10%–100%, ±2%
Humidity Error (Maximum, @77°F (@25°C))	0%–10%/90%–100%, ±5% 10%–100%, ±3.5%

## N Warnings

Please install, operate and maintain the X3 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, lithium 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

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

Refer to Specifications (page 19) for the device environmental limitations.

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



## 2-Year Limited Electrical Warranty

YoSmart warrants to the original user of this product that it will be free from defects in materials and workmanship, under normal use, for 2 years from the date of purchase. User must provide a copy of original purchase receipt.

This warranty does not cover abuse or misused products or products used in commercial applications. This warranty does not apply to YoLink 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 YoLink 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. Please contact us, to implement this warranty (see Customer Support, below, for contact information)

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.
  - 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:	RESPONSIBLE PARTY:	TELEPHONE:
YOLINK X3 TEMPERATURE & HUMIDITY SENSOR	YOSMART, INC.	(949) 825-5958

MODEL NUMBER:	ADDRESS:	EMAIL:
YS8006-UC	15375 BARRANCA PKWY SUITE J-107, IRVINE, CA 92618 USA	SERVICE@YOSMART.COM



## Contact Us / Customer Support

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

Please email us 24/7 at [service@yosmart.com](mailto:service@yosmart.com)

You can use our online chat service by visiting our website, [www.yosmart.com](http://www.yosmart.com) or by scanning the QR code

You can also find additional support and ways to contact us at: [www.yosmart.com/support-and-service](http://www.yosmart.com/support-and-service) or scanning the QR code below



Support & Service

Finally, if you have any feedback or suggestions for us, please email us at [feedback@yosmart.com](mailto:feedback@yosmart.com)

Thank you for trusting YoLink!

**Eric Vanzo**

Customer Experience Manager

# YOLINK

15375 Barranca Parkway, Ste J-107 | Irvine, California USA