home8alarm

Wi-Fi 3-IN-1 Trio Sensor

(WTS3100)

User Manual

Table of Contents

Chapter 1. Introduction

A multifunctional device that offers elaborate security and ambient sensing options. It can be used to detect intruders or to measure a room's ambient temperature. It will alert the system when a door or window is opened, when motion is detected or when temperature reaches a preset temperature threshold. The temperature feature helps prevent pipes from freezing and bursting from the low temperatures. The temperature sensor also can be used to automatically trigger other devices when activated. Equipping the Trio Sensor with the IP-camera can assist the owner and authorized video users to monitor and verify through real-time video for utmost peace of mind. The service can be easily added into the Home8 system in minutes.

KEY FEATURES

- Self-Configuring and easy installation
- Door/window open/close detection
- Motion detection
- Temperature detection & Temperature change detection
- If equipped with embedded IPCAM, one can get an interactive video for verification
- Video-verified collaborative alert to multiple tier group of users/mobiles with supervisory video access control
- Direct local 1st responder calling for a prioritized response
- Systems are easily scalable and upgradable to "video-verified" alarm for utmost peace of mind

SPECIFICATIONS

- Wi-Fi Security: IEEE 802.11 b/n/g with WAP/WAP2 PSK
- Wi-Fi Range: 300 feet (90m) line of sight
- Operating Temperature: 14°F to 140°F (-10°C to 60°C)
- Temperature Limits Alert: Over 135°F+/-5°F (57°C+/-3°C)
- 1/2-inch standard gap distance allowed between sensor and magnet
- Motion Detection Range: 1ft to 42ft (0.3m~13m)
- Motion Detection angle: 90°
- Tamper Alarm: Tamper Switch
- Low battery status alarm
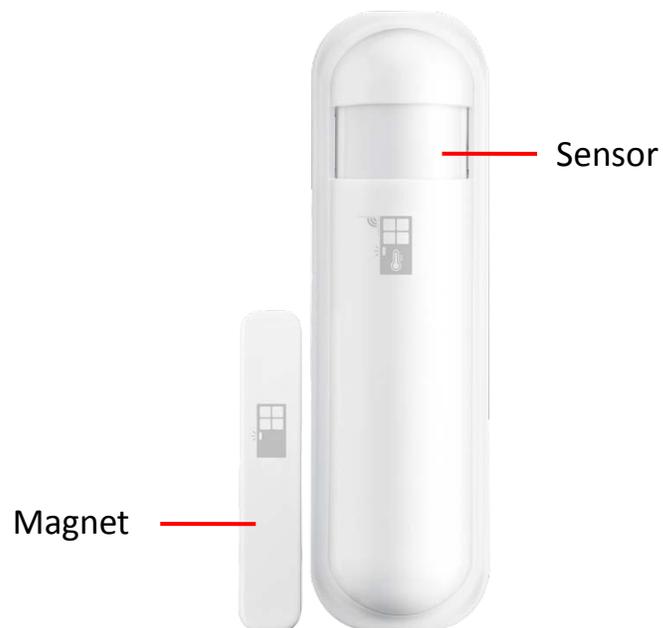- Battery: CR123A

1.1 System Requirements

This section explains the system requirements when using the device.

Network	Router with - 10/100Mbps RJ45 LAN port - DHCP service
Mobile Device	Apple iPhone, iPad, or Android device with: - iOS 8.0 or later - Android 4.0.3 and up

* See Appendix – Glossary of Terms.

Chapter 2. Hardware Overview

This section provides an overview of the Device.

Sensor

Magnet

Chapter 3. Device Setup

3.1 Power On the Device

Pull and remove the black plastic strip in the back of the device to initiate battery contact. The LED will flash red for a second.

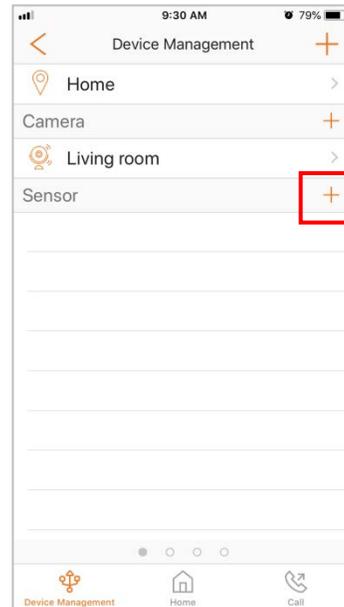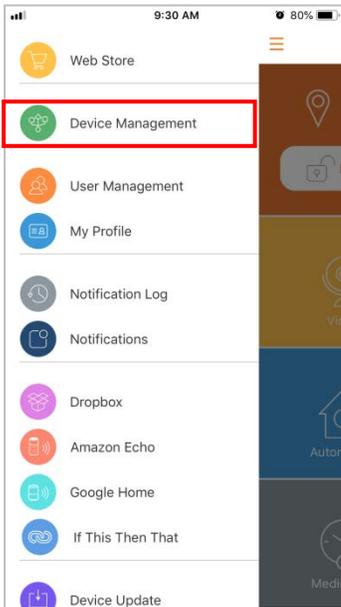## 3.2 Adding the Device to the System

Before you begin using the device, it will need to be added to the system first. To activate the device, complete the following steps.

Note: Make sure the Security Shuttle/Hub is powered on and connected to your router.
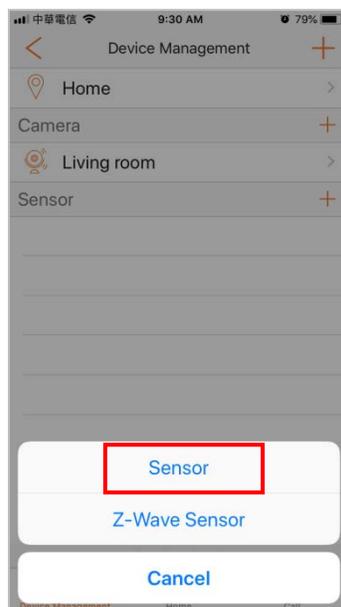
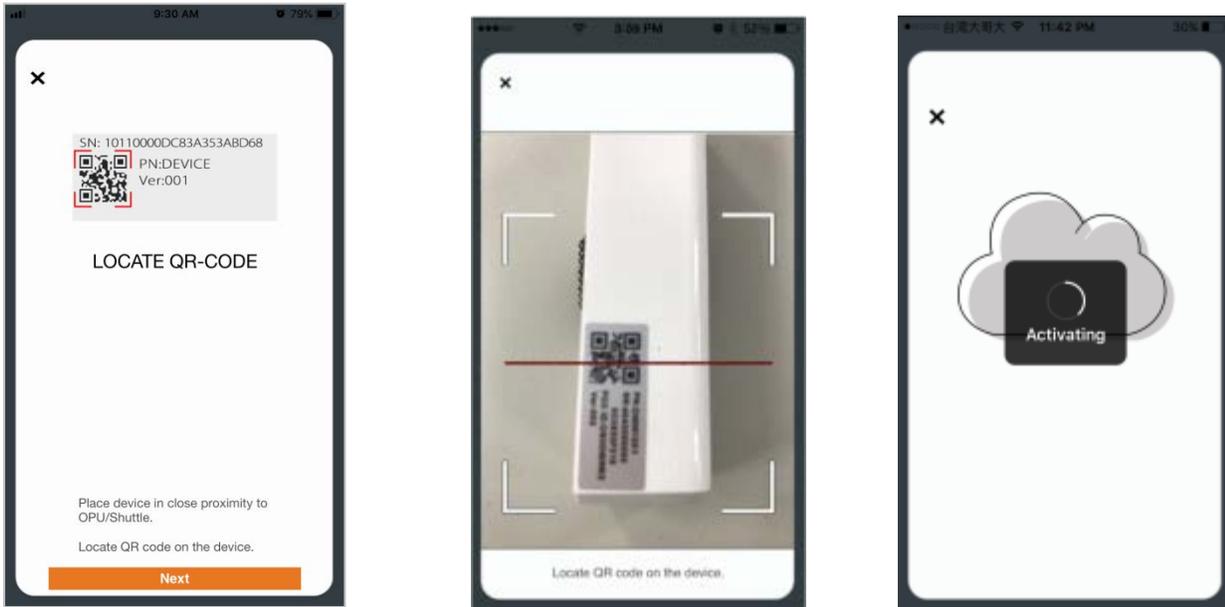1. Tap the menu icon ≡ to show the sidebar menu.

2. Tap "Device Management". If you have more than one Security Shuttle/Hub, you may need to swipe left more than once to find the one you wish the sensor to connect to. After selecting the Security Shuttle/Hub, tap the plus icon "+" located to the right of "Sensor".
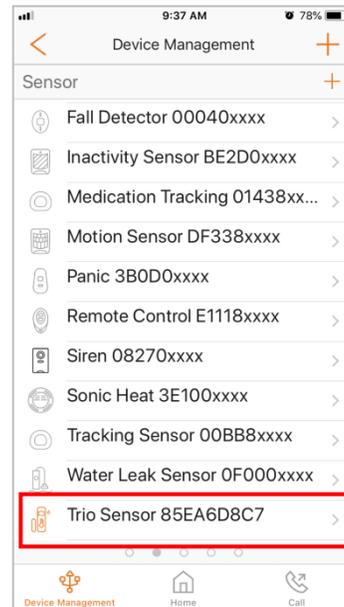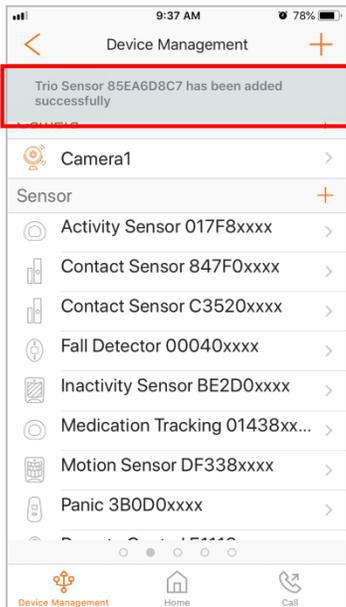

3. Select "Sensor".

4. Follow the on-screen instructions to scan the QR code located on the device, the "sensor adding" process will begin.

If your device isn't communicating with the Security Shuttle, your app may ask you to reset your device.
Go to Chapter 4. section 4.5 Reset for instruction.

5. When the activation is completed, the device will be added to the device management page. In the illustration shown below, the name of the sensor is "Trio Sensor 85Exxxxxx".

3.3   Testing and Installing the Device

After the "sensor adding" process has been completed, to make sure the connection of the device is working, take your device to the room you want to use it in. Test the device by pressing the tamper switch for 5 seconds and then release it. If you get a notification that says your device has been tampered with, it's within range.

Now you can mount the device with the included double-sided tapes.

To ensure proper contact, the distance between the sensor and magnet should be within 1/4 inch.

- Please ensure the tops of the two pieces line up and be mounted in a vertical/upright position.
- The recommended mounting height is 6.6 ft (2M).
- Don't let the device face a window or sunlight.
- Don't let the device face a source of heat. For example: a heater.

Chapter 4. Starting to Use the Device

At this stage, your sensor is now ready for use.

4.1   Edit Sensor

Go to "Device management", and select the sensor you want to edit.

1. **Rename Sensor**

   Tap "Display Name" to rename the sensor.
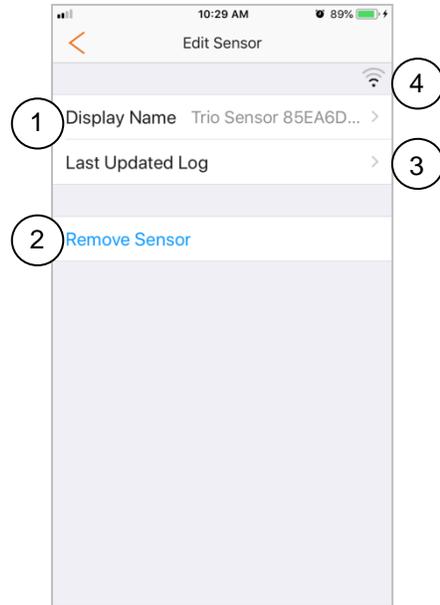
2. **Remove Sensor**

   To remove the sensor from the current Security Shuttle, tap "Remove Sensor".

3. **Last Updated Log**

   Check the communication history between Security Shuttle and Sensor.

4. **Wi-Fi Signal strength**

   See the signal strength of wireless communication between Security Shuttle and Sensor.
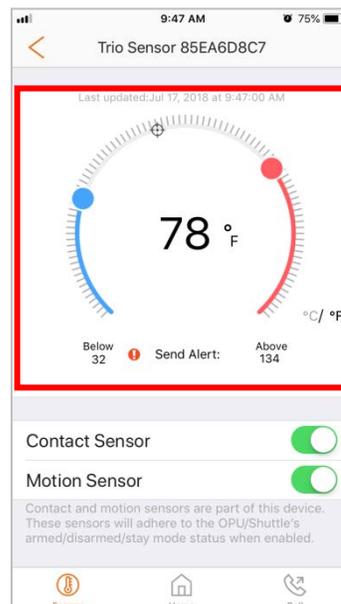
4.2   Contact, Motion and Temperature Setting
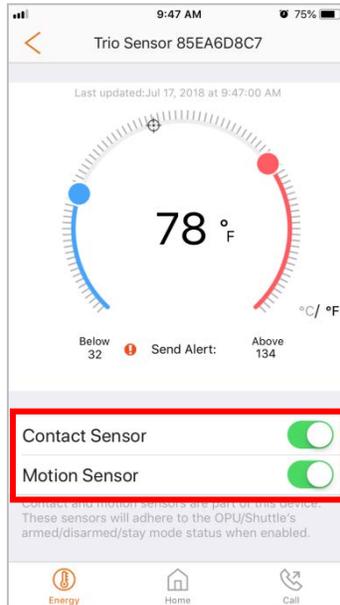
Go to the "**Energy**" tile to set up the device.

Temperature Setting

The number shown is the current ambient temperature. The number will update while there is a change in temperature. You can move the temperature bar freely to set the Below/Above threshold of when to send the notification alert.

Contact & Motion Setting

Here you can enable/disable the function of contact and motion sensor by turning on/off the button next to the feature.

4.3   Notification

When the door/window state has changed, motion has been detected or temperature has reached the threshold, a notification will be sent to all authorized users.
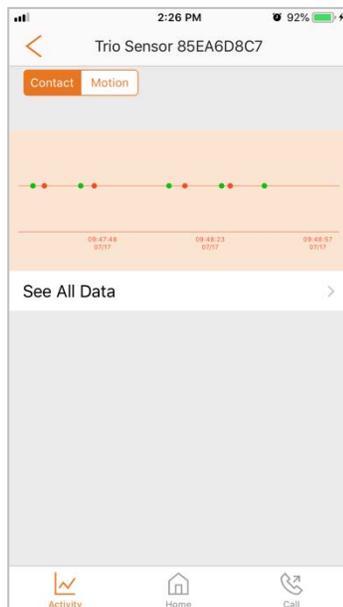
4.4   Activity Log

You can check the contact & motion activity log from the app.
Go to the "**Activity**" tile and select the sensor.

Contact

Different colors are used to show the status of the door/window. Detailed information can be seen in "See All Data".

Motion

Shows the result of motion detected with 15-minute intervals in a scatter chart. Detailed information can be seen in "See All Data".

4.5   Reset

If your device isn't communicating with the Security Shuttle, your app may ask you to reset your device.

• Press the tamper switch four times within 1.5 seconds and during the 4th press, hold the tamper switch until the LED lights up. After 3 seconds the LED will turn OFF, and after the next 2 seconds, release the tamper switch. If the reset was successful, the LED will light on for 1 second. Otherwise, the LED will flash once.

• Return to the app and follow the onscreen instructions.

4.6   Change Battery

When the device reports the low battery message you should replace the battery with a new one. The battery type is CR123A, 3.0V.

Appendix – Glossary of Terms

Arm: The cameras and other security related sensors in the system are actively monitoring the surroundings. Any suspicious activity that has been detected by the camera or sensor will prompt the app to immediately send a notification. A recording will also be performed by the camera(s) that witnessed the event.

Disarm: The cameras and other security related sensors in the system are no longer actively monitoring the surroundings. The system will not react to any suspicious activity detected by these devices. No notification will be sent.

Event: An event is created when any camera or sensor detects an activity, or is manually triggered by the user.

Security Shuttle: Functions as a secure and intelligent hub to manage the devices and communicate with the cloud server. Currently, there are three types – **OPU1120**, **OPU2120**, and **OPU3120**.