Ultra·Aire SENTRY™

USER GUIDE

The Ultra-Aire Sentry is a monitoring system that gives you real-time data about water, humidity and temperature in any interior locations where indoor air quality problems are suspected or where conditions need to be closely monitored in order to protect the space and the occupants.

	AT&T	4:33 PM	90%
≡		Home	⊕
✔	Water Alerts		0
✔	Mold Warning		0
✔	Temperature Watch		0
✔	Humidity Watch		0
✔	Connection Alerts		0
✘	Sites OK		0

Monitor

Water Sensor
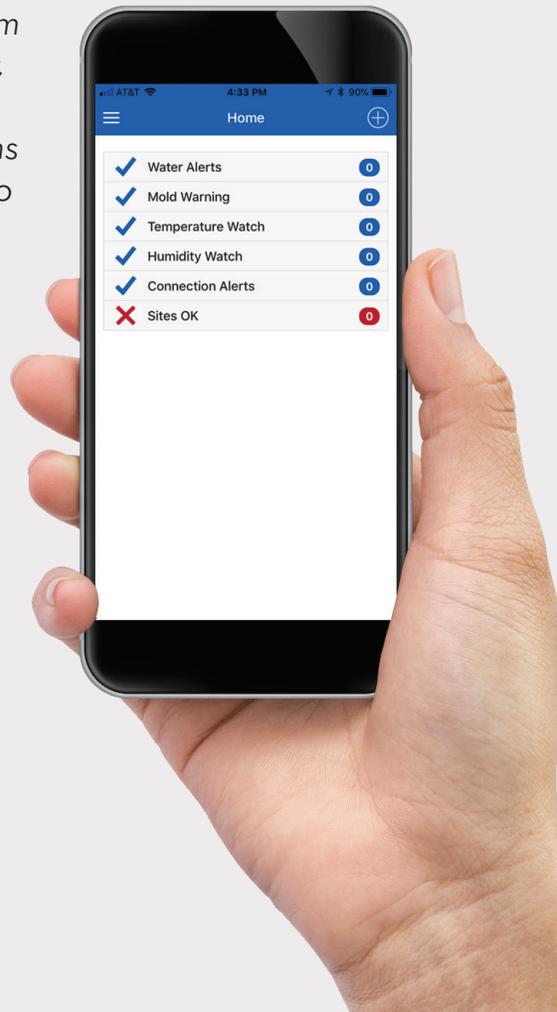
(800) 533-7533
www.Ultra-Aire.com/Sentry

Table of Contents

Therma-Stor is committed to manufacturing quality products. To maintain our standards, product specifications may change without notice.

✳ *Therma-Stor*® LLC

Specifications

Part Number:	4037220
Supply Voltage:	115 Volt - 1 Phase - 60 Hz
Current Draw:	0.250 Amps
Operating Temperature:	0 - 150°F, RH% accurate 32°F - 120°F
Power Cord:	6', 115V
Water Cable:	50', 2 Conductor 22 AWG
Connectivity:	Wi-Fi

Items Included

1. Ultra-Aire Sentry Monitor
2. Ultra-Aire Sentry Water Sensor
3. Power Cord (6 ft.)
4. Water Sensor Cable (50 ft.)
5. Hanging Screw

Tools Required

- Phillips Screwdriver
- Smart Phone (iPhone or Android Phone)
- Homeowner's Wi-Fi Password

Location Considerations

Locate the Ultra-Aire Sentry in a central part of the space where indoor air quality problems are suspected or that conditions need to be closely monitored in order to protect the space and the occupants. Verify Wi-Fi connection by plugging in the Ultra-Aire Sentry Monitor to an outlet. Wi-Fi verification may take a couple of minutes. A slow blinking turquoise light will indicate Wi-Fi is connected.

Once you have verified Wi-Fi connection, hang the monitor vertically on the wall, floor joist or attic rafter using the hanging screw provided.

Plug one end of the cable into the Water Sensor and the other end of the cable into the Monitor. Place the Ultra-Aire Sentry Water Sensor (plug up) in area where sensing water is most critical. This typically would be in the secondary drain pain, under a condensate line or in the lowest point of the crawl space.
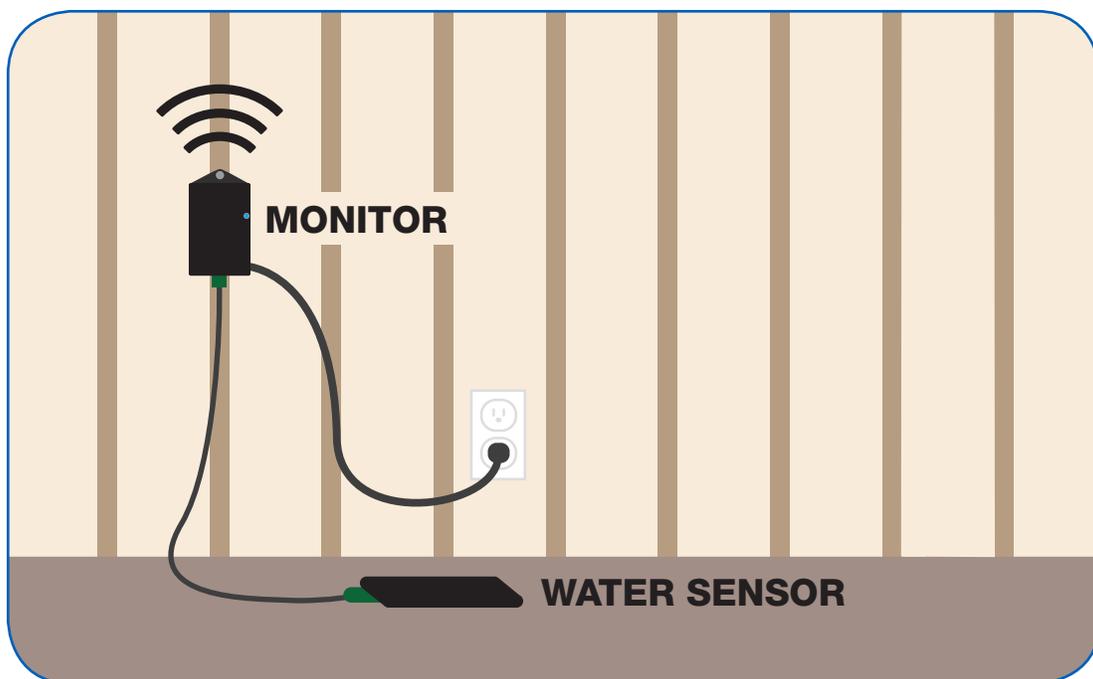
Installation

Step 1.

Download the Ultra-Aire Sentry app from www.Ultra-Aire.com/Sentry or

Step 2.

Launch the Ultra-Aire Sentry app and select **Sign Up**.
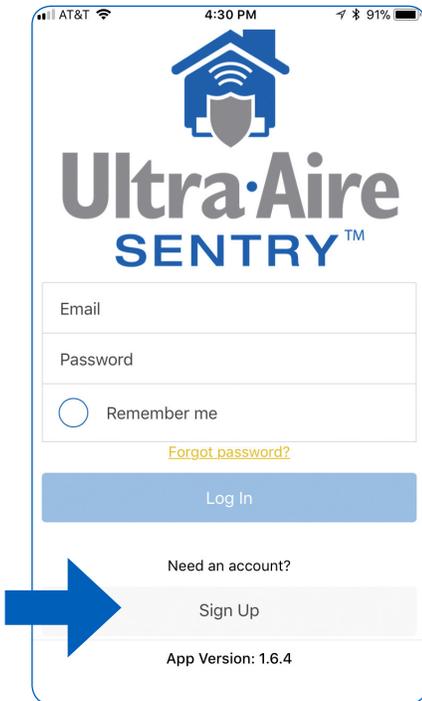
Step 3.

Enter account details and notification preferences, then select **Create Account**.
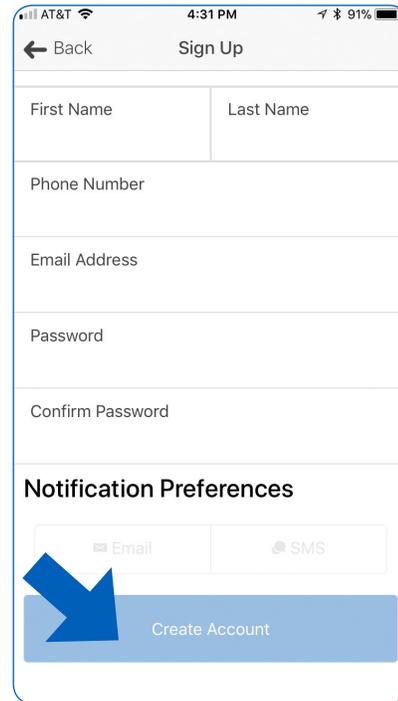
Step 4.

Launch the Ultra-Aire Sentry app and log in using your email address and password that was used to create your account (from Step 2).

Forgot your password? Click the "Forgot Password" link and an email will be sent to you with a temporary password and reset instructions.

Select **LOG IN** to access your Ultra-Aire Sentry account. You will be automatically routed to Home View. On your initial login, the dashboard will be blank as no Sentry monitors will have been added to your account.
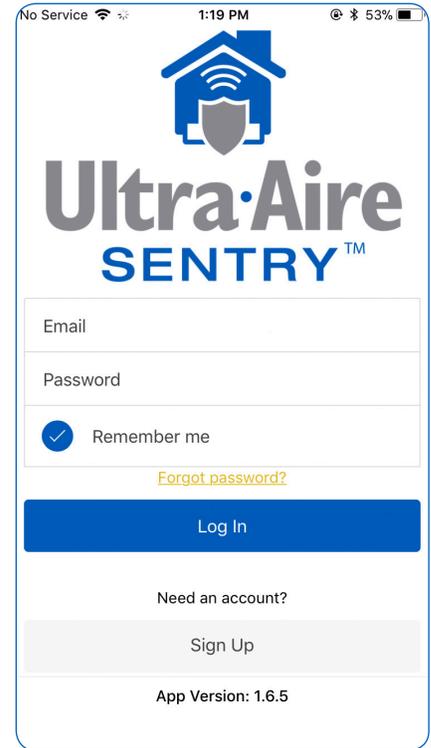
Step 5.

To add a Sentry site to your account, select either the **+** sign in the top right corner or **ADD SITE** from the drop-down menu in the upper left corner of the dashboard.
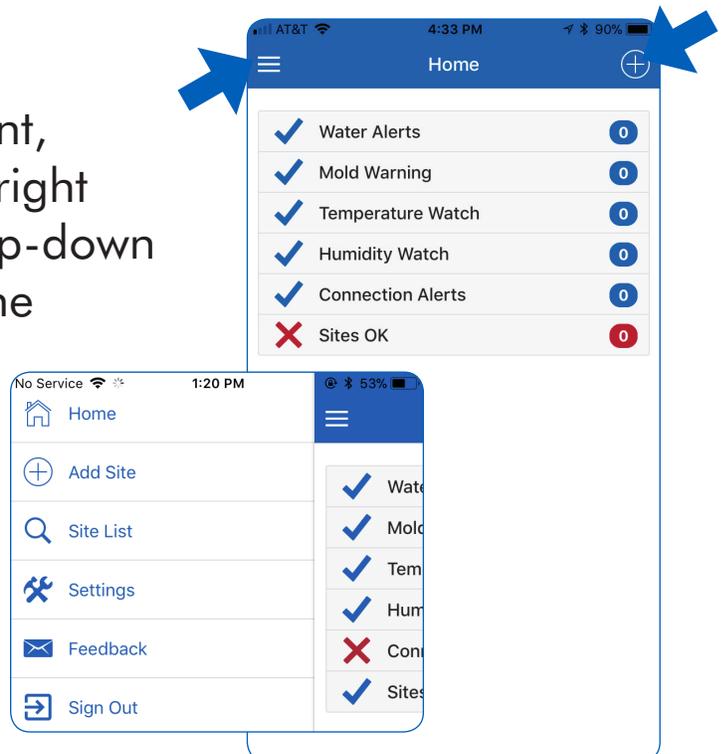
Step 6.

Follow the steps in the app. First unplug and re-plug in your Sentry. **Press continue.**

If the Sentry is blinking blue, press **Proceed** and go to Step 8. Otherwise, press **Wait** and go to Step 7.
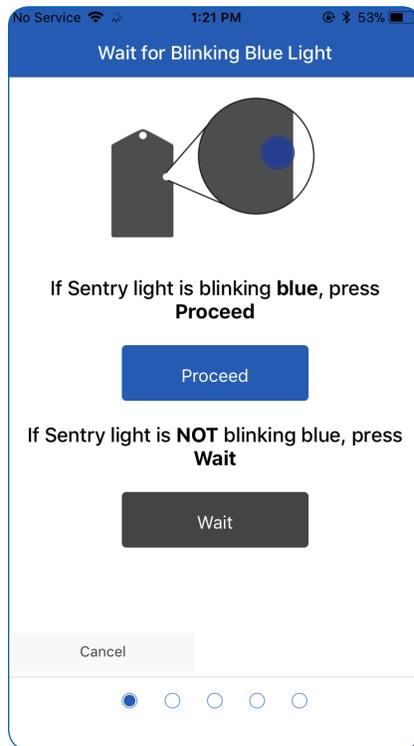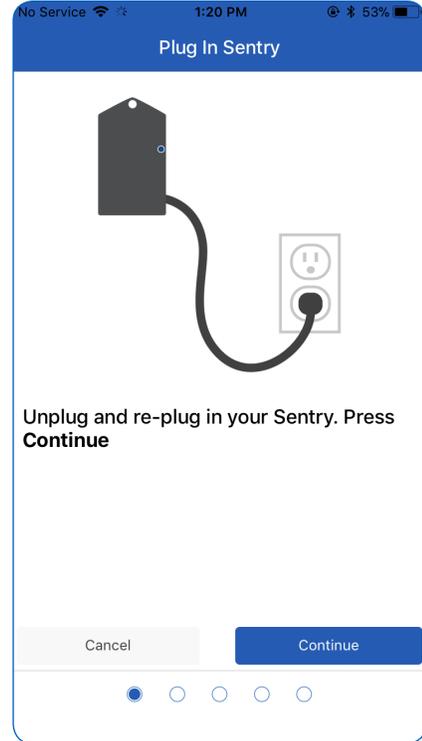
Installation

Step 7.

Once the Sentry LED is blinking blue, press **Proceed**.
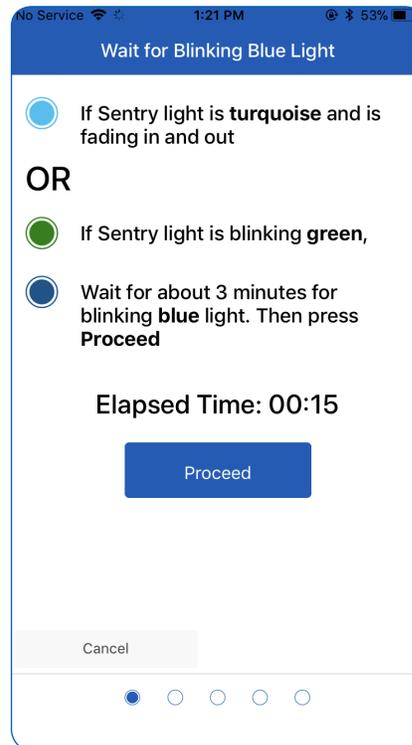
Step 8.

Click on the **Settings** button to go to the phone's WiFi settings. Connect to the **Photon-** network.

Once the phone connects to the Sentry, a check mark will appear.

Navigate back to the Sentry app.

The Continue button will be highlighted dark blue. **Press Continue**.
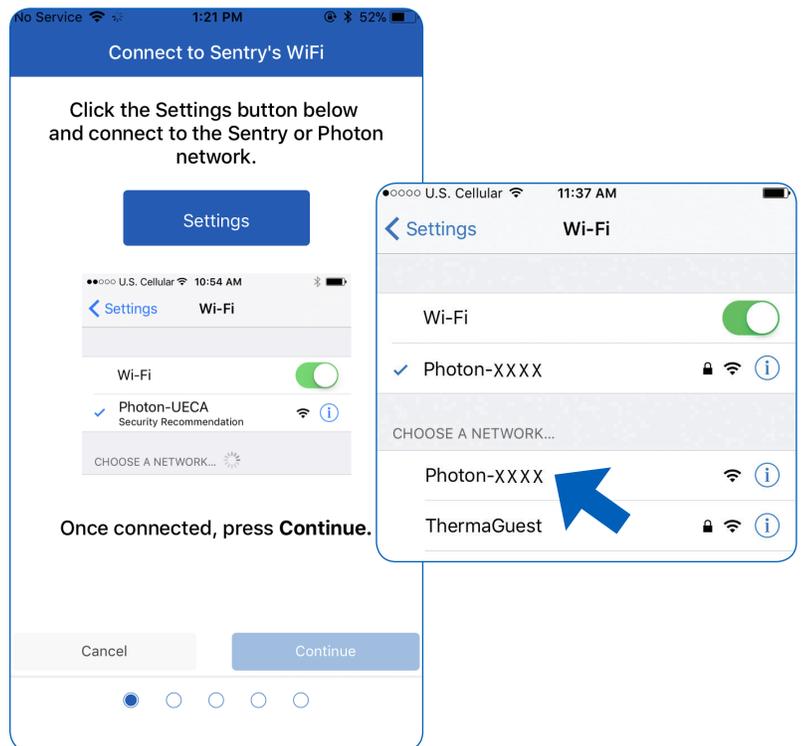
Installation

Step 9.

Select the network you wish to connect to. If the network you want doesn't show up here, the network could be out of range, hidden, or 5GHz. Enter network password if required. Press **CONTINUE** to connect.

Note 1:

The Ultra-Aire Sentry requires a 2.4GHz WiFi network, check that your network and password are for your 2.4GHz network.

Note 2:

🔒 A tan lock to the right of the network indicates WEP router security. You will need to provide a Key number, an encryption type and the passcode required by the router.

❌ A red X to the right indicates an Enterprise network which is not supported by Sentry.
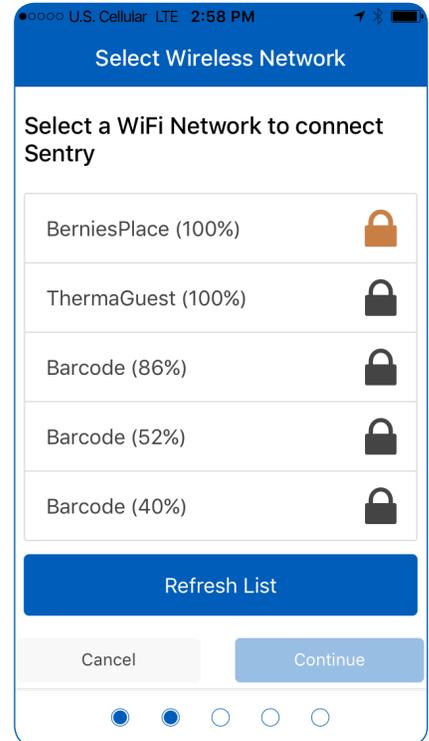
Installation

Step 10.

The Sentry will blink green rapidly as it receives the network credentials. The app will then wait for verification that the Sentry has connected to the cloud. This may take up to two minutes. When done 'Sentry connected successfully!' will be displayed. **Press CONTINUE**.
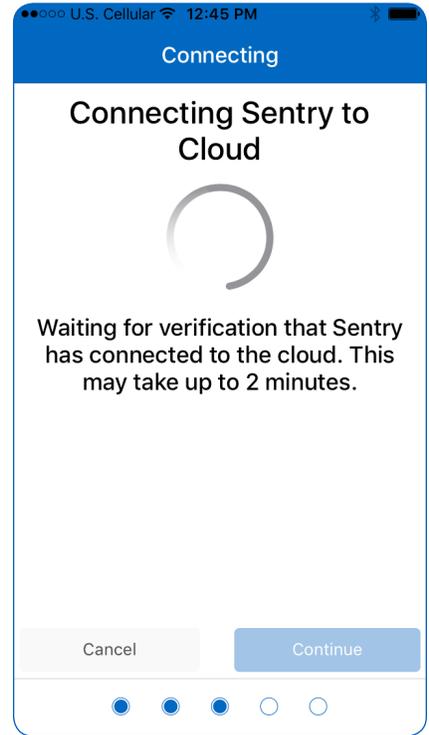
Step 11.

Add Site Info by filling in the required fields with site specific information. Click **CONTINUE** in the bottom right corner.
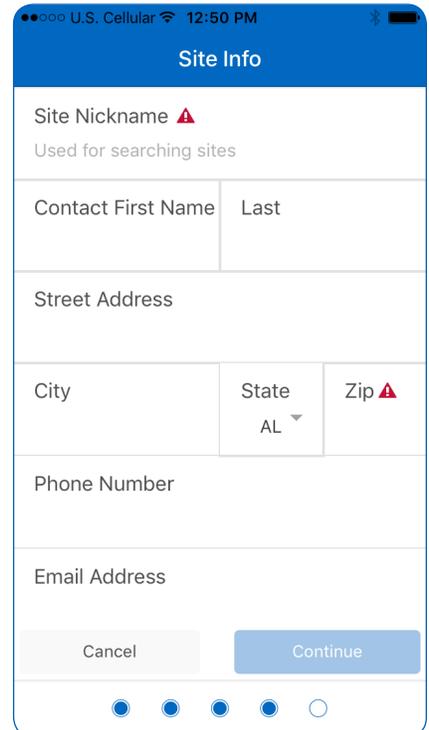
Step 12.

After saving information, you should see a screen telling you that you have been successful. You will also see the information you just entered. Press **CONTINUE** to return HOME.
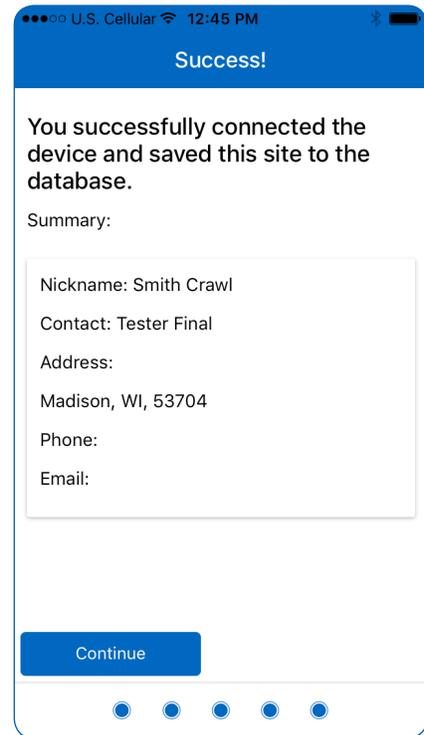
To Connect the Ultra-Aire Sentry to a New WiFi Network

Follow the instructions below if the router is changed or the router password is changed:

Cycle power (unplug and replug).

If the Ultra-Aire Sentry was configured previously, it will blink green for about 3 minutes as it tries to connect to the previous WiFi network. After three minutes, it will go into set-up mode and blink blue for 5 minutes.

Start at Step 1 of this guide and follow the procedure like your first time installation.

After Step 10, if the Sentry was previously registered, the Site Info will be displayed and you will be prompted to "Keep Info" or "Enter New Info".

Home View

Dashboard

The Home View dashboard provides a quick overview of all connected Ultra-Aire Sentry site activity. A blue √ is a quick identifier that everything is good. A red X indicates an issue.

Active Alert Sites

Sentry sites with active alerts will be displayed below the dashboard. The most recent alert will be listed first. Details will include the site name, type of alert, and time the alert was issued. Detailed site information can be reviewed by clicking on the site link.

For details on the conditions which lead to alerts go to the Alert Rules section on Page 19.
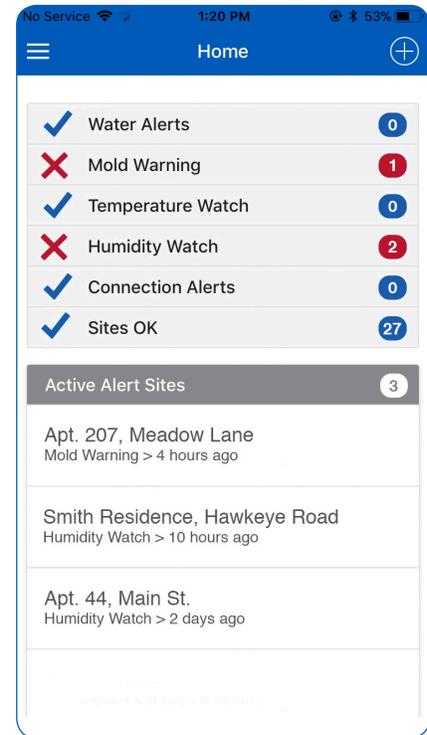
Menu Button

There is a Menu Button in the upper left corner, represented by three horizontal lines. This is a drop down that lists additional functionality (See Menu on Page 13).
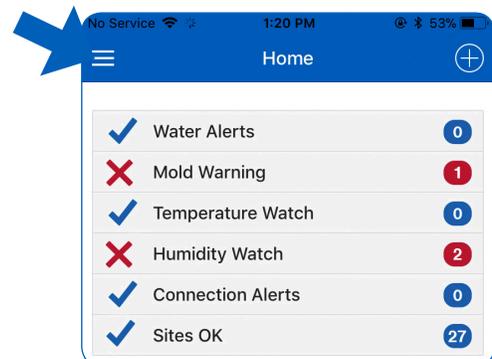
Menu

The Ultra-Aire Sentry Menu provides additional functionality.

Home
Home Quick return to Home View.
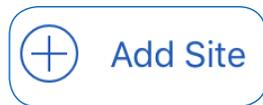
Add Site
Add Site The Ultra-Aire Sentry app allows for multiple Sentry sites to be added to your account.

Site List
Site List A complete list of all sites that are connected to your account are available in the Site List. Sites can be viewed in an alphabetical order by Site Name or by Current Alert. The sorting method selected will be highlighted orange.

You can search for a site by Site Name or by Current Alert type. Clicking on a site entry will display details about the selected site.

Settings
Settings Update or change your account details using the Settings feature. Company name, first name, last name, phone number, email address, password, and notification preferences can all be updated on this screen. To save changes, select the SAVE Button.

Feedback
Feedback Run into an issue or have a suggestion to improve the app or Sentry monitor? Submit feedback to Ultra-Aire directly from the app. Enter comments and SUBMIT. We appreciate your feedback!

Sign Out
Sign Out Sign out of the Ultra-Aire Sentry app using the Sign Out feature. You will be logged out of your account and returned to the log in screen.

Site View

Detailed Site Information

Detailed information is available for every site that is connected to your account. Select a specific site to view available data.

Primary Contact

To view the primary contact information, select the drop down menu arrow in the right corner of the account name box in the Site view. Name, address, phone, and email are shown in the primary contact view. Additionally, you have the ability to call, text, or email the account directly from the screen.

History

Historical data can be viewed by selecting the HISTORY button which will take you to the **History** view.
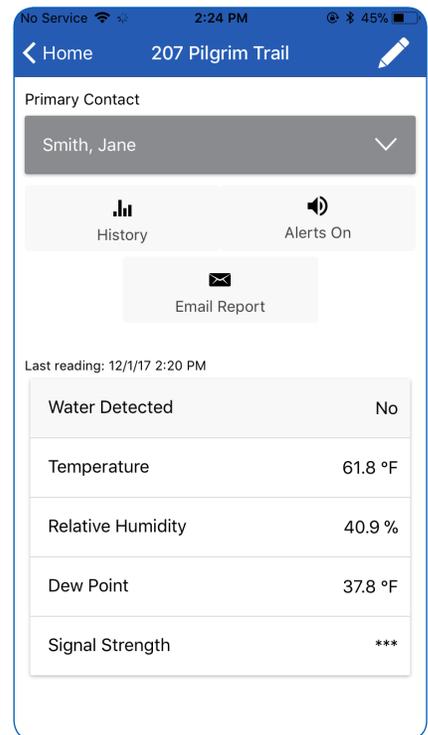
Site View

Alerts On

Every alert triggers a message sent to you. If needed, you can silence a site to stop all messages related to temperature and relative humidity from being sent. Water alerts cannot be silenced.

To silence a site, select the ALERTS ON button.

To unsilence a site, select the SILENCED button then select UNSILENCE. The new setting will automatically take effect.
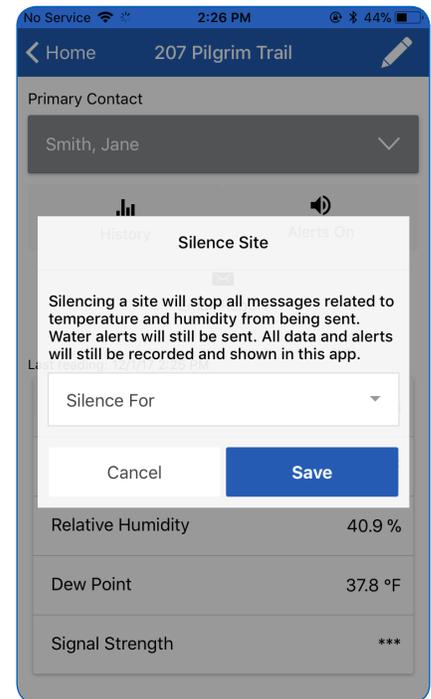
Alert!

The Alert! box notifies you of active alerts at the site. Selecting the alert will bring up the History view for that alert.

Last Reading

Current conditions can be viewed in the Last Reading area. Sentry measurements of Water Detection, Temperature, Relative Humidity, Dew Point and WiFi Signal Strength are updated every 5 minutes.

Selecting a specific condition will bring up the History view for that specific condition.

Swipe your finger down the Site view to automatically load an up-to-date reading from the Sentry.

History View

To view historical data on a site, select the HISTORY button.

The graph will automatically populate with temperature, relative humidity, dew point, and alert data. Outdoor conditions for each will also be included. The chart defaults to a display of relative humidity at the Sentry Monitor for the current 24 hour period.
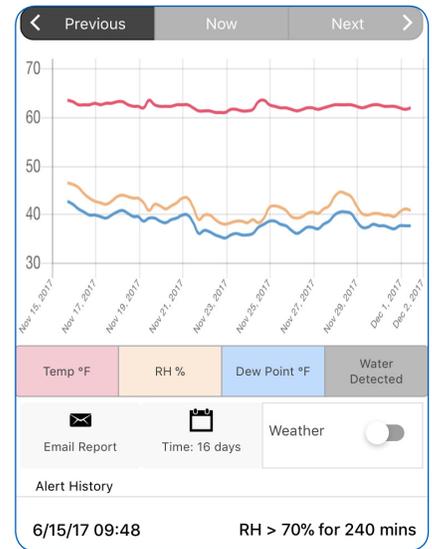
Temp °F:
Temperature at the Sentry Monitor

Light red line

RH %:
Relative humidity at the Sentry Monitor

Light yellow line

Dew Point °F:
Dew point at the Sentry Monitor

Light blue line

Water Detected:
Water detected at the Sentry Water Sensor

Open blue circle

Active Alert:
Alert, warning, or watch activated

Open red circle

Outside Temp °F:
Outdoor temperature

Dark red line

Outside RH %:
Outdoor relative humidity

Dark yellow line

Outside Dew Point °F:
Outdoor dew point

Dark blue line

Outdoor weather data is provided by OpenWeatherMap.

History View

Customizing Graphs

Graphs can be customized to best meet your specific needs. To add a data type, select the corresponding button. To remove a data type, deselect the corresponding button. The chart can also be customized for time by selecting one of four options. The selected timeframe will be visible on the screen. Weather data can be turned on or off depending on needs. Note that weather data will only be displayed for the inside conditions that are selected.
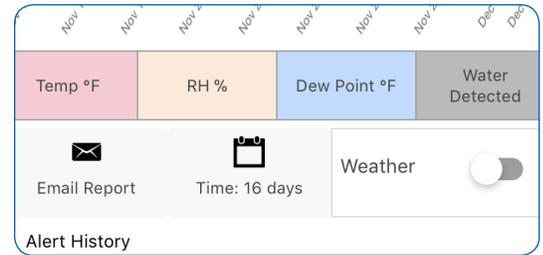
Temperature:
Temp °F button	Red when selected

Relative Humidity:
RH % button	Yellow when selected

Dew Point:
Dew Point °F button	Blue when selected

Water Detected:
Water Detected button	Gray when selected

Time:
Drop down menu	24 hrs., 3 days, 1 week, 1 month option

Weather:
Radio button	Blue when selected

History View

Detailed Graph Data

Select any point on the graph to view the exact conditions at that time period. Displayed data will correspond to the conditions that are selected.

Alert History

A running list of alerts for a site are shown in the Alert History section. Alerts are shown with the most recent first. Select the desired alert for a graph at that point in time.
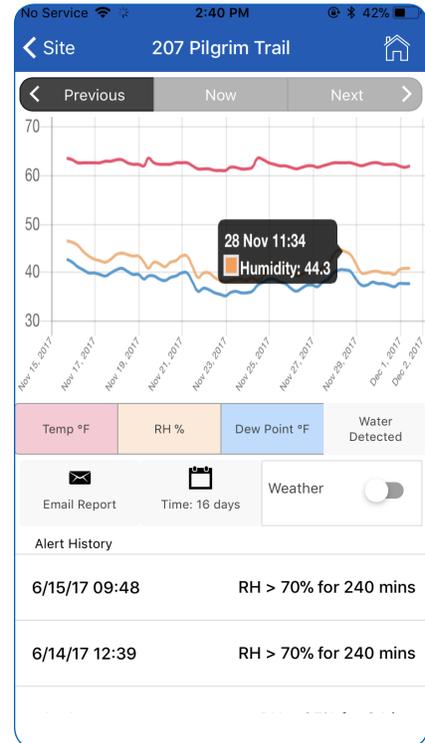
Alert Rules

Alerts are activated by the following conditions:	
Water Alerts:	Water is sensed for longer than 10 minutes
Mold Warning:	Relative Humidity exceeds 65% for more than 24 hours
Temperature Watch:	Temperature exceeds 90° F for more than 10 minutes OR Temperature under 40° F for more than 10 minutes
Humidity Watch:	Relative Humidity exceeds 65% for more than 12 hours OR Relative Humidity exceeds 70% for more than 10 minutes OR Relative Humidity under 20% for more than 10 minutes
Connections Alerts:	No wireless connection to the Sentry monitor detected for more than 8 hours
Sites OK:	Sites with no issues

Troubleshooting

For troubleshooting, view the Troubleshooting Guide at www.Ultra-Aire.com/Sentry.