

Lascar Data Logger EL-WiFi-TP+ (DTP+) User's Guide



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Lascar Data Logger EL-WiFi-TP+ Logger Units

- Single Probe Unit
- LCD Display
 - Temperature (Celsius or Fahrenheit programmable)
 - Wifi Strength indicator
 - Alarm indicator
 - Min/Max indicator
 - Battery strength indicator
- Scroll Button options
 - Push to scroll through temps (Quick press)
 - 1st = Max Temp, 2nd = Min Temp, 3rd = Wi-Fi Signal Strength (10 Excellent – 00 No signal)
 - (press and hold while on min or max screen to reset that item)
 - Press and hold 3-5 seconds to perform audit check (Min/Max and - - - - will flash on screen)
 - Press and hold 5-10 seconds to perform device reset (rst will flash on screen)
 - Press and hold 10-15 seconds to perform factory reset (Frst will flash on screen)
 - Factory reset should only be done if instructed to do so by RIDOH or Lascar



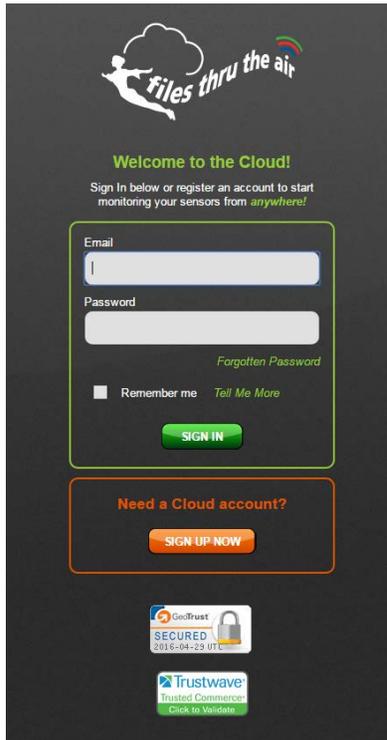
Lascar Data Logger EL-WiFi-DTP+ Logger Units

- Dual Probe Unit
- LCD Display
 - Temperature (Celsius or Fahrenheit programmable)
 - Top temperature is Probe 1 = Fridge
 - Bottom temperature is Probe 2 = Freezer
 - Wifi Strength indicator
 - Alarm indicator
 - Min/Max indicator
 - Battery strength indicator
- Scroll Button options
 - Push to scroll through temps (Quick press)
 - 1st = Max Temp, 2nd = Min Temp, 3rd = Wi-Fi Signal Strength (10 Excellent – 00 No signal)
 - (press and hold while on min or max screen to reset that item)
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Log in screen www.wifisensorcloud.com

You will be directed to a new Cloud Login screen where you will enter your email address and your password



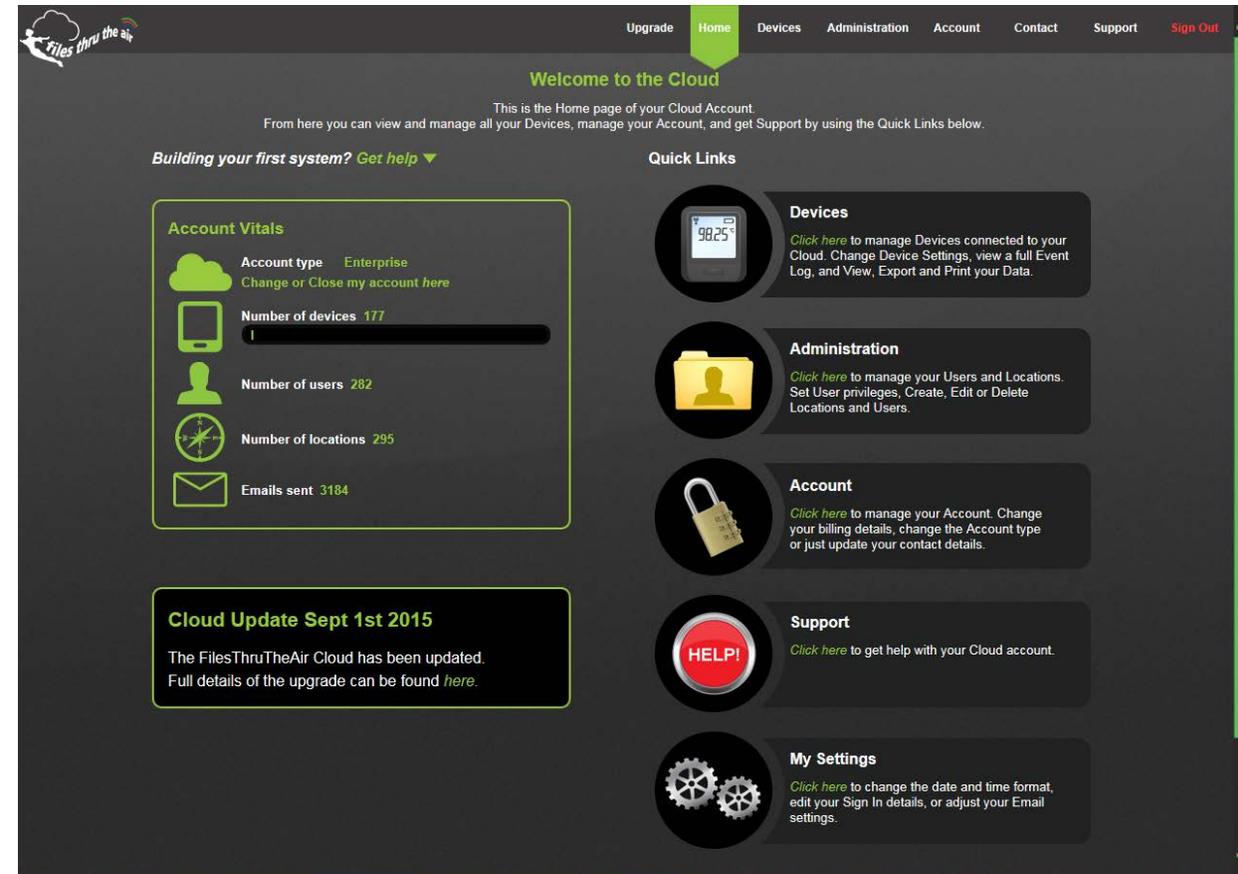
If your first attempt to log in does not work you will need to check your inbox for a validation email sent by FilesThruTheAir.com. Follow the prompts of the validation email to log in.

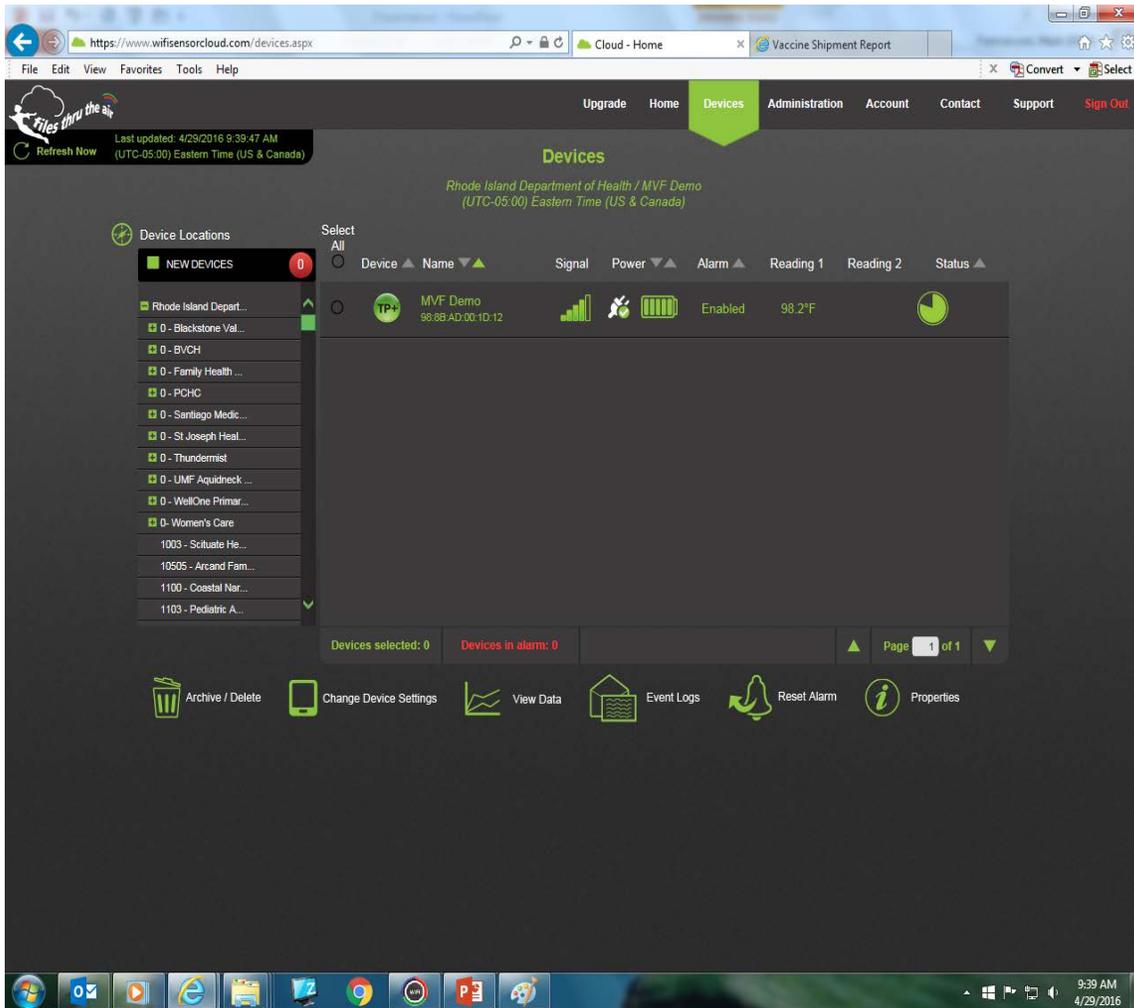
You may have to check your Junk or Clutter folders for the validation email.

Home Screen

This is the screen that you should arrive at once you log into the FilesThruTheAir.com Cloud account

From this screen you should select the **Devices** tab from the header row.





Devices Screen

On this screen you will see the devices that have been installed at your facility.

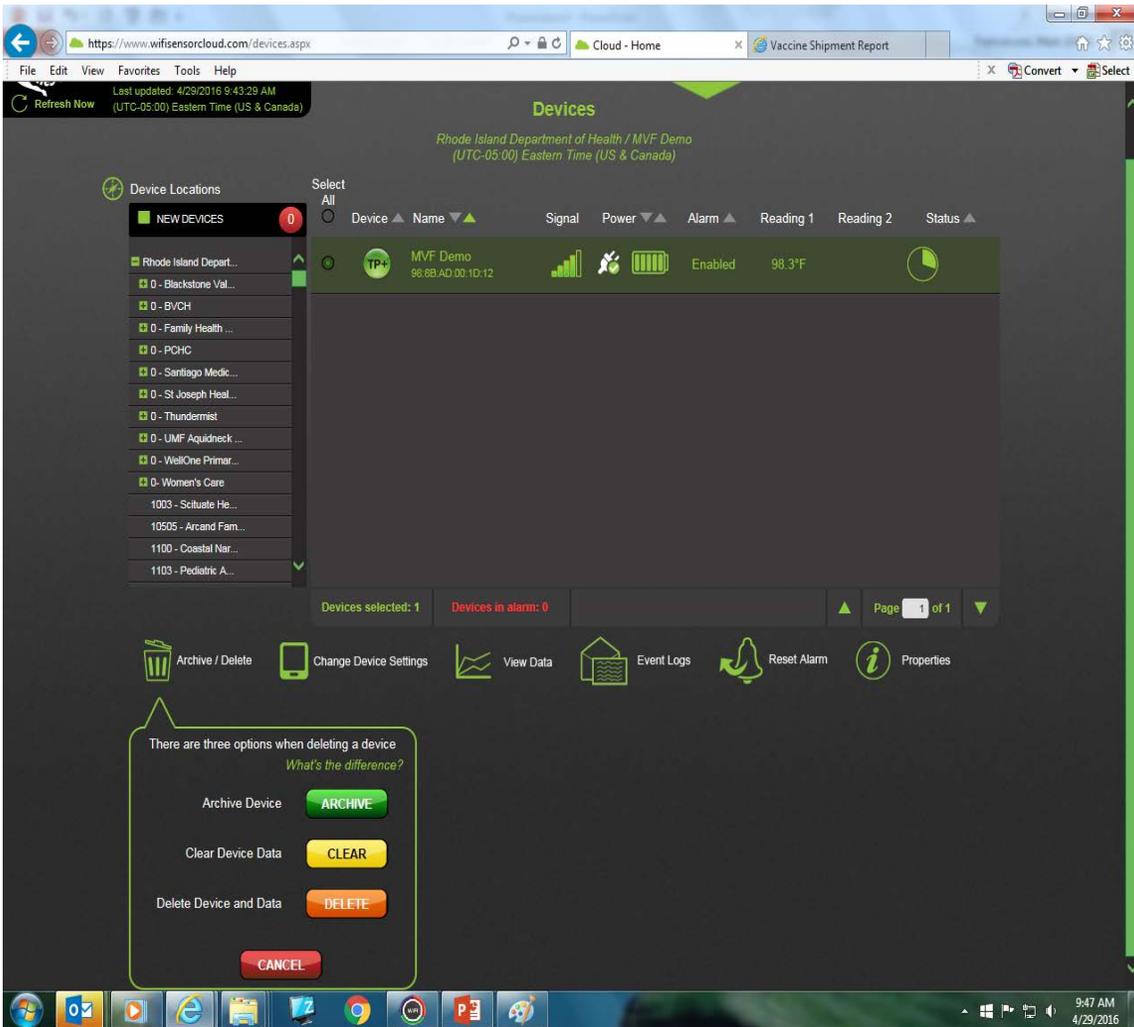
If you have multiple sites and have been given access to see all installed devices you will see multiple locations in the left navigation column. As shown on this slide.

From this screen you have multiple options:

- Archive/Delete
- Change Device Settings
- View Data
- Event Logs
- Reset Alarm
- Properties

Each of these options will be covered in individual screens through this presentation.

You must first click on the device you wish to work with before you can choose any of the options at the bottom of the screen. Only 1 device can be selected at a time.

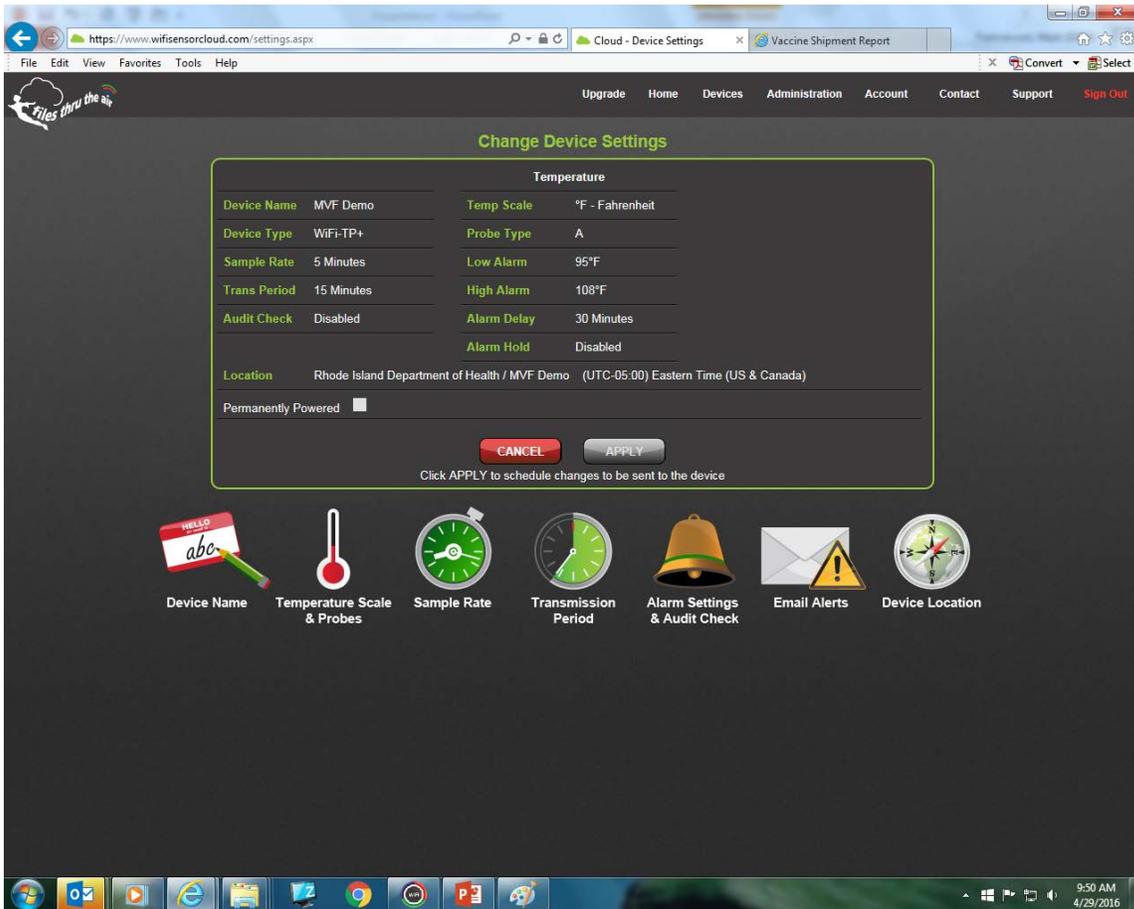


Archive / Delete

You should only click on this option should you have to replace your logger due to technical problems.

If you need to replace or Factory Reset the device you should first ARCHIVE the data on the logger so that you do not lose any previously recorder data.

Do Not CLEAR or DELETE the logger unless instructed by RIDOH or LASCAR to do so.



Change Device Settings

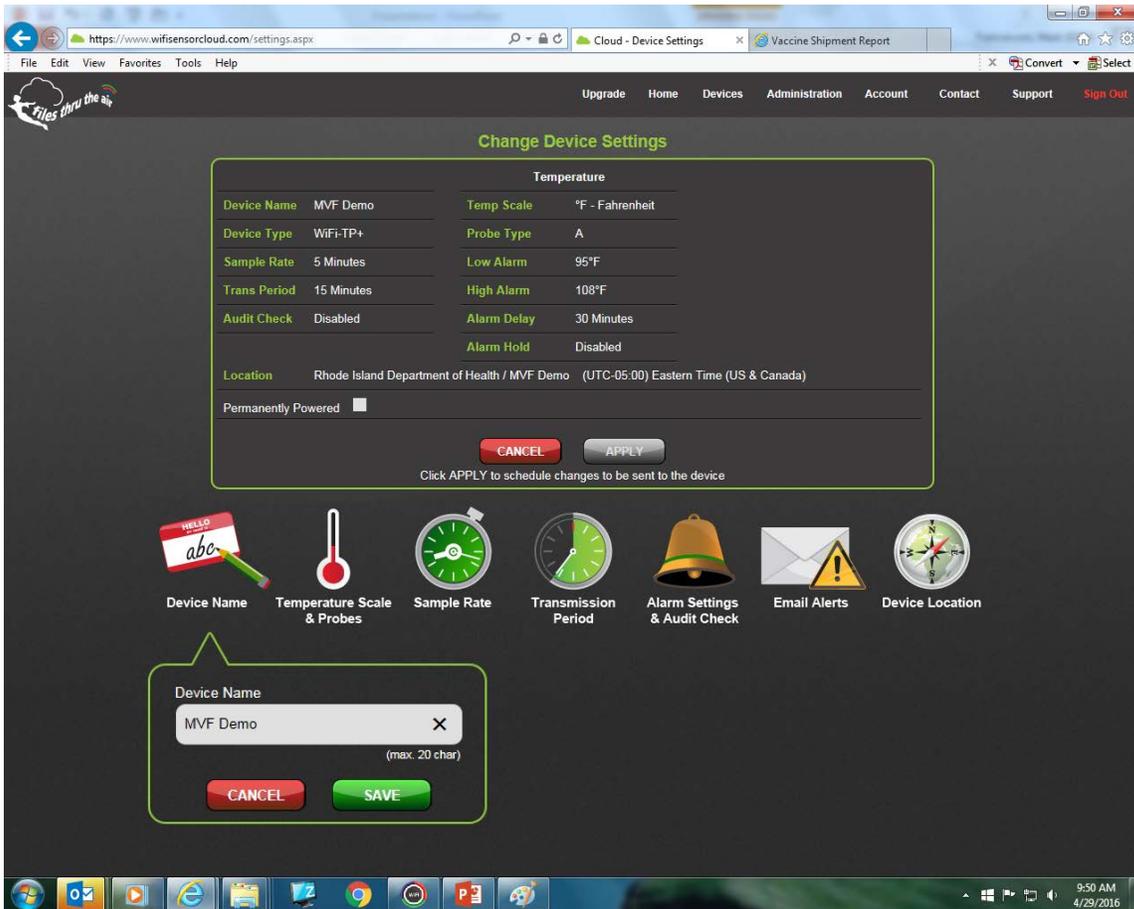
In the box at the top of this screen you will see all the current settings that have been programmed for the device you selected.

From this page you will be able to reset or change some of the key settings for the device:

- Device Name
- Temperature Scale and Probes
- Sample Rate
- Transmission Period
- Alarm Settings & Audit Check
- Email Alerts
- Device Location (To be used by RIDOH ONLY)

If you have made changes and the APPLY button in the top section is not active, please go to the Device Location and select the correct location and SAVE to activate the button.

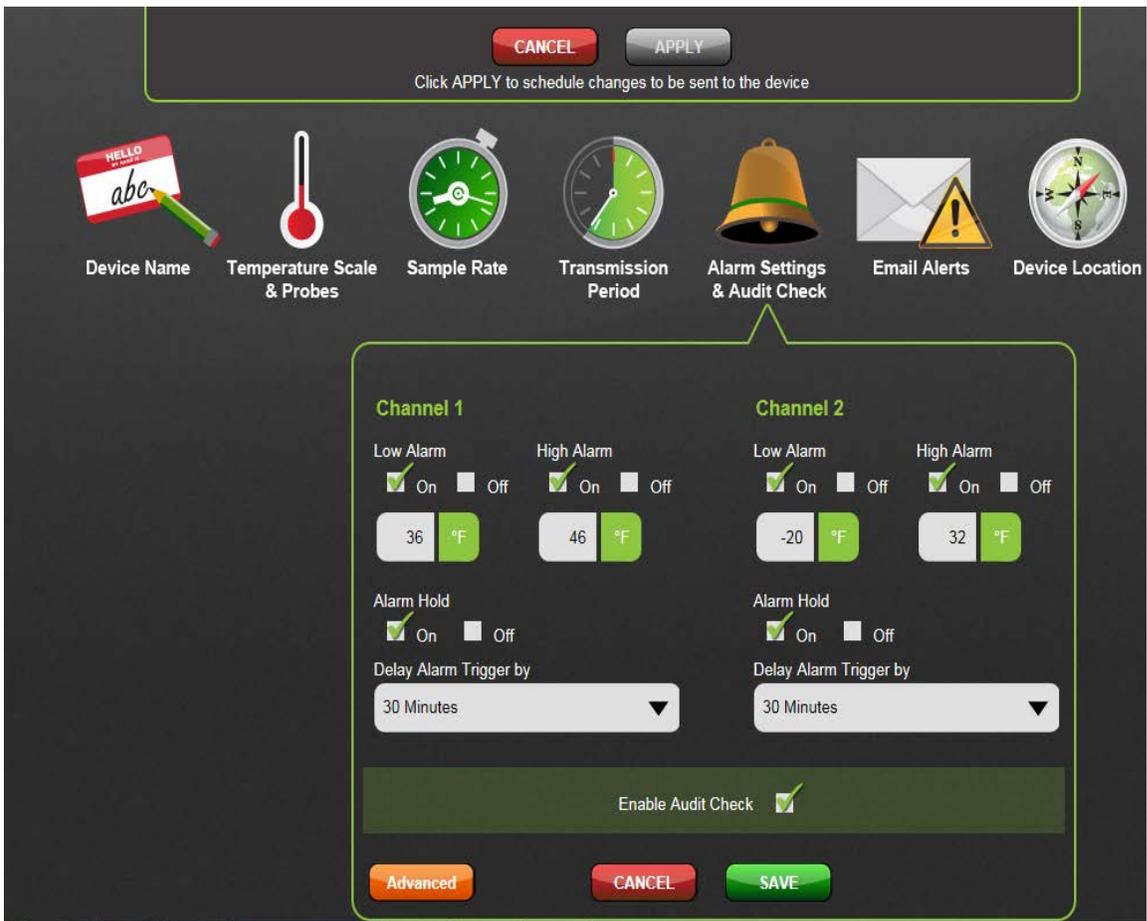
We will go through each of these settings on the next few pages.



Change Device Settings

- As you click on each setting icon a pop up window will appear with the data field required. Below are the settings that should be entered for each:
- **Device Name** (for single probe unit): must include SSV Pin followed by any other identifier that you choose.
- **Device Name** (for dual probe unit): must include SSV Pin followed by any other identifier that you choose. Probe 1 should be Fridge, Probe 2 should be Freezer
- **Temperature Scale & Probes:** the scale should be set to Fahrenheit (F) and the probe selection is "A"
- **Sample Rate:** set device to take a reading every 5 minutes
- **Transmission Period:** set device to transmit every 30 minutes
- **Alarm Settings and Audit Check** (see detailed page)
- **Email Alerts** (see detailed page)
- **Device Location:** Find and highlight the location created for your SSV Pin from the list and click APPLY.

- After all settings have been setup/changed they will appear in red in the top section of the setting page
- You must click on the APPLY button in the top settings section for the settings to be approved.



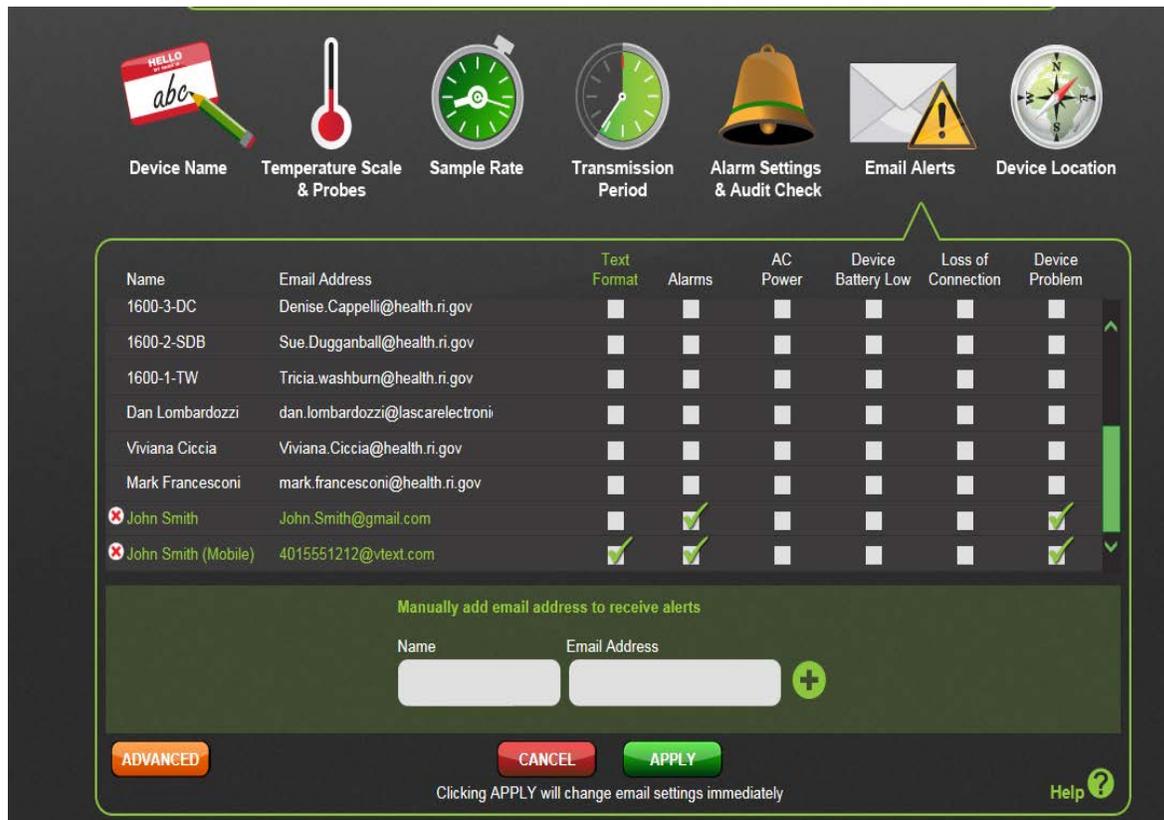
Alarm Settings & Audit Check

- Low Alarm: On Fridge: 36°F Freezer: -20°F
- High Alarm: On Fridge: 46°F Freezer: 30°F
- Alarm Hold: On Delay Alarm Trigger By: 30 Minutes
- Enable Audit Check: Yes (checked)

The **High and Low alarms** set the temperature range that is acceptable for each compartment. Fridge should run between 36°F to 46°F, Freezer between -20°F to 10°F (set at 30°F if units has a defrost cycle)

Alarm Hold is the amount of time that must be recorded outside of temperature range before the alarm is triggered. In other words there must be 6 consecutive recordings of high/low temp readings.

Audit Check is a feature that the logger offers to track how often the storage unit temps are being checked. By depressing the black button on the front of the logger for 3-5 seconds (until the temp changes to - - - - and Min/Max flashes on screen) a reading will be captured by the logger which is displayed on the View Data Graph. If the Audit Check is done twice daily the practice can stop using the paper Temperature Tracking Log (only after 30-days of recording without missing a twice daily check).



Email Alerts

Alerts can be set up to be sent to an email address or a mobile device.

- **Email:** Enter the individual's name and email address in the appropriate fields and then click on the + symbol.
- The individual's name and email will be added to the bottom of the list.
- To delete a contact click on the X to the left of their name.
- **Mobile Texting:** Enter the individual's name and modified mobile number in the Name and Email Address fields
- The name should include (Mobile) at the end to distinguish which form of contact is being setup.
- The email field should include the 10-digit mobile phone number followed by the mobile carrier's SMS gateway
- Examples:
 - 4015551212@vtext.com (Verizon)
 - 4015551212@txt.att.net (AT&T)
 - 4015551212@messaging.sprintpcs.com (Sprint)
 - 4015551212@tmomail.net (T-Mobile)
- Enter all names and email addresses before selecting the types of alarms you wish them to receive.
- Be sure to check the TEXT FORMAT box for text messaging
- Click APPLY to leave the page when done

Mobile carrier SMS Gateways not listed can be located at the following webpage:

<http://www.makeuseof.com/tag/email-to-sms/>

On this page you will also see names and emails of RIDOH employees who have access to viewing your logger's data. **DO NOT** select any alerts next to the names of these individuals.



View Data

In order to see the data stored by the data logger you must select the **View Data** link at the bottom of the Devices screen. The View Data page includes four tabs:

- **Other Sessions:** Where you can view data from sessions prior to the last time the logger was updated
- **Graph:** which will display the current readings
- **Data:** allows you to view the data in a table format
- **Summary:** shows you the logger specs and statistics

The **Graph** screen, as shown here, displays the Min / Max setting with dashed lines on the display (Red for Fridge, Blue for Freezer). Your readings should all be within the acceptable ranges. You have multiple display options that can be selected in the Graph view:

- **Zoom** allows you to select how much data you wish to see (6-hrs, 12-hrs, day, week, month, year, or all data)
- You can also do a **Start / End** date search
- **Display Options** allows you to add or remove Temperature, Alarm Levels, and Audit Checks on the display

The slide bar at the bottom of the screen allows you to squeeze down to a specific area to see more detail.

At the top of the page you also have the ability to **Print** or **Export** the data that is on the screen

Other Sessions | Graph | Data | Summary

Available Sessions

Click on a row to view session information

Session Audit

Tuesday, April 5, 2016 - Friday, April 29, 2016 25 days

Reason(s) for new session

- Device Reset

Session Start	Session End	Time Zone	Readings
4/5/2016 6:25:11 PM	4/29/2016 1:14:26 PM	(UTC-05:00) Eastern Time (US & Canada)	6851
3/26/2016 1:05:29 PM	4/5/2016 6:20:10 PM	(UTC-05:00) Eastern Time (US & Canada)	2944
3/22/2016 8:31:59 AM	3/26/2016 1:01:51 PM	(UTC-05:00) Eastern Time (US & Canada)	1207
3/15/2016 8:07:24 PM	3/22/2016 8:27:12 AM	(UTC-05:00) Eastern Time (US & Canada)	1877

Other Sessions (above)

Allows you to look at data from previous sessions.

A new session is started each time there are changes to the settings or system errors.

By selecting the session you can now go to the Graph, Data, or Summary view for that session.

Summary (below)

Like the Graph page the Summary page allows you to select the date range that you wish to capture. On this page you will see:

- Device information
- Settings Information
- Statistical Information

Sensor Session Data

Rhode Island Department of Health
(UTC-05:00) Eastern Time (US & Canada)

Other Sessions | Graph | Data | Summary

Zoom: 6h | 12h | 1d | 1w | 1m | 1y | Show All

Start: 04/28/2016 1:14 PM

End: 04/29/2016 1:14 PM

DEVICE

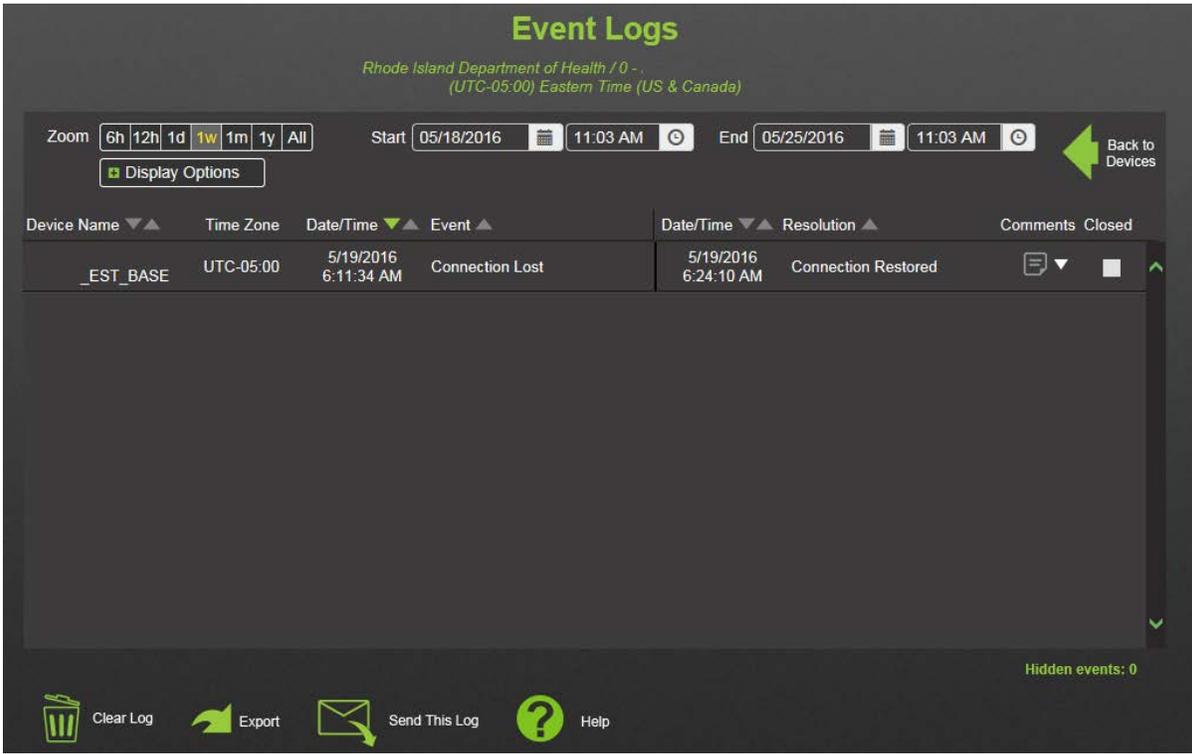
Device Name	Fridge
Device Type	WiFi-TP+
MAC Address	98:8B:AD:10:15:EC
Firmware Version	2.3.12 / 2.3.12 / 2.0.46 / R3.59
SSID	SERVICE
Date Set up	1/14/2016 - 12:39:30 PM
No. Readings Taken	30529
No. Alarms Triggered	1

STATISTICS

Temperature	
Minimum	37.54 °F
Maximum	41.43 °F
Average	39.82 °F
Std Deviation	0.4 °F
MKT (ΔH:83.144)	39.8 °F

SETTINGS

Sample Rate	5 Minutes
Transmission Period	30 Minutes
Audit Check	Enabled
Temperature	
Low Alarm	35°F
High Alarm	46°F
Alarm Delay	30 Minutes
Alarm Hold	Disabled
Probe Type	A



Event Logs

From the Devices Screen you will see a link at the bottom for the Event Logs. Once you click on that link you will be brought to the page shown here. This page will give you any events that occurred since the last time the log was cleared.

- Examples of log events:
- Audit Checks
 - Alarms and Reset Alarms
 - Change in Settings
 - Connection Lost

Once you have reviewed the data you may clear the log. This information should be delivered to you in an email each day as well.

Reset Alarms

If you see a RED Alarm indicator  on the Device screen, you should view the device data and/or Event Logs to see what caused the alarm. Once you have determined and corrected the problem you will need to click on the RESET ALARM link to reset the indicator. The system will not send any additional alarm notices until the existing event is addressed and reset.

