

VFC311 WiFi Data Loggers – Installation Guide



VACCINE
STORAGE
AND
HANDLING

EXPERTS

Chicago Department of Public Health Information and Resources



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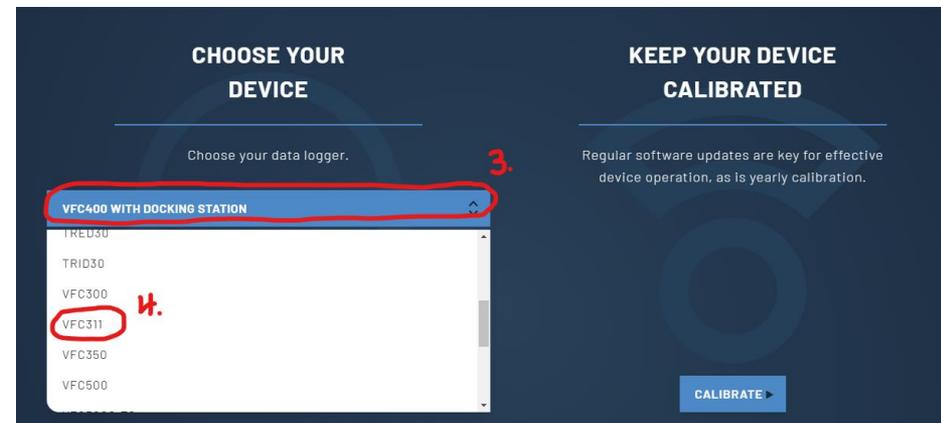
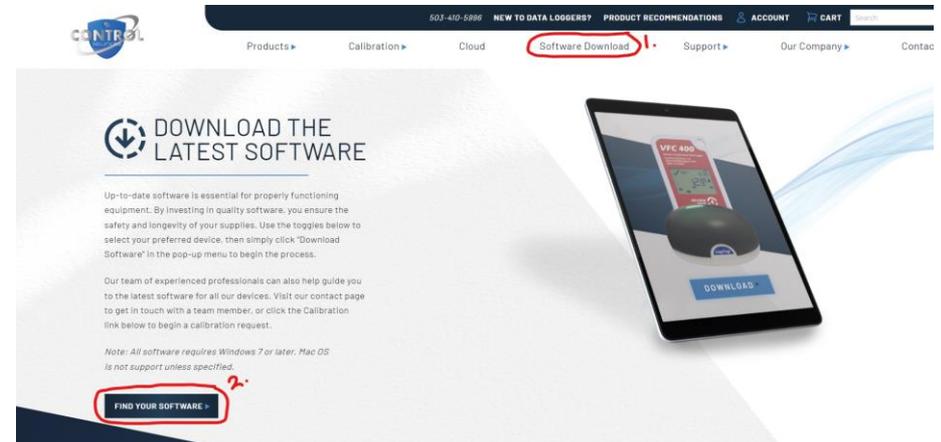
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35851 Industrial Way
St. Helens, OR 97051
Toll Free: 1-888-311-0636
Local Phone: 503-410-5996
Fax: 503-410-5997

- Website: www.vfcdataloggers.com
- Email: support@vfcdataloggers.com

Downloading the WiFi Software

Downloading the WiFi Software

- Visit www.vfcdataloggers.com and choose “Software Downloads”
- Click “Find Your Software”
- Click in the drop-down menu under “Choose Your Device”, select “VFC311”



Downloading the WiFi Software

- Download the most current version of the VFC WiFi Software
- Follow the prompts to download the VFC WiFi Software to your PC (you will need admin rights to the PC to download a program. You may need to contact your IT dept.)

VFC311

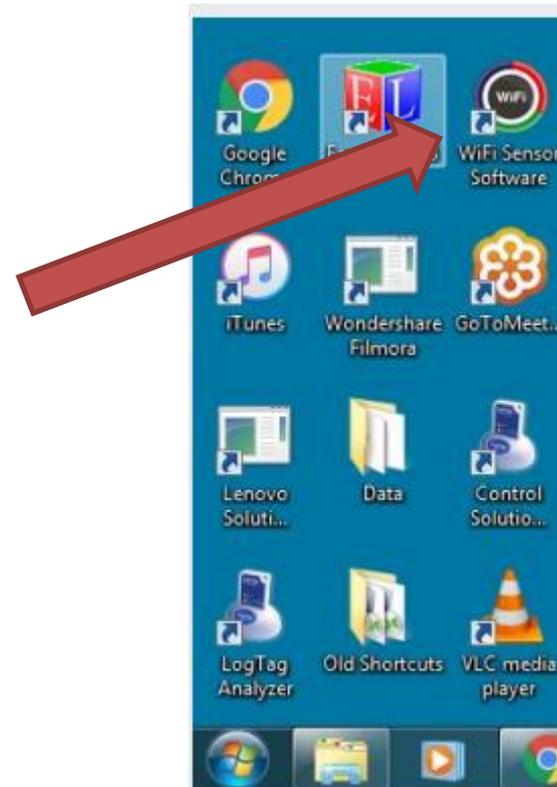


The VFC311 is currently operating under WiFi Sensor Software. This software is up-to-date as of 2022-12-13.



Downloading the WiFi Software

- The software is now installed and put as an ICON on your desktop.



VFC311 WiFi Vaccine Monitoring Kit

VFC311 WiFi Vaccine Monitoring Kits

The VFC311 Kit includes:

- VFC311 WiFi Data Logger
- 1 Stainless steel temperature sensor with 10' cable in a shatter-proof glycol filled bottle
- 1 Acrylic stand so your glycol bottle can stand upright in the fridge or freezer
- 3 Adhesive backed cable tie mounts with tie wraps so you can secure the cable to the side of the fridge/freezer
- 1 NIST traceable Certificate of Calibration compliant to ISO 17025:2005, with 1 year certification

VFC311 WiFi Vaccine Monitoring Kits

- Sample components of VFC311 kit



VFC311 WiFi Data Logger Installation

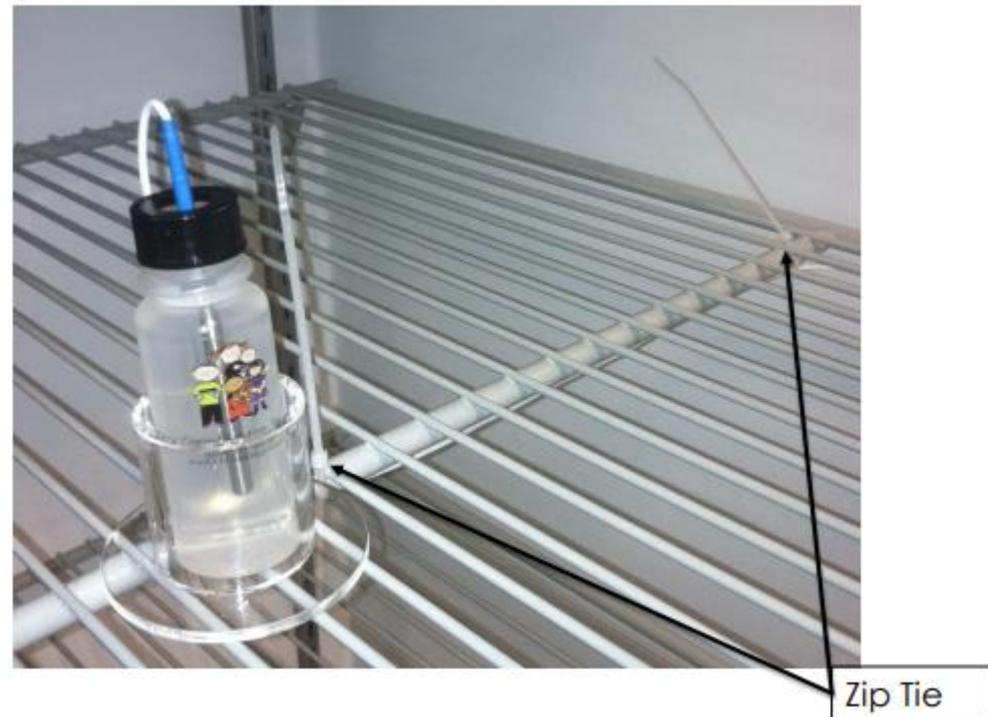
Installation of VFC311



- Charge the VFC311 data loggers for at least 8 hours prior to installation.
- Put probe with glycol bottle in the fridge/freezer for 2-3 hours to get them conditioned
- Perform factory reset of data logger by holding down the button on the front for 20 seconds until you see FArS.
- Use the software to associate the logger to WiFi access point.
- Signal strength of 5 or above when positioning logger where it is to be mounted.
- Determine power source and route power cable to data logger.
- Once logger location is identified, install wall mounting bracket. Use alcohol to clean area first.
- Route cable out to logger using zip ties and cable tie mounts. Don't clinch them down yet.
- Once all cables are routed, clinch down zip ties to secure.

Installing probe/acrylic stand into fridge/freezer

- Secure cable with zip ties provided



Installing probe/acrylic stand into fridge/freezer

- Continue to route the cable towards the front of the fridge/freezer in the hinge side and secure. If you have a cable port on your fridge/freezer, you could route the cable through that.



Standard refrigerator installation example



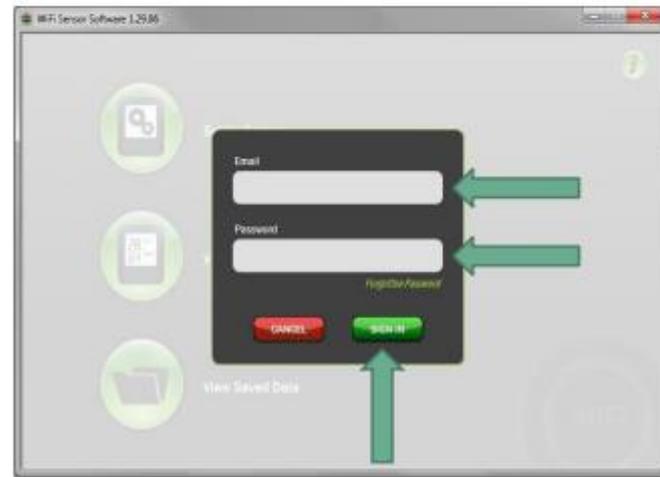
Under counter refrigerator installation example



VFC311 – Associate Logger to Cloud Account

VFC311 – Associate logger to Cloud Account

- Sign into your Cloud account by clicking on the “sign in” button
- Enter your email and password, then click “Sign In”



VFC311 – Associate logger to Cloud Account

- Click on Set-Up Device, then click “On the Cloud”



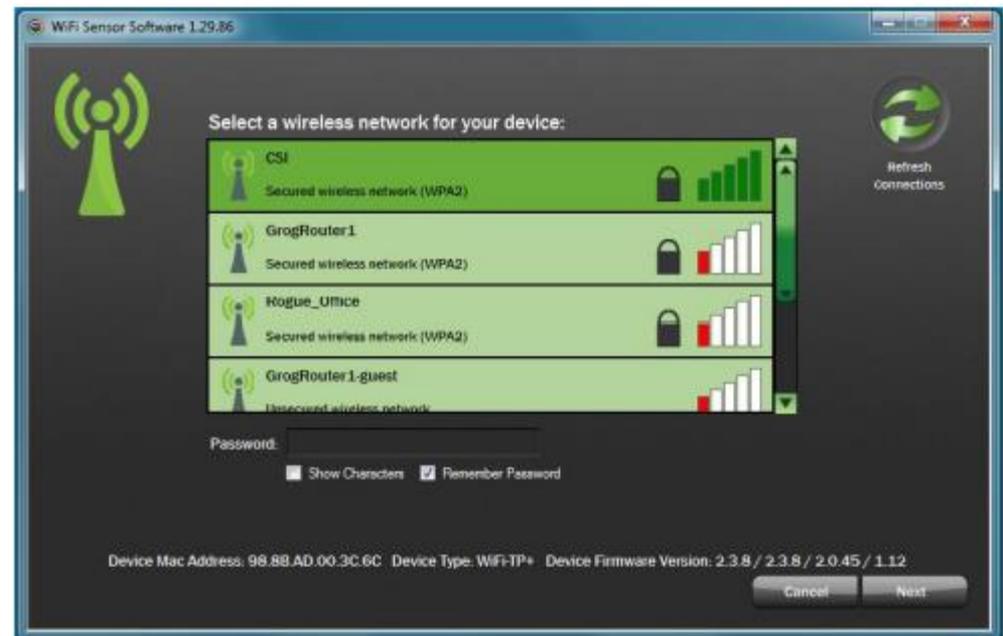
VFC311 – Associate logger to Cloud Account

- You will be prompted to plug the data logger to the PC. Use the short programming cable in the box, not the 10' long chord.
- The micro USB socket on the logger is at the bottom of the logger and protected by a rubber insert. Remove this to gain access to the micro USB port.
- Plug the other end of the cable to your USB port on the PC.
- Wait for software to display “Connected”.



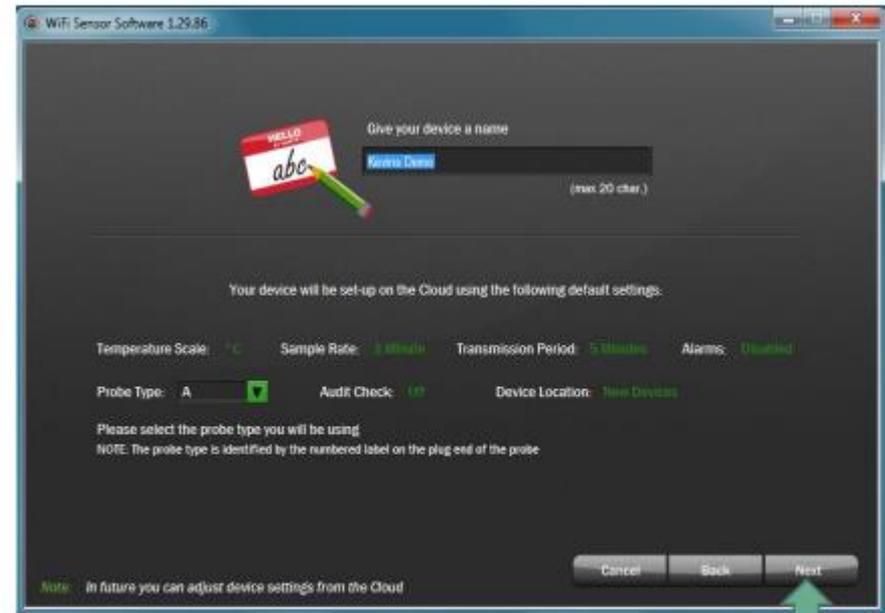
VFC311 – Associate logger to Cloud Account

- Select the network you want to connect to and enter the password.
- If you use a hidden network, scroll to the bottom of the list and select “Join Other Network”



VFC311 – Associate logger to Cloud Account

- Enter the device name (20 characters max) and click Next.



VFC311 – Associate logger to Cloud Account

- Once your VFC311 is associated to your new Cloud account, you will see this screen.
- Click “Finish”.



VFC311 – Associate logger to Cloud Account

- Plug your temperature sensor into the data logger to start logging temperatures.
- To set your new device up, click on “View Devices”, then click “On the Cloud”.
- This takes you to the dashboard where the new device will reside until you complete the set-up of that device.



VFC311 WiFi Data Logger Configuration

Data Logger Configuration

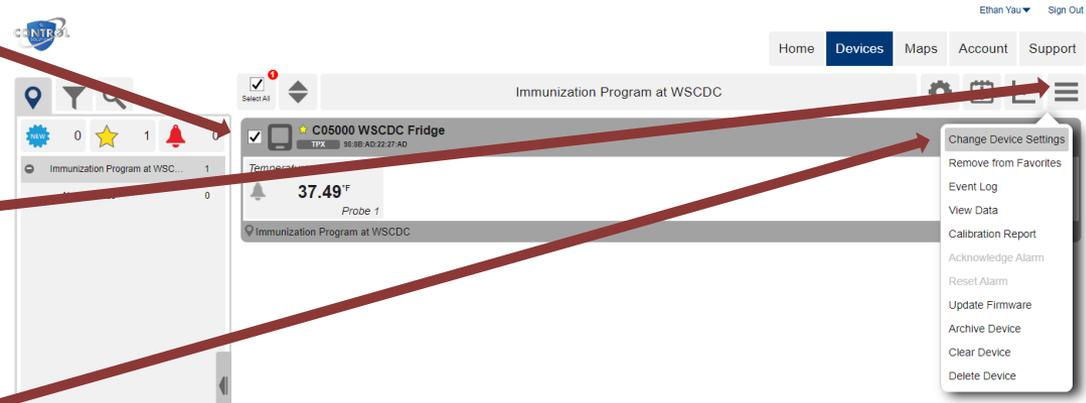
- Your Cloud account will open on the Devices tab.
- As this device is new, it is located under the “New” icon. Click on “New” to get to the device.



The screenshot displays the 'Devices' tab in the Healthy Chicago web application. The left sidebar contains a navigation menu with a 'New' icon (a blue starburst) highlighted by a red arrow. The main content area shows two device cards: 'Test' with a temperature of 75.2°F and 'VFC Fridge' with a temperature of 74.8°F. The top right corner shows the user's name 'Kevin Gaunce' and navigation tabs for 'Home', 'Devices', and 'Event Log'.

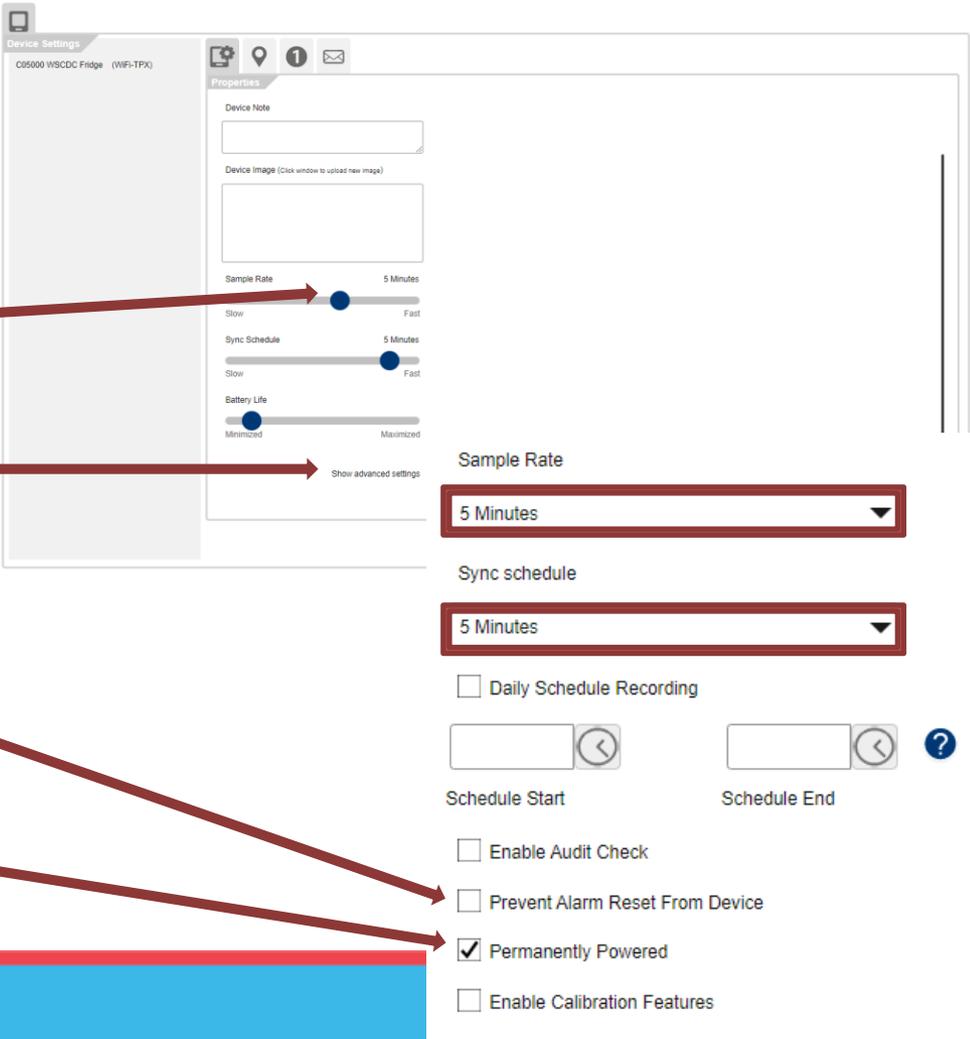
Data Logger Configuration

- Select the new device by checking the box to the left of the device name.
- Click on the icon with 3 bars in the upper right-hand corner and select “Change Device Settings”.



Data Logger Configuration

- The set-up page has 4 icons to set-up your VFC311. A 1 and 2 are the 2 probes for fridge and freezer.
- Properties: select the sample rate. For vaccines, we suggest 5 minute sample rate and sync rate. You can slide the green dots to change.
- Click on “Show Advanced Settings”
- If you don’t want a temperature alarm to be reset at the data logger, check the “Prevent Alarm Reset from Device” box.
- Click on advanced options. Check the “Permanently Powered” box.
- Click “Apply”.



Device Settings
C05000 WSCDC Fridge (WIFI-TPX)

Properties

Device Note

Device Image (Click window to upload new image)

Sample Rate 5 Minutes

Slow Fast

Sync Schedule 5 Minutes

Slow Fast

Battery Life

Minimized Maximized

Show advanced settings

Sample Rate

5 Minutes

Sync schedule

5 Minutes

Daily Schedule Recording

Schedule Start Schedule End

Enable Audit Check

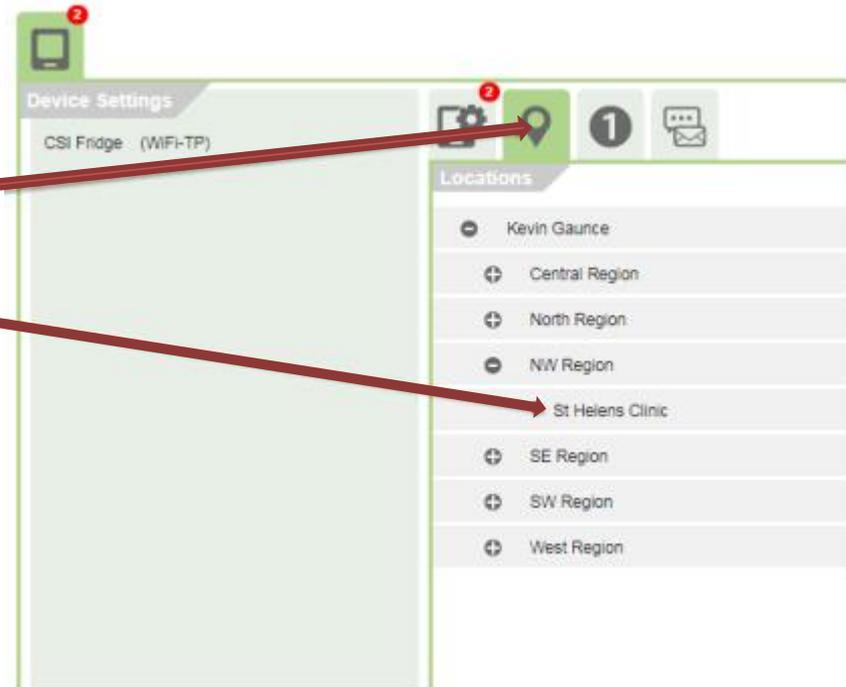
Prevent Alarm Reset From Device

Permanently Powered

Enable Calibration Features

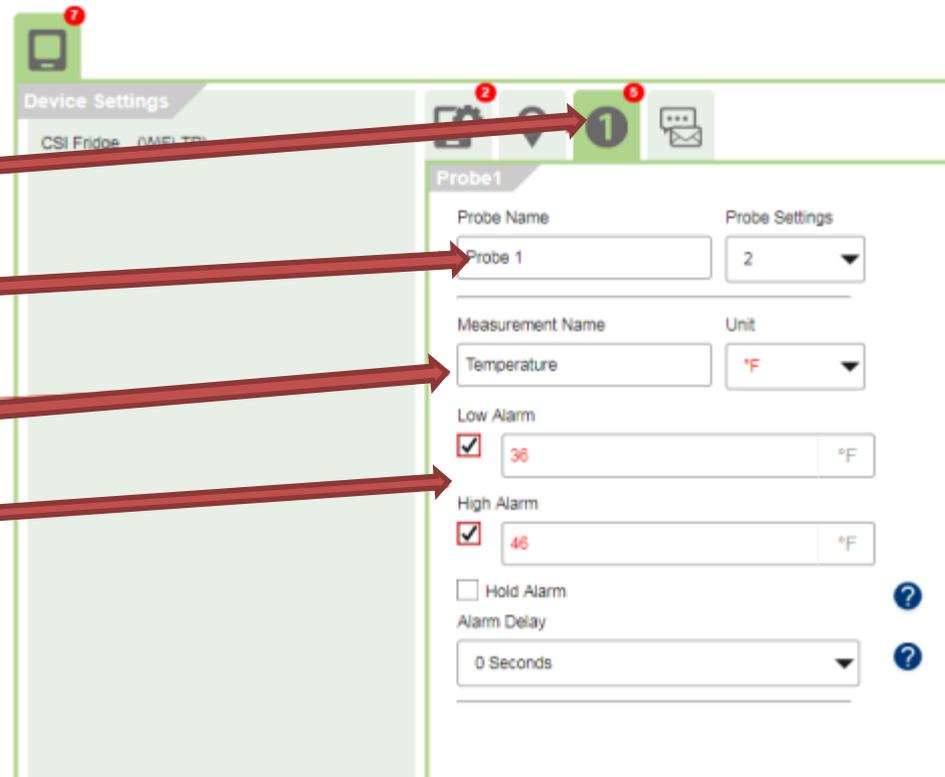
Data Logger Configuration

- Click on the ‘Locations’ icon.
- Select the location you want the data logger to reside in.
- Click “apply”.



Data Logger Configuration

- Click on the “Probe 1” icon.
- If you choose, you can change the “Probe Name”. “Probe Settings” should be set to “TPX Probe”.
- Change temperature to either Deg F or Deg C.
- Check Low and High alarm boxes and fill in with proper alarm settings.



Device Settings
CSI Fridge (MELT)

Probe 1

Probe Name	Probe Settings
Probe 1	2
Measurement Name	Unit
Temperature	°F
Low Alarm	
<input checked="" type="checkbox"/> 36	°F
High Alarm	
<input checked="" type="checkbox"/> 46	°F
<input type="checkbox"/> Hold Alarm	
Alarm Delay	
0 Seconds	

VFC311 WiFi Data Logger Configuration (Notifications)

Data Logger Configuration (Notifications)

- By default, the WiFi data logger will not repeat it's alert. To change to a repeat alarm for the primary alarm, click mouse on the first red alarm bell. A drop down will appear.
- Click the down arrow in the "repeat" field and select 15, 30, 45, or 60 minutes.
- Click down arrow in the "Until" field. Select Resolved/Reset, Acknowledged, Repeat twice, three times, four times, or five times.
- Click apply for the repeat alert and then click apply to save all changes.

