NOTIF EYE™
POWERED BY TEMPTRAK

NotifEye™
Wireless Sensors and Gateway Instructions

Contents

Confirm Your Kit

Kit #15906
- (4) Temperature Sensors #15200
- (4) Batteries (Lithium 2/3A_658-CR123A)

Kit #15907
- (2) Temperature Sensors #15200
- (2) Batteries (Lithium 2/3A_658-CR123A)

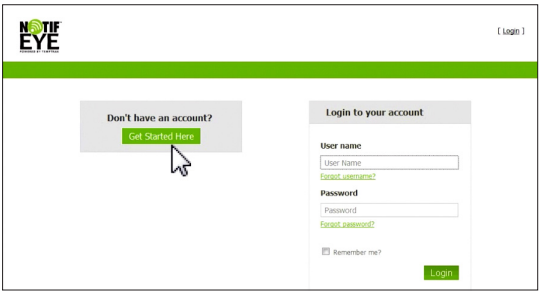
Each Kit includes:
- (1) Buffer #15503
- (1) Receiver #15504
- (1) Base Station Cable (25')
- (1) Power Cable (Plug_Cat5 Terminator)
- (1) Ethernet Cable
- (1) Reference Guide
- 1 Year of Hosting

1 Creating An Account

1. In a web browser, navigate to http://www.notifications.notifeyewireless.com

2. Click the "Get Started Here" button. *Please ensure all fields are completed.*

3. Account Information.



Key Fields:

- Time Zone - To select a time zone, locate the city closest to you within your time zone. This can be updated later if needed.

4. Primary Contact Information

Key Fields:

- User Name - this is automatically generated during the initial setup. It consists of the first and last name that is entered into the name fields separated by a period. This username will be set as an administrator.
- Password - must be at least 8 characters

Note: *We recommend writing down your username and password on the reference guide that shipped with your kit and keeping it in a secure location.*

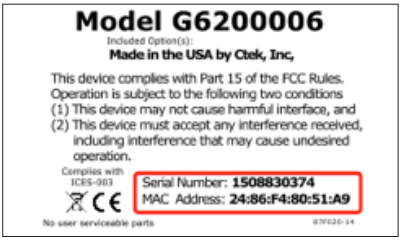
5. Assign Network

Key Fields:

- Network Name - enter a name for your first network (e.g., Main Kitchen).

6. Assign Gateway (Gateway is comprised of two compnentsa Buffer and a Receiver)
Key Fields:

- Gateway – select Gateway from the dropdown list.
- Serial Number – enter the serial number from the Buffer label
- Mac Address – enter the Mac address, including colons.
- Assign to Network – select the network the Buffer will belong



7. Gateway successfully setup
Once you have successfully created an account and assigned your first gateway, you will get a "congratulations" screen. Click on the "Manage" button to continue setting up your NotifEye system.

At this point, we recommend you set up your hardware.

2 Setting Up the Hardware

The Gateway will be pre-assembled, but if for any reason it needs to be disassembled/reassembled to replace any component, follow the instructions below.

Setting Up and Using the Gateway

- 1. Remove the base station housing cover.
- 2. Connect the data cable (A) to the receiver (B)** and buffer (C).
- 3. Plug network cable into ETH0 (E) on the buffer.
- 4. Plug-in the power adapters for both devices.
- 5. Close the base station housing cover.
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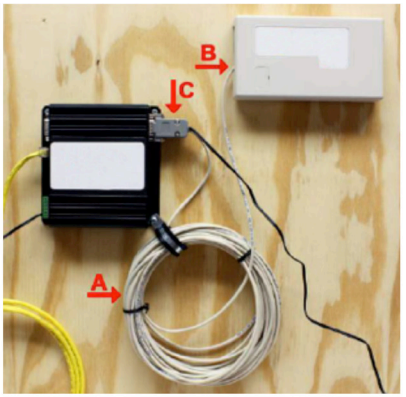
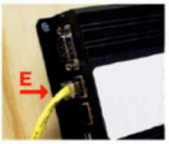
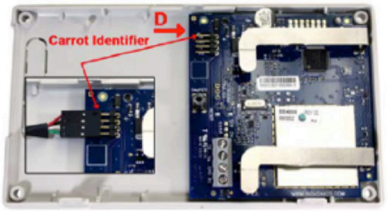
****Note:** *Make sure the marked ends (D) match up as above.*







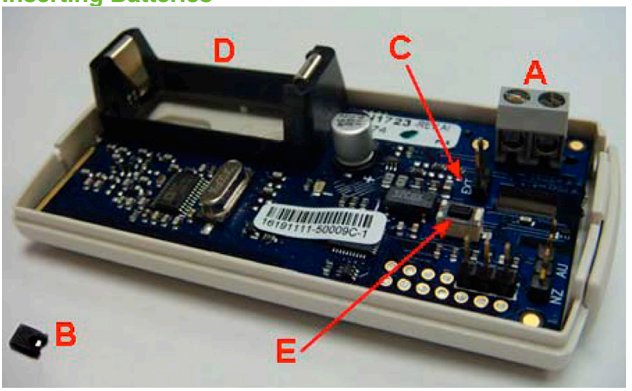
Understanding the Gateway Lights

Note: *When the Gateway is first powered, the lights 1 and 2 will turn on for a moment, turn off, and then turn back on after 30 – 60 seconds. When this cycle is complete, the buffer is connected. Light 1 will be green and Light 2 will be amber*

Gateway Help
If your lights turn red, try unplugging the power, waiting for 60 seconds, then powering the device back on.

Configuring The Gateway
The Ethernet Gateway collects data from all sensors within range. If the internet connection is interrupted, the gateway's internal will store readings to prevent data loss. Once the internet connection is re-established, any stored data is automatically transmitted. Since the gateway requires power for this operation, a battery backup is recommended in the event of a power outage.

Inserting Batteries

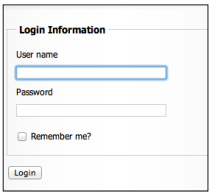


1. Remove the transmitter cover.
2. Screw the two probe leads into the terminal block (A).
3. Place the jumper (B) over the EXT pins (C).
4. Insert the battery into the battery slot (D).
5. Press the reset button (E) to initialize the transmitter.
7. Close the transmitter housing.

Manual Sensor Reset Process:
If you want to force a temperature to be sent, remove the transmitter cover and press the reset button

***Important:* Do not mount sensors before entering their IDs and codes into the online system** *(see page 5).*

3 Setting Up The Online System

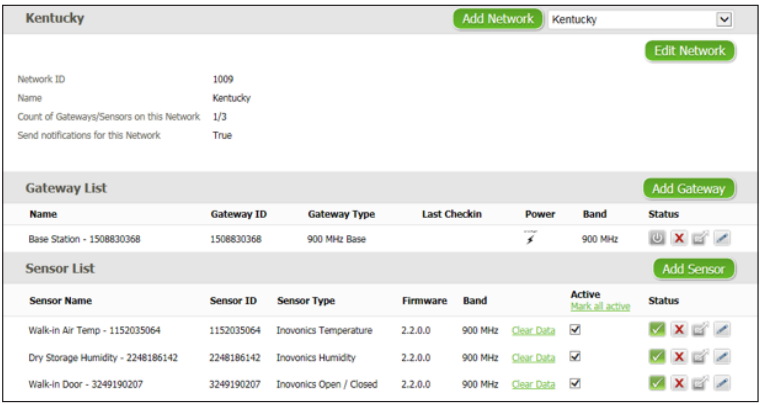


Logging into the System

On the home page, enter your username and password you just created (page 2, **4.**) in the login fields and click the “Login” button.

Adding Sensors, Gateways and Networks

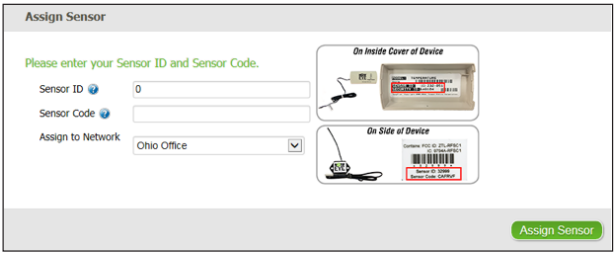
These steps will allow you to add sensors, gateways and networks to your account. If you have additional gateways you can either set them up as their own individual networks or add them to your existing network and manage them from one account.



1. Adding Sensors

- Choose the “Manage” tab from the main navigation bar.
- From the “Network” dropdown on the right, select the network to add the sensor to.

- In the section “Sensor List”, click the “Add Sensor” button
- Enter the Sensor ID and Security Code from the label on the sensor.
- Press the “Assign Sensor” button. The sensor will now appear in the sensor list.



- Repeat this process to add more sensors to this network.

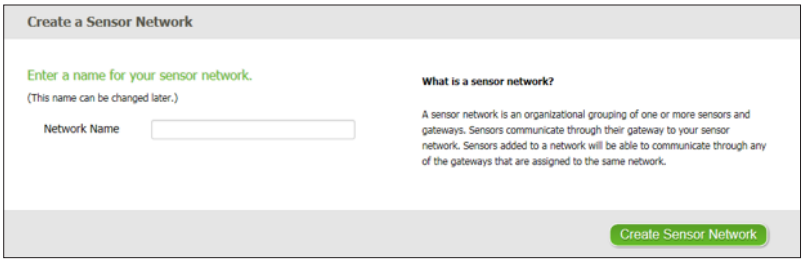
2. Adding Additional Gateways

- Choose the “Manage” tab from the main navigation bar.
- From the “Network”dropdown on the right, select the network to which you would like to add the gateway.
- In the section “Gateway List”, click the “Add Gateway” button.
- From the Gateway or Base Station dropdown, select Base Station.
- Enter the Serial Number and Mac Address (including colons) from label of the Buffer you want to add.

- Press the “Assign Gateway” button. The gateway will now appear in the gateway list.
- To change the default name of this Buffer, (e.g., Buffer - 1232343456) in the “Gateway List” pane, click the “Edit Gateway Details” icon .
- Enter a new name and then click “Save” and the Base Station will appear in the settings list.

3. Creating Additional Networks

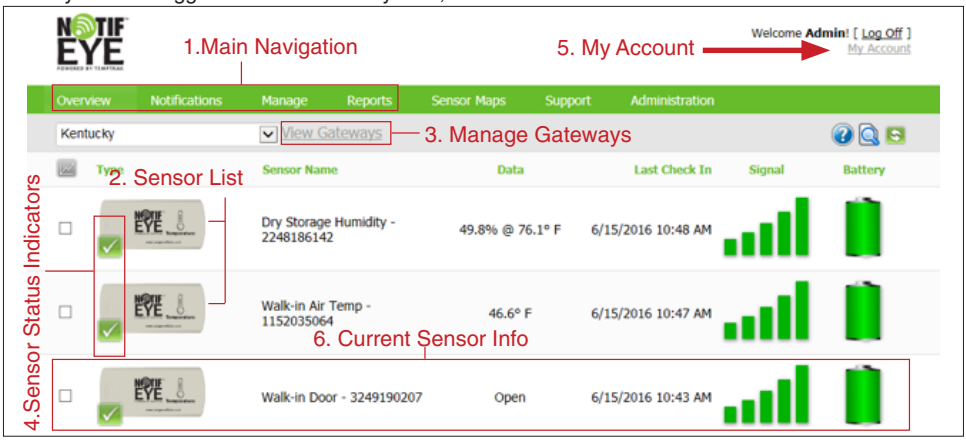
- Choose the “Manage” tab from the main navigation bar.
- From the “Network” pane, click the “Add Network” button and a new network will appear in the list.
- To change the default name of this network, (e.g., Network 3355) in the “Network Details” pane, click the “Edit Network Details” icon .
- Enter a new name and then click “Save” and the network will appear in the settings list.



Overview of the NotifEye System

The Online Interface

When you have logged in to the online system, click on the “Overview” tab. This is the default view.



1. Main Navigation

Overview - click to return to “Home” view. This shows all the sensors and gateways. Mouse over and click to select a particular network from the dropdown menu.
Notifications - click to view Notifications.
Manage - click to add and delete Networks, Gateways and Sensors.
Reports - click to access system reports (sent notifications and access logs) for your account.
Sensor Maps - click to view a visual map of your active sensors. (Upload an image file and then visually place your active sensors onto it)
Support - click to access additional support (i.e. manuals, video tutorials, etc.)

2. Sensor List

Displays all sensors that are currently assigned to your sensor network. Clicking on the sensor names allows you to view information for that specific sensor. Clicking the edit button by a sensor’s name allows you to change the sensor specific settings such as sensor name and heartbeat.

3. Manage Gateways

Displays all Gateways that are currently assigned to your sensor network

4. Sensor Status Indicators and Icons

Displays the status for each individual sensor.

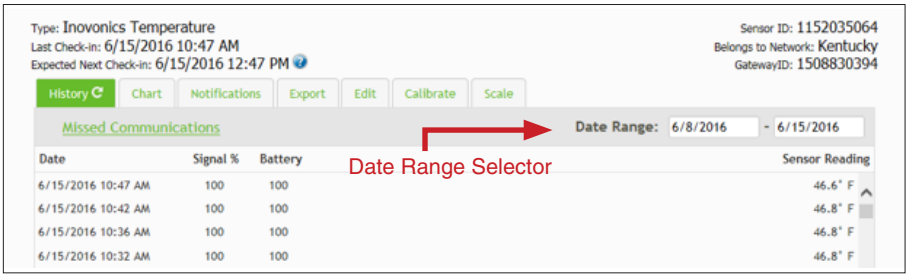
- Sensor is checking in and within user defined safe parameters
- Sensor has met or exceeded temperature limits or triggered a notification
- Sensor has not checked in
- No sensor readings since shipping
- No sensor readings will be recorded (Inactive)
- Edit your sensor
- Edit your sensor, however some fields are unavailable until pending transactions have been received by the sensor at its next scheduled heartbeat or has been manually reset. Once the transaction is complete, the icon will change back to its normal form.

5. My Account

Click to display and edit account information.

6. Current Sensor Information
Displays the most current information of the selected sensor, including: last check-in, signal strength, battery power and last sensor reading.

Sensor Data Window
Main navigation to display information about the sensor. To display, click on a sensor from the sensor list.



Date Range Selector
Allows you to choose the date range for viewable information such as sensor history, notifications sent, charts and sensor data export.

Select a tab to change between:

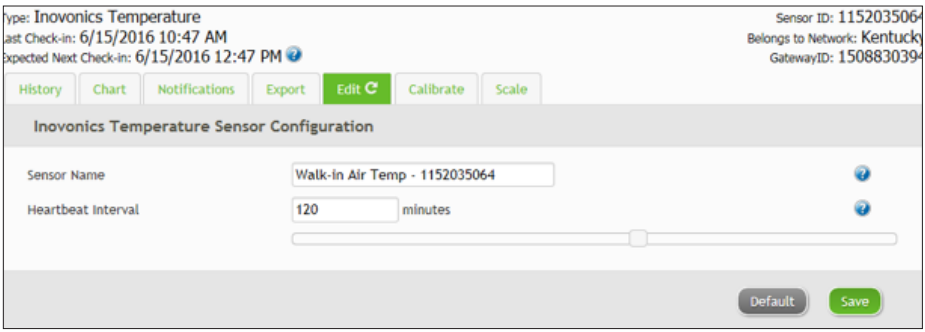
History	- displays a history (in list form) of the sensor's data.
Chart	- displays a graphical view of the sensor's data.
Notifications	- allows you to view, add, edit or delete notifications for the sensor.
Export	- allows you to archive data by exporting as a .csv file.
Edit	- allows you to change configurations such as sensor name and heartbeat.
Calibrate	- allows a numeric offset to be applied to the sensor temperature value
Scale	- allows you to choose the temperature scale (Fahrenheit or Celsius)

Note: *The tab highlighted in **green** is your current selection.*

Configuring Sensors

To set a sensor's configurations, from the Sensor List, click the sensor that you would like to configure, and then click the "Edit" tab. The Configuration window allows you to change the name of the sensor and set the heartbeat (how often the sensor checks-in with the software - 120 minutes is recommended. When you have finished making changes, press the "Save" button at the bottom of this section.

Note: *Be sure to click the "Save" button anytime you make a change to any of the sensor parameters. All changes made to the sensor settings will be downloaded to the sensor on the next sensor heartbeat (check-in). Once a change has been made and "Saved," you will not be able to edit that sensor's configurations again until the sensor has downloaded the new setting.*



Sensor Name
The name of the assigned sensor, e.g., Freezer 1.

Display As
Indicates whether temperature is displayed as °F or °C. Slide the grey bar to change between them.

Heartbeat Interval
The default Heartbeat Interval is120 minutes (2 hours) to preserve battery life.

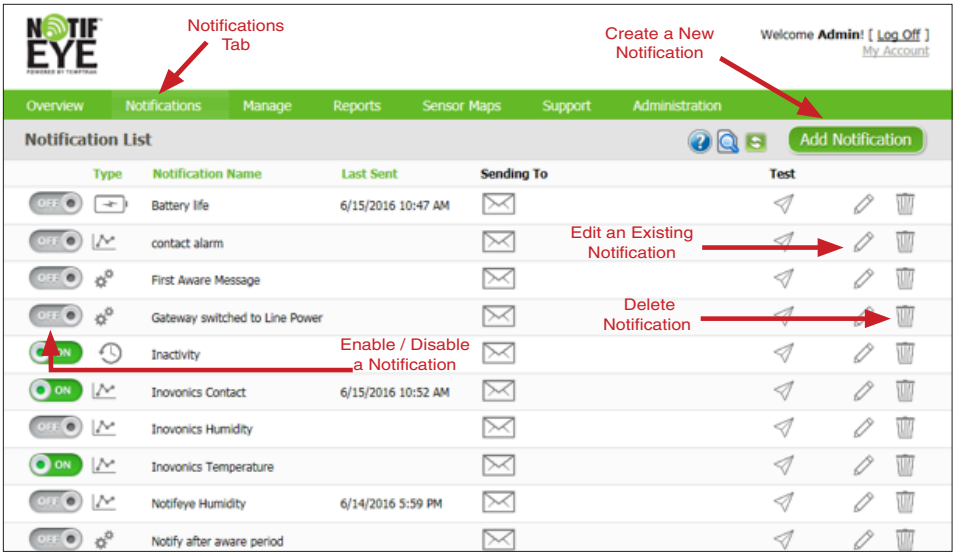
Synchronize
In large sensor networks, offset is used to prevent all sensors from transmitting simultaneously thus reducing communication disruption.

Failed Transmissions
The number of transmissions the sensor sends without response from a gateway before entering battery-saving link mode. In link mode the sensor will scan for another gateway on the same network and use that to send information. If none are found, the sensor will sleep for 2 hours before trying to scan again.

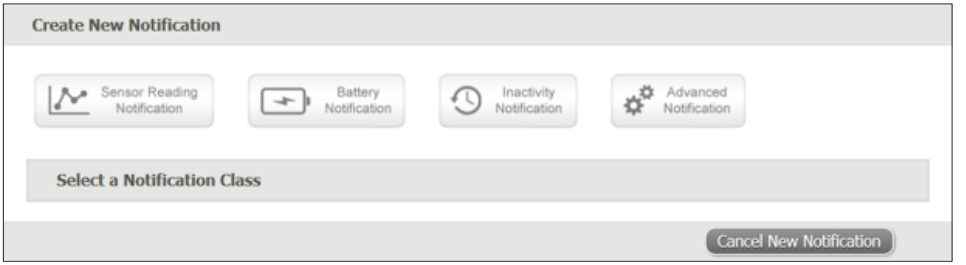
Setting Notifications

Automated notifications can be set up to alert you via SMS text or email if a wireless sensor meets a set threshold or condition. To create a new notification or edit/delete an existing notification, click on the "Notifications" tab in the main menu area of the site.

1. The Notification List Window



2. Creating a New Notification
Click on the "Add New Notification" button.



There are four notification options

Class of Notification

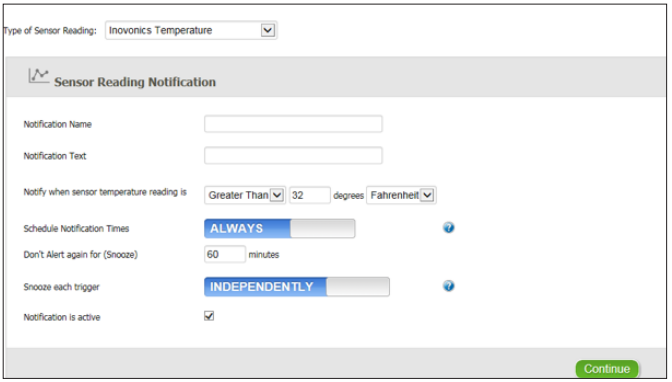
There are four notification options available when creating a new notification.

- **Sensor Reading Notification**: Application notifications are sensor specific (temp sensor = trigger alert when temp is above 70°F, etc.). The notification you create will be based on the selected sensor type.
- **Battery Notification:** Allows users to define a battery power percentage level that will trigger an alert from the system, warning them to replace batteries.
- **Inactivity Notification:** Set up "Inactivity" notifications to alert you when your sensors and/or gateways have stopped communicating with the servers. Failure to set up an "Inactivity" notification will result in no email/ SMS text being sent should your sensors stop communicating with the servers. This can also be used for inactivity in the gateway.
- **Advanced Notification:** Allows the user to set notifications based on more advanced rules; such as comparing past data points with the current one to determine if the notification should be sent. Some of the more common advanced notifications are listed below.
  NotifEye After Aware period: Sends a notification any time a sensor exceeds set measurement limits and enters an aware state.
  Back Online: Sends a notification when a connection is restored.
  Battery below 10 (%): Sends a notification when a battery drain reaches 10% battery life.

When you are finished, click the "Create" button.

3. Setting and Editing Notifications

You will need to choose what sensor type you are creating the alert for either temperature, humidity or open/close.



Notification Name

Name of Notification

Notification Text

Message that will be displayed when notification is sent.

Notify when sensor temperature reading is

This area allows you to set notification parameters such as the name, the notification message and sensor data conditions that will trigger the notification.

Schedule Notification Times

Schedules notifications for the entire week. Default is set to always notification.

Don't Alert again for (snooze)

Defines how frequently you want to be notified once the alert is active. Default is set to 60 minutes.

Snooze each trigger

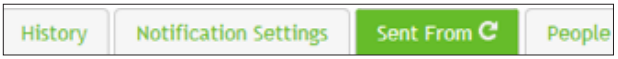
Sensor will alert independent of other sensors. Default is set to independently.

Notification is Active

Allows you to turn off a notification temporarily without deleting it.

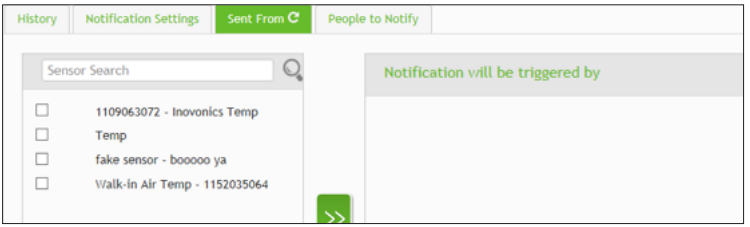
When you are finished, click the "Continue" button.

4. Assigning Notifications Delivery Settings



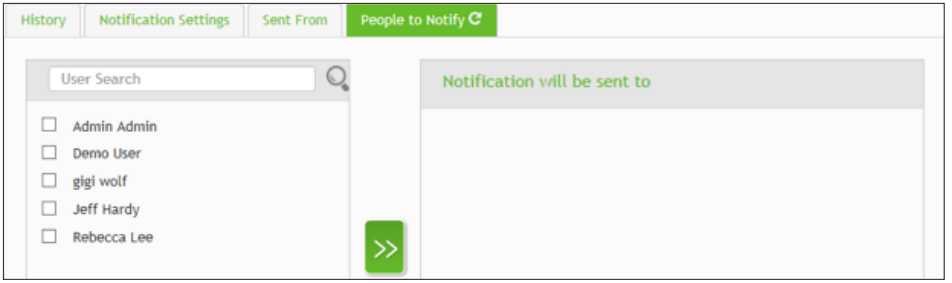
Sent From

Each notification needs to be assigned to a sensor. From the Sensor List panel on the left, choose the sensor to attach to this notification by clicking in the checkbox next to the sensor name then clicking the >> button.



People that will receive this notification

For each person that you want to receive notifications, select from the User List panel on the left or type a name into the search box and the system will automatically populate the name of a user within your sensor network. Select the name of the user for the notification.



5. Deleting a Notification

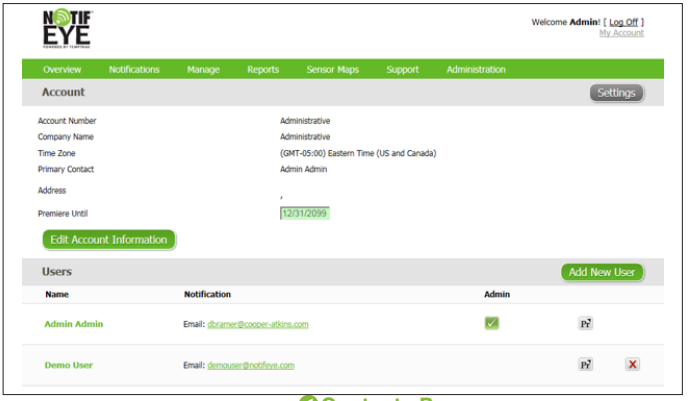
To delete a notification, in the “Notification List” pane, click on the name of the notification you wish to edit and at the bottom of the pane, click on the “trashcan” button to remove the notification.

My Account Settings

Clicking on the “My Account” link in the top right of the screen will open the Settings pane where you have access to change account information and setup account users.

Account Information

Information that can be edited include: Company Name, Primary Contact, Time Zone and Address. It will also tell you the date that your account needs reviewing.



4 Mounting Sensors

Sensors should be placed on a clean, dry, flat surface. Place them at least 3 ft away from each other and any wireless gateway for clearest transmissions.

Do not place the sensor body inside any refrigerator/freezer cabinet or storage area since this will interfere with sensor performance.

Sensors can be mounted in a variety of ways including using the screws or loop & lock tape that comes in your NotifEye kit. To use the loop & lock tape, peel off the sticky back and affix to the back of the sensor. Peel the other sticky side off and press the adhesive to the desired location.
Next, secure probe inside the cabinet with moisture-resistant tape, cable-ties or other suitable method.

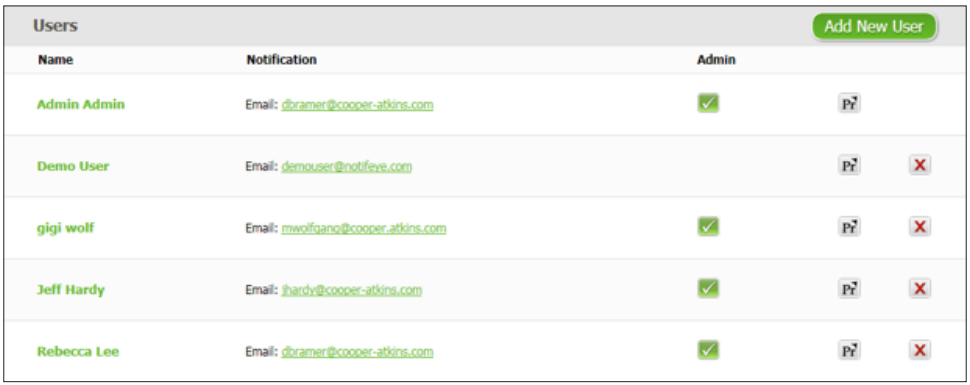
5 Advanced

Adding, Editing and Setting User Permissions

Adding New Users

To add new users, click on the “My Account” link at the top right hand of the screen. From the “My Account” page, click the “Add New User” button.

Note *In order to make changes to users, ensure you have administration privileges to the account.*



Fill in their corresponding information and assign them a username and password.

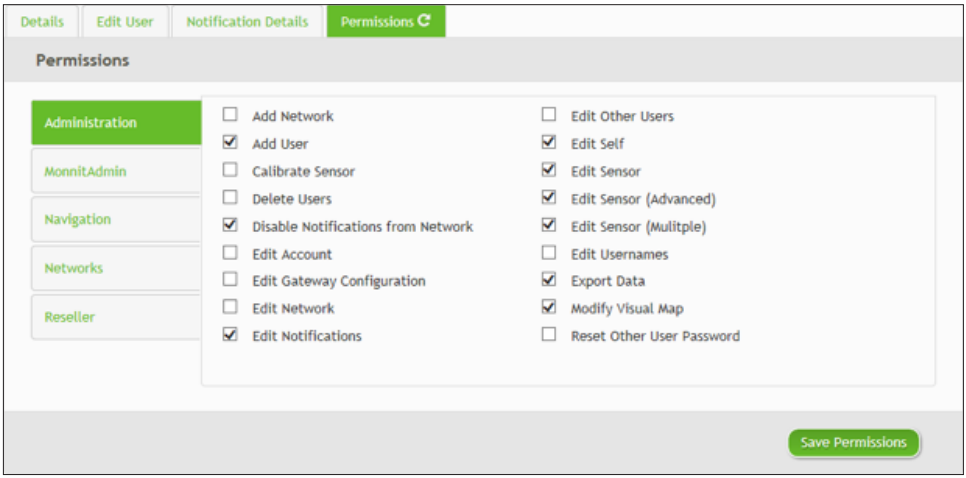
If you want this user to receive cell phone or text alerts from the system, you’ll need to enter their cell phone number and cell carrier from the dropdown.

If you are creating another administrator, who will have permission to edit information, you’ll need to make sure to check the “Is Administrator” box. If this user is only to have specific permissions, you’ll need to go back and make these changes once the user has been added to the account.

Once you click the “Save New User” button, you will be taken back to the Account settings page where your new user will be displayed.

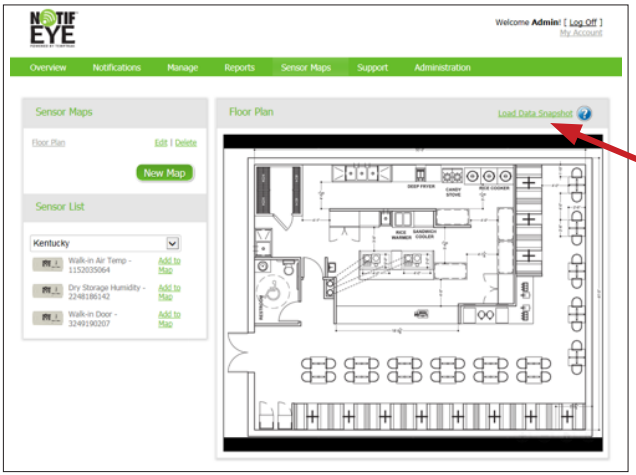
Editing Existing Users
To make edits to a user, in the “Users” list, locate the user and click on the name of the user you wish to edit. From here you can change their notification settings, reset their password, edit their personal contact information and edit their permissions. If you want to make the user an admin, checking “Is Administrator” will give them full administrative access to view and make changes to the account.

Setting User Permissions
If this user is to have limited permissions, you’ll need to make these changes once the user is added to the account. To make changes to an existing account users permissions, click on the “Permissions” tab. You can choose which networks each user can see and whether they are allowed to make any changes to network & sensor settings by checking and unchecking the boxes next to each one. After making changes, select “Same Permissions”.



Sensor Maps

The first time the Sensor Map tab is selected you will be prompted to choose and upload an image of your facility from your own files. Your sensors can be superimposed onto this image to represent their physical location in the facility.



Load Data Snapshot gives an overview of the last readings for all sensors shown on map.

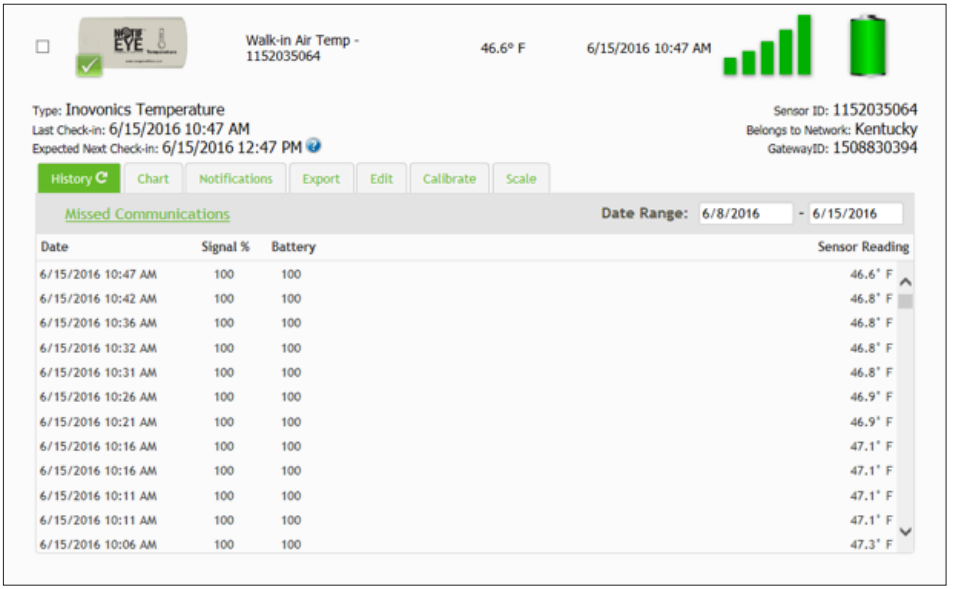
Clicking and dragging with the mouse allows you to view different portions of the map. To place a sensor on the map, under the Sensor List, click the “Add to Map” link next to the chosen sensor, or click and drag the sensor image to its desired location. Mousing over any sensors that are on the map will display the last reading while clicking a sensor will display the sensor information window.
To zoom in and out of the map, click on the “+” and “-” buttons in the bottom right of the image map. Remove a sensor by right-clicking on the sensor and select “Remove From map”. To add additional maps, in the Sensor maps pane, click “New” link.

Note: *All your available sensors will be listed in the left, Sensor List pane. To only view sensors in a particular network, select the network from the dropdown box.*

Sensor History and Chart Views

The tab highlighted in green is your current selection

Select the “Overview” tab in the main navigation bar. Click on a sensor name from the sensor list to bring up the sensor navigation tabs. Clicking on the “History” or “Chart” tabs within the sensor data window allows you to view the sensor data history as text or in a graphical chart for the date range specified in the top right corner. To change the date range of the viewable information, click on the date range box at the top right of the sensor data window.



Note: *If you view data immediately after setting up your system, the chart will not have enough readings to create a graph; you must wait until your sensor has checked in multiple times.*

Zoom

Zoom allows you to view a particular portion of the top graph. When you click and drag with your mouse between two points on the graph, a magnified view will appear in the top graph area. Click “Reset Zoom” to restore to the default view.

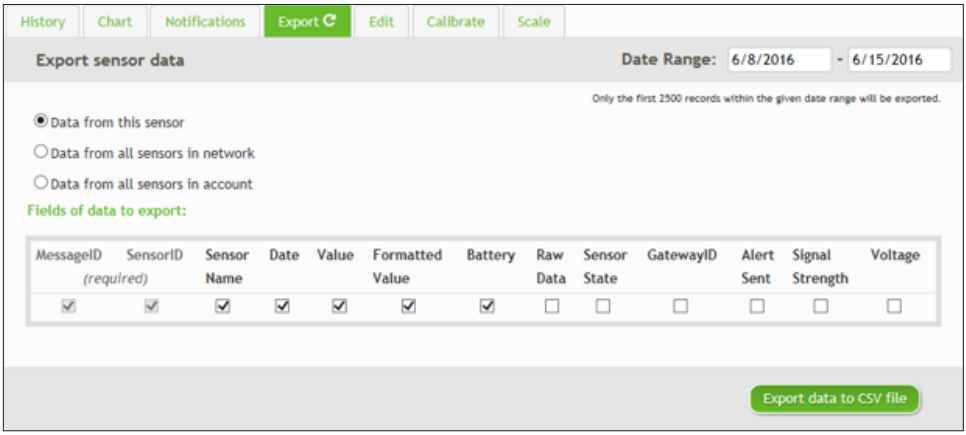
The Account Report gives you a list of all sensors on the account with the associated network, corresponding ID# and security code. The Battery Health Report shows the current battery life of all sensors, complete with percentages and visual indicators.

Clicking and dragging between two points on the graph will select the zoom area. This area will be shown in the top graph.

Viewing and Exporting Sensor Data

Exporting to .csv file

Clicking on the "Export" tab within the sensor data window allows you to export sensor data to a comma separated value (.csv) file or send the sensor data to an external web source. To export sensor data you must first select the date range for the data you want to export. Once the date range is selected, determine whether you want sensor data from the selected sensor only, from all sensors in the network or all sensors assigned to the account.



When you are finished, click on "Export Data" at the bottom of this window. The data will be exported to a comma separated value (.csv) file for use in spreadsheet software such as Microsoft Excel®. Depending on your browser settings you may be prompted for a save location. If not, the file will be downloaded to your browser's default download directory.

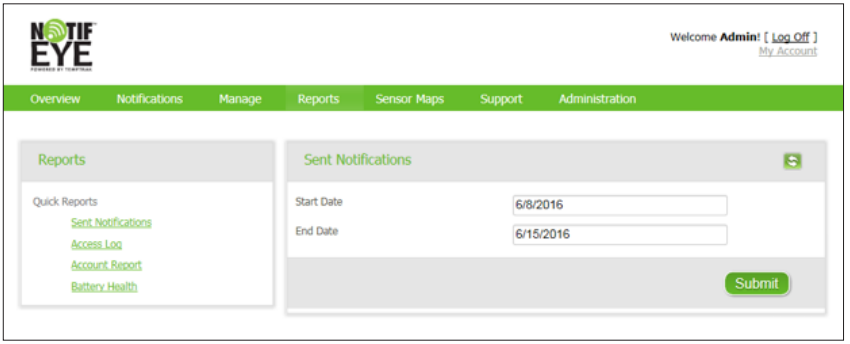
Note: *Only the first 5,000 records within the selected date range can be exported at a time.*

System Reports

The NotifEye system's "Report" tab allows you to view four types of reports: Sent Notifications, Access Log, Account Report, and Battery Health. To create these reports, click on the "Reports Tab" in the top navigation bar.

To view sent notifications, simply click on Sent Notifications from the left panel and enter the preferred date range (default range is one week). Once you hit submit, it will show all notifications sent

regarding your wireless system. If you choose the Access Log for a specified timeframe, you will see an access log showing all users that have logged in to the account, and the date & time they logged in.



The Account Report gives you a list of all sensors on the account with the associated network, corresponding ID# and security code. The Battery Health Report shows the current battery life of all sensors, complete with percentages and visual indicators.

User Information

For detailed instructional videos on how to use your NotifEye™ Wireless Sensors or the NotifEye™ Online System, please visit us at: **www.cooper-atkins.com/notifeye/support**

This equipment has been tested and found to comply with the limits for a Class B digital devices, 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 instruction manual, 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 of 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.*

WARNING
Changes or modifications not expressly approved by Cooper-Atkins could void the user's authority to operate the equipment.

RF EXPOSURE WARNING
To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance are not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

Limited Warranty

Any instrument which proves to be defective in material or workmanship within one year of original purchase will be repaired or replaced without charge upon receipt of the unit prepaid with proof of purchase. This Limited Warranty does not cover damage in shipment or failure caused by tampering, obvious carelessness, or abuse, and is the purchaser's sole remedy.