

GrayWolfLive Alerts

IMPORTANT: The alerts feature on GrayWolfLive is meant to be informational only for interpretation by an educated professional. It is not intended to be relied upon for use as a personal safety monitor.

The GrayWolfLive alert Alerts feature allows you to setup Email and SMS Text Message alerts to be sent to multiple email addresses and mobile phones when measured parameters on a GrayWolf device meet user-specified conditions.



The Alerts system can be accessed from the main menu of your GrayWolfLive account. (If the Alerts menu is not available, then the feature is not enabled on your account. Contact salesteam@graywolfsensing.com to activate the feature.)

Alerts View

Alert View					Refresh
Device	Triggered	Alert	Value	Errors	
Modify AdvancedSense at Reception	Never been triggered.	30 Min Average exceeds 5.0 ppm for Carbon Monoxide	0.0 ppm Avg (25%)		
Modify AdvancedSense in Calibration Lab	Never been triggered.	8 Hour TWA Exceeds 10.0 ppm for Carbon Monoxide	0.0 ppm Avg (5%)		

Create/Edit Alerts ?

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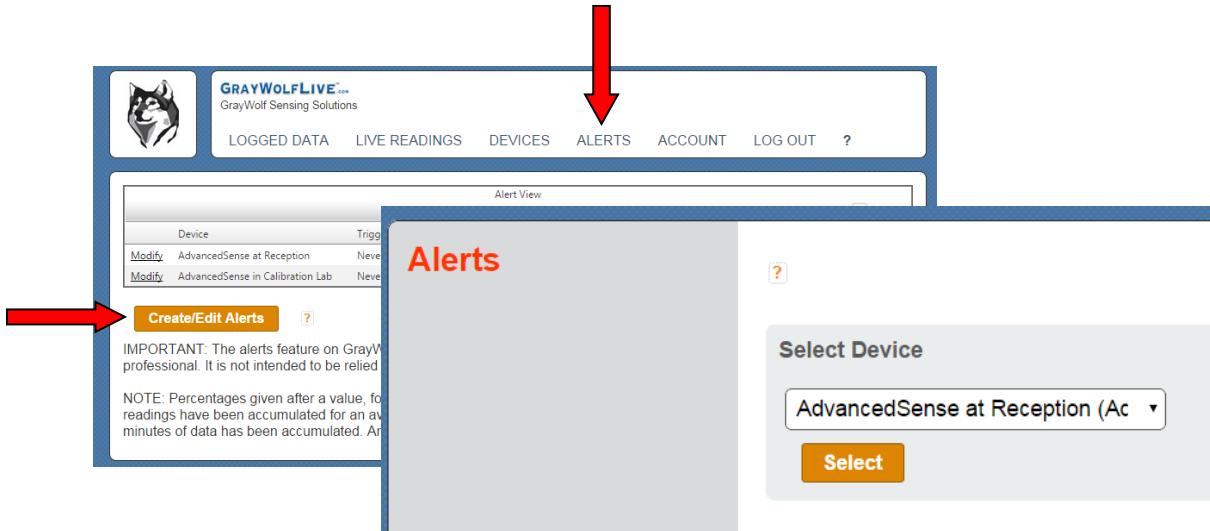
NOTE: Percentages given after a value, for example (30%) indicate a VERY ROUGH and ROUNDED ESTIMATE of how many readings have been accumulated for an average. For example, for a 30-minute average, 50% would indicate approximately 15 minutes of data has been accumulated. An alert is not issued on an average until 100% of the readings are accumulated.

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From the main Alerts View you can see the status of all the alerts set on all devices in your account. In the Value column, live readings and partially calculated averages are displayed. For averages, the percent of values accumulated is displayed after the readings. For example, 15 minutes into a 30 minute average, 50% will be displayed. After the average buffer is full (100%), the newest readings replace the oldest readings in the buffer and the averages are updated. For TWA averages, the buffer is pre-filled with zeros.

For alerts set on averages, the alert condition is not evaluated until the average calculation reaches 100%.

Setting an Alert

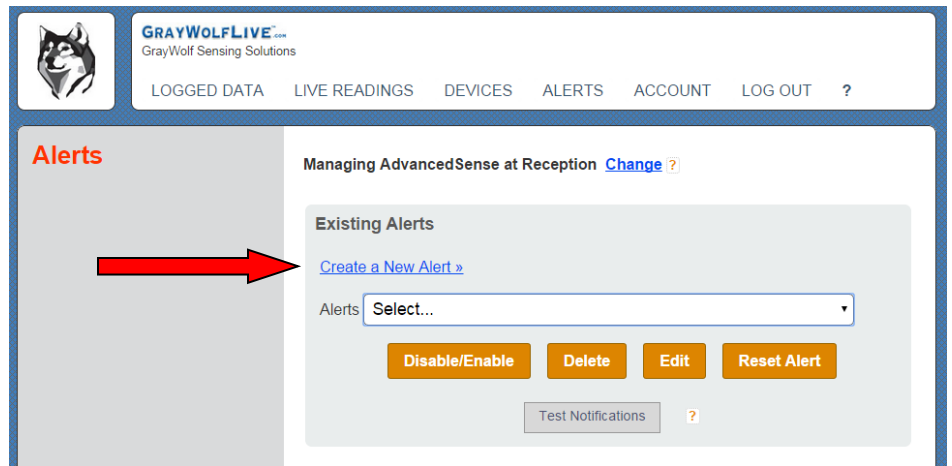


Use the **Create/Edit Alerts** button from the Alerts View to create or modify alerts. If you have multiple devices registered to your account, you will be prompted to select the device you wish to set the alert on.

From the Alert Management screen, you can disable, edit and delete alerts. You can also reset the alert which resets the average buffer and also clears the last time sent for an alert (useful if you have set an alert to only be issued one time and you want it to repeat).

Use the **Create a New Alert Link** to create a new Alert.

The details window will be displayed and you can enter and/or edit details about the alert.



1. Select an Alert Type

Definitions and descriptions of Alerts:

- a. **Live Reading Exceeds/Under** – if a single live reading exceeds or is under the Set Point, an Alert is issued. **See Important Note* Below.**
- b. **15/30 minute or 1-hour Average Exceeds/Under** – Live readings are averaged over the specified interval and the Alert condition is evaluated.. **See IMPORTANT NOTE* below.**
- c. **8-Hr TWA Exceeds/Under** – The 8-Hr TWA is calculated by adding 8 hours of 15-minute averages and then dividing by 8 hours ($4 * 15 \text{ mins} = 1 \text{ hr} * 8 \text{ hours} = 32 \text{ segments}$). Segments not yet calculated are computed as zero for intermediate result display. The 8-Hr TWA is not considered until 100% of the segments have been collected. The 15-minute average segments are computed in the same way as standard average. **See IMPORTANT NOTE* below.**

Details

Alert Type ▼
Live Reading alerts are processed every time a device checks in with GrayWolfLive. If the live value is over or under the SET POINT, an alert is issued. Average alerts use standard averaging and are not evaluated until there is enough data for an average. Time Weighted Averages (TWA) use a standard zero-weighting method for calculations and are evaluated every time a device checks in.

Parameter ▼

Alert Set Point *

Email Subject

Email Message
Device name, parameter and value are appended to message.

Email Addresses
Enter up to 10 emails separated by commas. Leave blank for no email alerts.

SMS message
(OPTIONAL) 100 chars max (Device name, parameter and value appended to message)

Phone numbers
(OPTIONAL) List up to 5 phone numbers separated by commas (use + and country code for international)

Repeat alert ▼
The REPEAT ALERT value determines how often an alert is re-issued if the conditions continue to cause the alert. *

* IMPORTANT NOTE: HOW ALERTS ARE EVALUATED

Devices update GrayWolfLive approximately once per minute with a single set of live readings. If a parameter exceeds the set point in the period between updates and returns below the set point before the next update, an alert on Live Readings will NOT be issued. Alerts on averages are calculated from the same live readings so transient spikes may also be excluded from the average calculation. For this reason, the alerts function should not be used for personal safety.

- d. **LEED 4 (2016) Alert** – The LEED Alert is a special pre-set alert designed to assist with LEED IEQ Credit EQC4 Flush-Out Testing. The alert automatically monitors 5 parameters (CO, VOCs, Formaldehyde, ozone and Particulates, measured with your GrayWolf instruments). If all 4 parameters remain below the maximum threshold values (set by the US Green Building Council) for the prescribed test period of 4 hours, an alert is issued that the requirements for a LEED 3.2 pre-screen have been satisfied. This is useful if you want to be notified once the LEED conditions have been met to know when to collect the instruments. For more information on using alerts for this application, please visit <https://graywolfsensing.com/application->

2. Select Parameter and Units

All parameters and units combinations available on your device are displayed. Certain parameters like Temperature (°C/°F) are always displayed; the remainder are displayed based on the live readings selected on your device. If a parameter is not displayed, make sure it is enabled on the device and allow it to sync to GrayWolfLive.

NOTE: If the unit symbols for a parameter do not match the unit symbol on the device, the alert cannot be processed. You can confirm unit selection via the **LIVE READINGS** screen.

3. Set the Alert Set Point

Enter the value at which to trigger an alert.

4. Set-up Email Notification/SMS Notification:

You must select either SMS or Email (or both). Some accounts may have SMS messages disabled; contact GrayWolf Sales if you need SMS enabled or disabled on your account. salesteam@graywolfsensing.com

a. Set the Email Subject, Message and Addresses

The email message will be appended with information about the parameter, device, set point and current value. Enter a custom message and subject line for the email. You may enter multiple email addresses by separating them with commas.

NOTE: Email alerts from will come from the email address admin@graywolflive.com – please ensure that this email is added to whitelists on spam filters.

b. Set SMS Message and Numbers

The SMS message is appended with information about the parameter, device, set point and current value. Enter multiple SMS numbers by separating the numbers with commas. The + plus sign can be used for international numbers.

NOTE: SMS alerts from GrayWolfLive come from the phone number: **+1 (203) 794-7946** in Connecticut, USA. Please add to your phone book if you wish to enable Caller ID.

5. Select REPEAT ALERT options

As long as the alert condition remains, GrayWolfLive will reissue the alert to all SMS and Email addresses at the selected interval. The issue alert flag may be reset from the Alert Management screen.

6. Select Failure Handling Options

GrayWolfLive will alert you if a failure occurs, such as:

- A device does not check-in with GrayWolfLive to update its readings or status within a reasonable amount of time.
- A user in the field disables a parameter or changes the unit symbol
- A calibration error occurs.

Failure Handling

Fail after ▼
Issue an alert if the conditions could not be evaluated within the specified duration.

Failure message
Message that will be sent upon failure. (Device info is appended to message)

Acknowledgement Alerts Usage Confirmation
By clicking this box you acknowledge the alerts feature on GrayWolfLive is meant to be informational only, for interpretation by an educated professional. It is not intended to be relied upon for use as a personal safety monitor. Every attempt is made to keep the GrayWolfLive system operational, however, network and server outages may cause system downtime during which time alerts cannot be evaluated or issued.

You can select the amount of time that can elapse until a failure alert is issued.

You may also disable the failure alert system (although this is not recommended).

You may enter a failure message. This message will be appended with additional information about the duration of the failure, the device and the unprocessed alert. The failure messages are sent to SMS phone numbers and Email addresses as selected

7. Acknowledgment

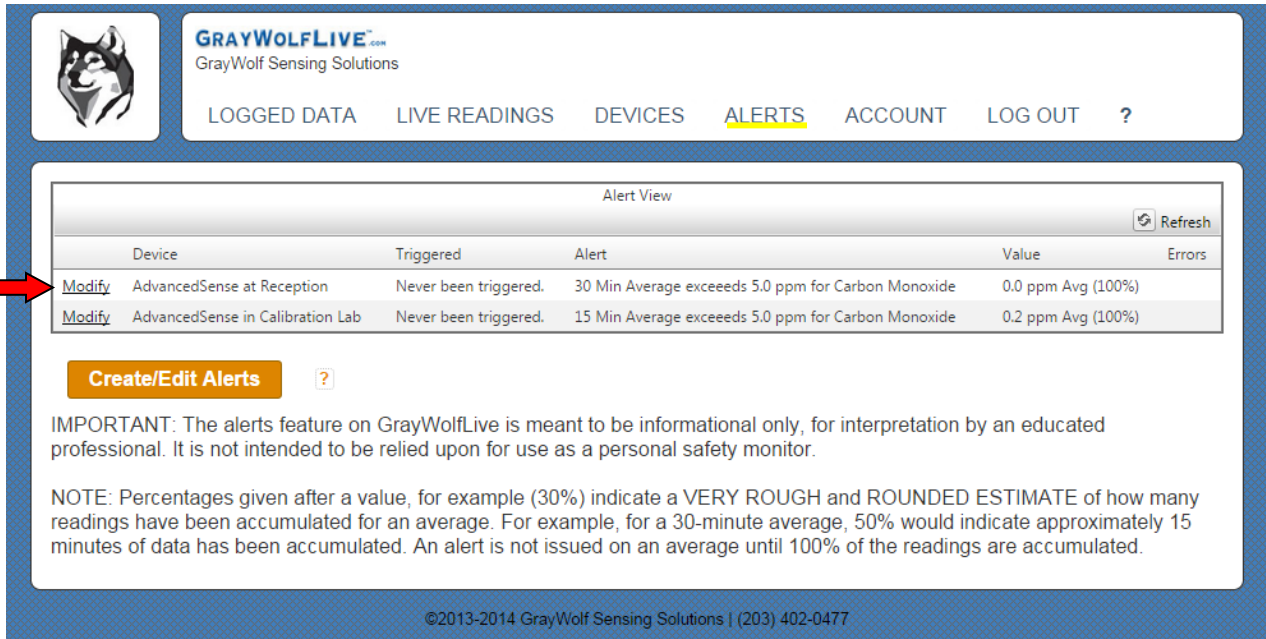
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You must acknowledge this every time you set or modify an alert.

8. Select UPDATE to save and enable the alert.

Once the alert is saved and enabled, evaluation of the alert condition begins immediately.

Managing Alerts



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LOGGED DATA LIVE READINGS DEVICES **ALERTS** ACCOUNT LOG OUT ?

Alert View Refresh

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Modify AdvancedSense in Calibration Lab	Never been triggered.	15 Min Average exceeds 5.0 ppm for Carbon Monoxide	0.2 ppm Avg (100%)	

[Create/Edit Alerts](#) ?

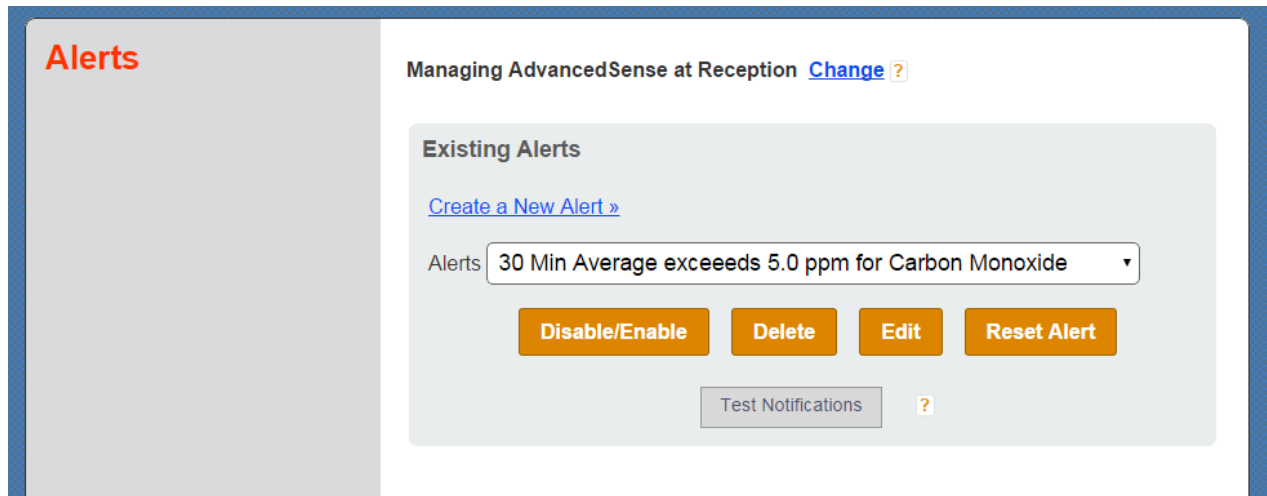
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Select the ALERTS menu to view all alerts active on all of your devices.

Use the MODIFY link to the left of the alert device and description (or press the Create/Edit button) to manage alerts. If you have multiple devices registered to GrayWolfLive, you will need to select the device you wish to manage.



The following options are available from the Alerts management view:

Disable/Enable – Toggles the state of the alert. Disabled alerts are not evaluated or processed and the word (Disabled) will be appended to the end of the alert description. Disabled alerts will not be displayed in the Alerts view. Click the Disable/Enable button to toggle the alert state.

Delete –Deletes the alert.

Edit – To modify the alert. Note, editing alerts will clear averages and alert issue states.

Reset Alert – Clears any averages for average, TWA and LEED alerts. Also resets the REPEAT ALERT – “Send Only Once” condition so the alert may be repeated.

Test Notifications – Sends a test email and/or SMS Text Message to all emails and phone numbers registered for the alert. The alert text is appended with a notice that it is a test alert.