



# Alarm Set-Up



# **A guide to setting up alarms in Live by Invisible Systems**

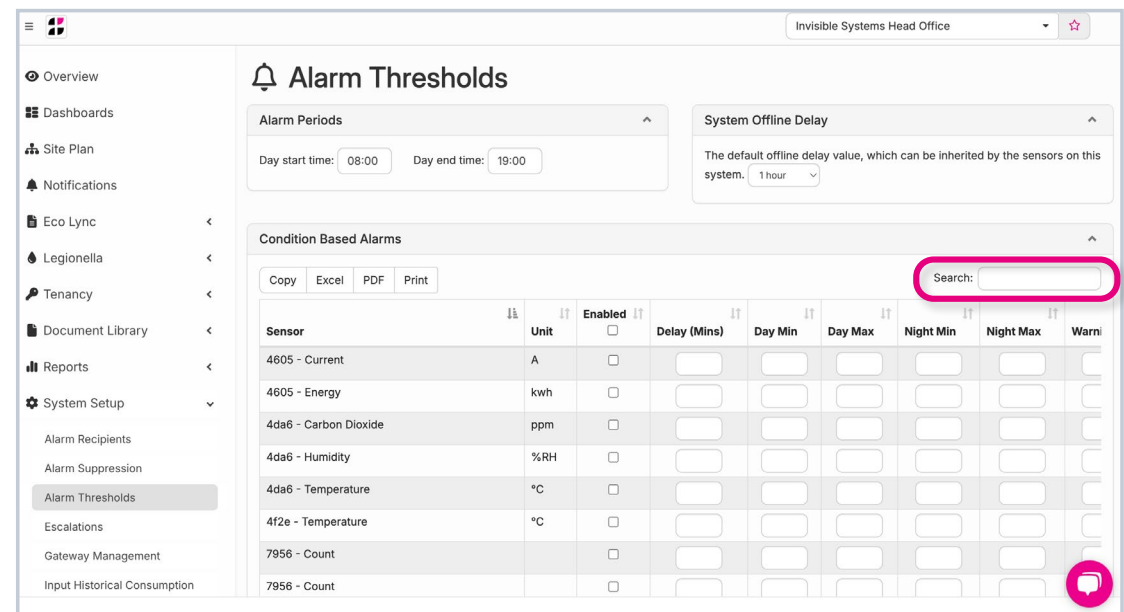
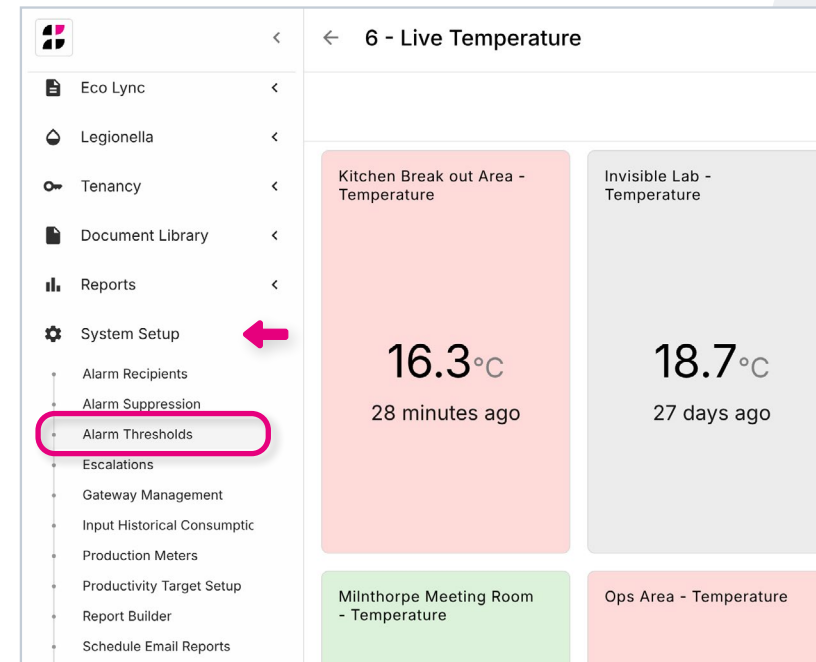
This guide will take you through the steps of adding new alarms in Live by Invisible Systems and editing their details and thresholds.

# Step 1

To set up an alarm for a sensor, **click 'System setup'** from the side menu, then **select 'Alarm thresholds'**.

# Step 2

You'll see a list of all your sensors. To find the sensor that you want to add an alarm to, you can **search for it using the search bar**.



# Step 3

Next to your chosen sensor, you can **set its alarm details and thresholds**.

## You can:

- Choose **'day' start and end times** at the top of the page. 'Night' is classed as anything outside of these hours.
- Set **day and night thresholds**. These are the limits for your sensor - anything outside of these will trigger an alarm.
- Set a **'delay'** - this is how long the reading can stay out of the threshold without raising an alarm. For example, you may decide that if a parameter dips below its minimum threshold for less than 30 minutes, then moves back to a safe level within that time, no alarm is triggered.

Sensor	Unit	Enabled
4605 - Current	A	<input type="checkbox"/>
4605 - Energy	kwh	<input type="checkbox"/>
4da6 - Carbon Dioxide	ppm	<input type="checkbox"/>
4da6 - Humidity	%RH	<input type="checkbox"/>
4da6 - Temperature	°C	<input type="checkbox"/>
4f2e - Temperature	°C	<input type="checkbox"/>
7956 - Count		<input type="checkbox"/>

Unit	Enabled	Delay (Mins)	Day Min	Day Max	Night Min	Night Max	Warning %	Healthy State	Offline Alert
°C	<input checked="" type="checkbox"/>	0	1	8	2	8	0 ?	<input type="checkbox"/>	Off ?
°C	<input checked="" type="checkbox"/>	0	15	25	15	25	?	<input type="checkbox"/>	Off ?
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	?	<input type="checkbox"/>	Off ?
%RH	<input checked="" type="checkbox"/>	0	40	60	20	80	?	<input type="checkbox"/>	Off ?
°C	<input checked="" type="checkbox"/>	0	15	25	15	25	?	<input type="checkbox"/>	Off ?
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	0 ?	<input type="checkbox"/>	Off ?
°C	<input checked="" type="checkbox"/>	0	15	25	10	30	0 ?	<input type="checkbox"/>	Off ?
°C	<input checked="" type="checkbox"/>	0	15	25	15	25	?	<input type="checkbox"/>	Off ?
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	?	<input type="checkbox"/>	Off ?

- You may also choose to **set up warning percentages**. These determine how close a sensor can be to triggering an alarm before sending out warning emails. A warning percentage of 10% would mean that the sensor was very close to setting off an alarm. Once it had reached this level, **warning messages would be sent out** to the relevant people.
- By checking **'Healthy state'**, you allow the system to **automatically remove alarms** once conditions are back within a healthy threshold.
- By **checking 'enabled'**, this alarm is now **saved to the system** and relevant stakeholders will receive emails and alerts should an alarm go off.

Condition Based Alarms

Search:

Unit	Enabled	Delay (Mins)	Day Min	Day Max	Night Min	Night Max	Warning %	Healthy State	Offline Alert
ppm	<input checked="" type="checkbox"/>	<input type="text"/>	200	2000	200	2000	25 ?	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>	<input type="text"/>	200	2000	200	2000	25 ?	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>	<input type="text"/>	200	2000	200	2000	25 ?	<input checked="" type="checkbox"/>	Off
IAQ	<input checked="" type="checkbox"/>	30	0	200	0	200	25 ?	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>	<input type="text"/>	200	2000	200	2000	25 ?	<input checked="" type="checkbox"/>	Inherit
IAQ	<input checked="" type="checkbox"/>	30	0	200	0	200	25 ?	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>	<input type="text"/>	200	2000	200	2000	25 ?	<input checked="" type="checkbox"/>	Inherit
IAQ	<input checked="" type="checkbox"/>	30	0	200	0	200	25 ?	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>	<input type="text"/>	200	2000	200	2000	25 ?	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>	<input type="text"/>	200	2000	200	2000	25 ?	<input checked="" type="checkbox"/>	Inherit
IAQ	<input type="checkbox"/>	30	0	200	0	200	25 ?	<input checked="" type="checkbox"/>	Inherit

System Offline Delay

The default offline delay value, which can be inherited by the sensors on this system. 1 hour

Search:

Unit	Enabled	Delay (Mins)	Day Min	Day Max	Night Min	Night Max	Warning %	Healthy State	Offline Alert
°C	<input checked="" type="checkbox"/>	0	1	8	2	8	0 ?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	?	<input type="checkbox"/>	Off
%RH	<input checked="" type="checkbox"/>	0	40	60	20	80	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	0 ?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	10	30	0 ?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	?	<input type="checkbox"/>	Off

- You also have the option to **generate offline alerts**. These trigger an alarm when you have not received a message from a device with a certain number of hours.

You can **set a default offline time** under the **'System Offline Delay'** section at the top of the page. The time you select here will be used when the value 'Inherit' is selected from the 'Offline Alert' drop-down list.

You can also **choose specific offline times** for each sensor by selecting your desired delay time from this list.

Make sure to **click 'Save all'** after making any changes.

**Alarm Thresholds**

System Offline Delay

The default offline delay value, which can be inherited by the sensors on this system. 1 hour

Condition Based Alarms

Unit	Enabled	Delay (Mins)	Day Min	Day Max	Night Min	Night Max	Warning %	Healthy State	Offline Alert
ppm	<input checked="" type="checkbox"/>		200	2000	200	2000	25	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>		200	2000	200	2000	25	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>		200	2000	200	2000	25	<input checked="" type="checkbox"/>	Off
IAQ	<input checked="" type="checkbox"/>	30	0	200	0	200	25	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>		200	2000	200	2000	25	<input checked="" type="checkbox"/>	Off
IAQ	<input checked="" type="checkbox"/>	30	0	200	0	200	25	<input checked="" type="checkbox"/>	Inherit
ppm	<input checked="" type="checkbox"/>		200	2000	200	2000	25	<input checked="" type="checkbox"/>	Off

%RH	<input checked="" type="checkbox"/>	0	40	60	20	80		<input checked="" type="checkbox"/>	3 hours
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<input checked="" type="checkbox"/>	Inherit
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	0	<input checked="" type="checkbox"/>	Inherit
°C	<input checked="" type="checkbox"/>	0	15	25	10	30	0	<input checked="" type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<input checked="" type="checkbox"/>	1 hour
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input checked="" type="checkbox"/>	Inherit
%RH	<input checked="" type="checkbox"/>	0	15	60	40	60		<input checked="" type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<input checked="" type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input checked="" type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input checked="" type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<input checked="" type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<input checked="" type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input checked="" type="checkbox"/>	Off

Save all

# Step 4

If you wish, you can **export the set-up of your alarms** by clicking the 'PDF' and 'Excel' buttons.

**All changes to sensors and alarms are logged**, so you can track who did what and when. This is especially handy for audits.

To view sensors in different systems, simply **select the relevant system name** from the drop-down list at the top of the page.

Alarm Thresholds

Alarm Periods: Day start time: 08:00 Day end time: 19:00

System Offline Delay: The default offline delay value, which can be inherited by the sensors on this system. 1 hour

Condition Based Alarms

Copy Excel PDF Print

Sensor	Unit	Enabled	Delay (Mins)	Day Min	Day Max	Night Min	Night Max	Warn
4605 - Current	A	<input type="checkbox"/>						
4605 - Energy	kwh	<input type="checkbox"/>						
4da6 - Carbon Dioxide	ppm	<input type="checkbox"/>						
4da6 - Humidity	%RH	<input type="checkbox"/>						
4da6 - Temperature	°C	<input type="checkbox"/>						
4f2e - Temperature	°C	<input type="checkbox"/>						
7956 - Count		<input type="checkbox"/>						
7956 - Count		<input type="checkbox"/>						

Alarm Thresholds

Day start time: 08:00 Day end time: 19:00

System Setup - Sensors

Condition Based Alarms

PDF Print

Sensor	Unit	Enabled	Delay (Mins)	Day Min	Day Max	Night Min	Night Max	Warn
Edge	°C	<input checked="" type="checkbox"/>	0	1	8	2	8	
Room	°C	<input checked="" type="checkbox"/>	0	15	25	15	25	
Vaccine Fridge	°C	<input checked="" type="checkbox"/>	0	2	8	2	8	

**If you require any additional training, please contact**  
**[help@invisible-systems.com](mailto:help@invisible-systems.com)**

