



How to Manage Alarms in Live by Invisible Systems



A guide to managing alarms in Live by Invisible Systems

This guide will show you how to add, edit and manage your alarms in Live by Invisible Systems.

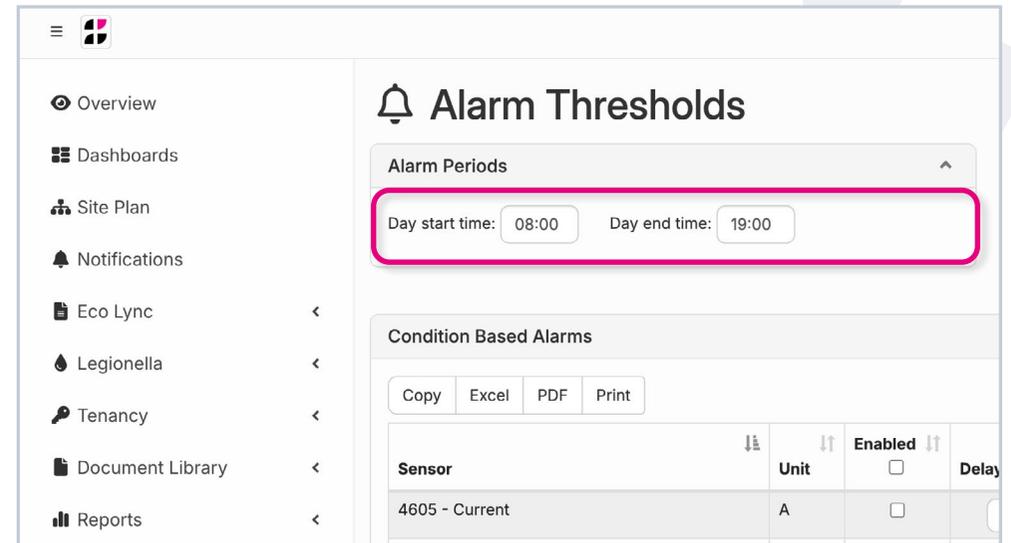


Step 3

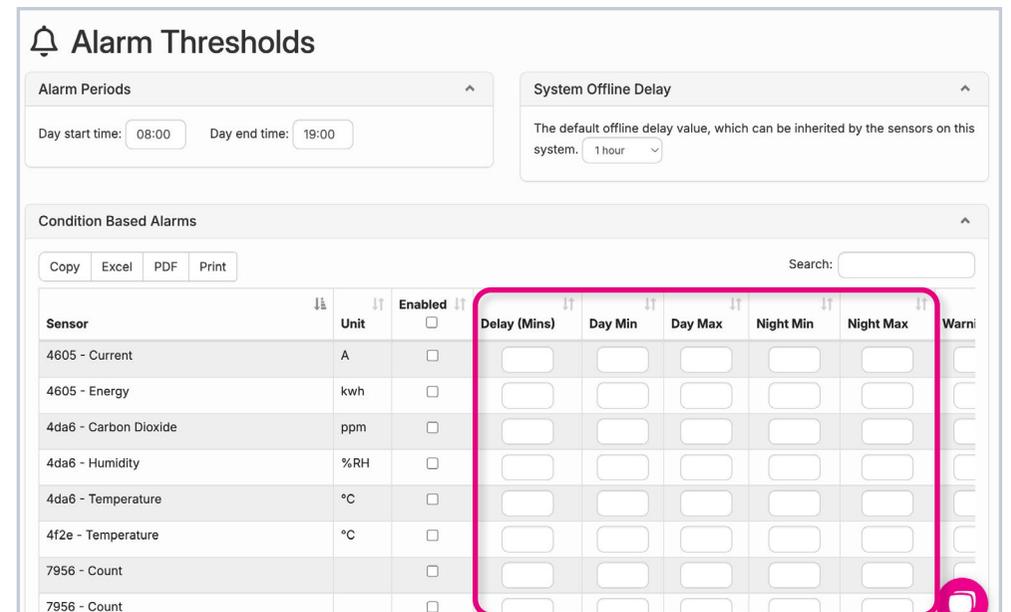
Next to your chosen sensor, you can **set its alarm details and thresholds**.

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.



The screenshot shows the 'Alarm Thresholds' page. The 'Alarm Periods' section is highlighted with a red box, showing 'Day start time: 08:00' and 'Day end time: 19:00'. Below this, the 'Condition Based Alarms' section is visible, featuring a table with columns for Sensor, Unit, Enabled, and Delay. The first row shows '4605 - Current' with Unit 'A' and an unchecked 'Enabled' checkbox.



The screenshot shows the 'Alarm Thresholds' page with the 'Condition Based Alarms' table highlighted. The table has columns for Sensor, Unit, Enabled, Delay (Mins), Day Min, Day Max, Night Min, Night Max, and Warn. The 'Delay (Mins)' column is highlighted with a red box. The table lists several sensors, including '4605 - Current', '4605 - Energy', '4da6 - Carbon Dioxide', '4da6 - Humidity', '4da6 - Temperature', '4f2e - Temperature', '7956 - Count', and '7956 - Count'. The 'Enabled' checkbox for the first row is checked.

- 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.

Alarm Thresholds

Alarm Periods

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

Condition Based Alarms

Search:

Unit	Enabled	Delay (Mins)	Day Min	Day Max	Night Min	Night Max	Warning %	Healthy State	Offline Alert
A	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				
kwh	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				
ppm	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				
%RH	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				
°C	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				
°C	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				
	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				
	<input type="checkbox"/>	<input type="text"/>	<input type="text" value="0"/> ?	<input type="checkbox"/>	Off				

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

Search:

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

System Offline Delay

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

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"/>	3 hours
°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"/>	2 hours
%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"/>	Inherit
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	0	<input type="checkbox"/>	2 hours
°C	<input checked="" type="checkbox"/>	0	15	25	10	30	0	<input type="checkbox"/>	3 hours
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<input type="checkbox"/>	6 hours
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input type="checkbox"/>	12 hours
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input type="checkbox"/>	24 hours
°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"/>	3 hours
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<input type="checkbox"/>	Inherit
°C	<input checked="" type="checkbox"/>	0	2	8	2	8	0	<input type="checkbox"/>	Inherit
°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"/>	1 hour
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input type="checkbox"/>	Inherit
%RH	<input checked="" type="checkbox"/>	0	15	60	40	60		<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
°C	<input checked="" type="checkbox"/>	0	2	8	2	8		<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	0	15	25	15	25		<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

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.

The screenshot shows the 'Alarm Thresholds' configuration page. At the top, there are sections for 'Alarm Periods' (Day start time: 08:00, Day end time: 19:00) and 'System Offline Delay' (The default offline delay value, which can be inherited by the sensors on this system. 1 hour). Below these is the 'Condition Based Alarms' section, which contains a table of sensors and their configurations. The 'Copy', 'Excel', 'PDF', and 'Print' buttons are highlighted with a red box. The table has columns for Sensor, Unit, Enabled, Delay (Mins), Day Min, Day Max, Night Min, Night Max, and Warn.

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

The screenshot shows the 'Alarm Thresholds' page with a dropdown menu open for selecting a system. The dropdown is highlighted with a red box and contains the following options: Hospital 1, Clinic 1, Clinic 2, Clinic 3, Hospital 1, and Hospital 2. Below the dropdown, the 'PDF' and 'Print' buttons are visible. The table below the dropdown shows the configuration for various sensors, including 'Edge', 'Room', and 'Vaccine Fridge'.

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

If you require any additional training, please contact
help@invisible-systems.com

