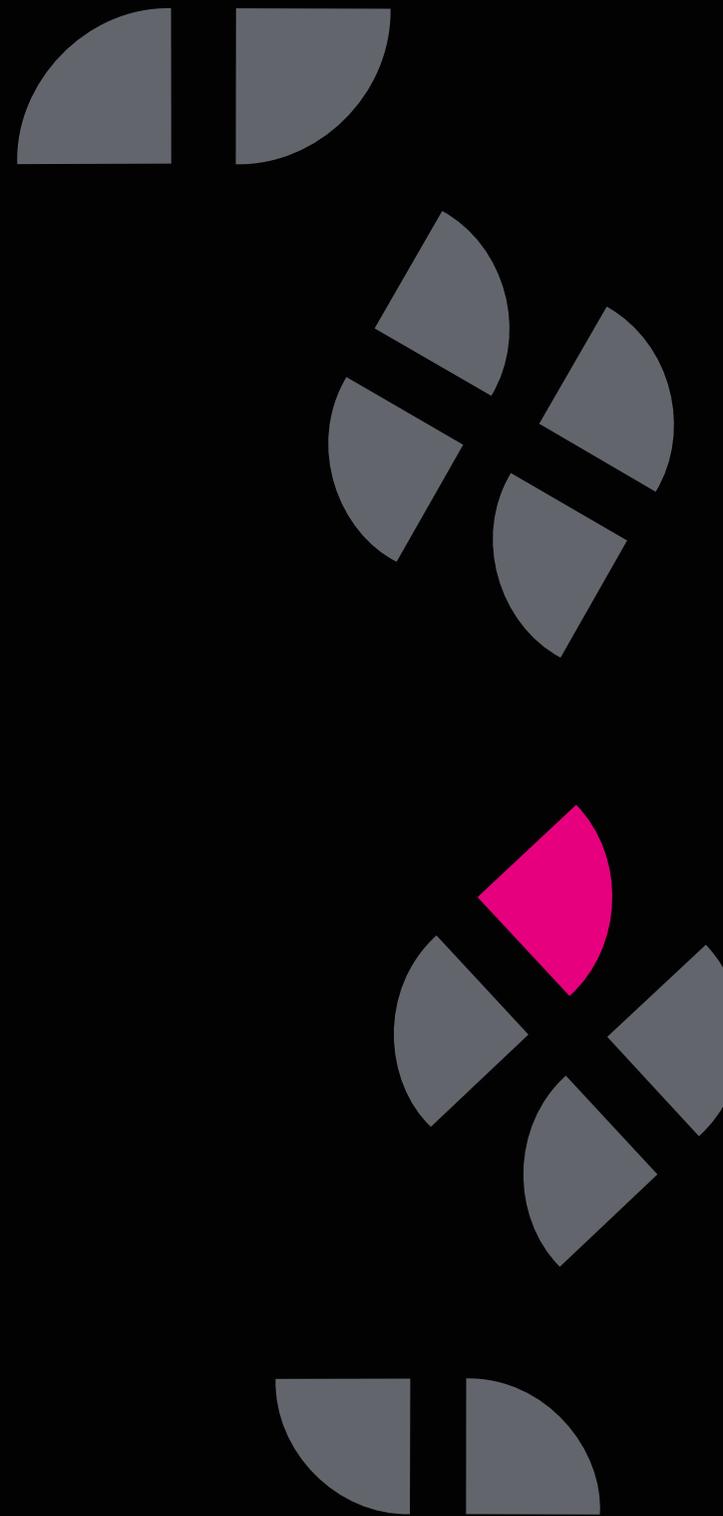




Alarm Set-Up



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

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

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

%RH	<input checked="" type="checkbox"/>	<input type="text"/>	0	40	60	20	80	<input type="text"/>	?	<input type="checkbox"/>	3 hours
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	15	25	15	25	<input type="text"/>	?	<input type="checkbox"/>	Inherit
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	2	8	2	8	0	?	<input type="checkbox"/>	Inherit
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	15	25	10	30	0	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	15	25	15	25	<input type="text"/>	?	<input type="checkbox"/>	1 hour
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	2	8	2	8	<input type="text"/>	?	<input type="checkbox"/>	Inherit
%RH	<input checked="" type="checkbox"/>	<input type="text"/>	0	15	60	40	60	<input type="text"/>	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	15	25	15	25	<input type="text"/>	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	2	8	2	8	<input type="text"/>	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	2	8	2	8	<input type="text"/>	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	15	25	15	25	<input type="text"/>	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	15	25	15	25	<input type="text"/>	?	<input type="checkbox"/>	Off
°C	<input checked="" type="checkbox"/>	<input type="text"/>	0	2	8	2	8	<input type="text"/>	?	<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. The left sidebar contains navigation options like Overview, Dashboards, Site Plan, etc. The main content area has 'Alarm Periods' (Day start time: 08:00, Day end time: 19:00) and 'System Offline Delay' (1 hour). Below is the 'Condition Based Alarms' section with a table of sensors and their thresholds. The 'PDF' button is highlighted with a red box.

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"/>						

The screenshot shows the 'Alarm Thresholds' configuration page with a dropdown menu open for system selection. The dropdown is highlighted with a red box and shows options: Hospital 1, Clinic 1, Clinic 2, Clinic 3, Hospital 1, and Hospital 2. Below the dropdown is a table of sensors and their thresholds. The 'PDF' and 'Print' buttons are visible below the table.

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

If you require any additional training, please contact
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