halveon

REAL TIME LOGGER

INDEX

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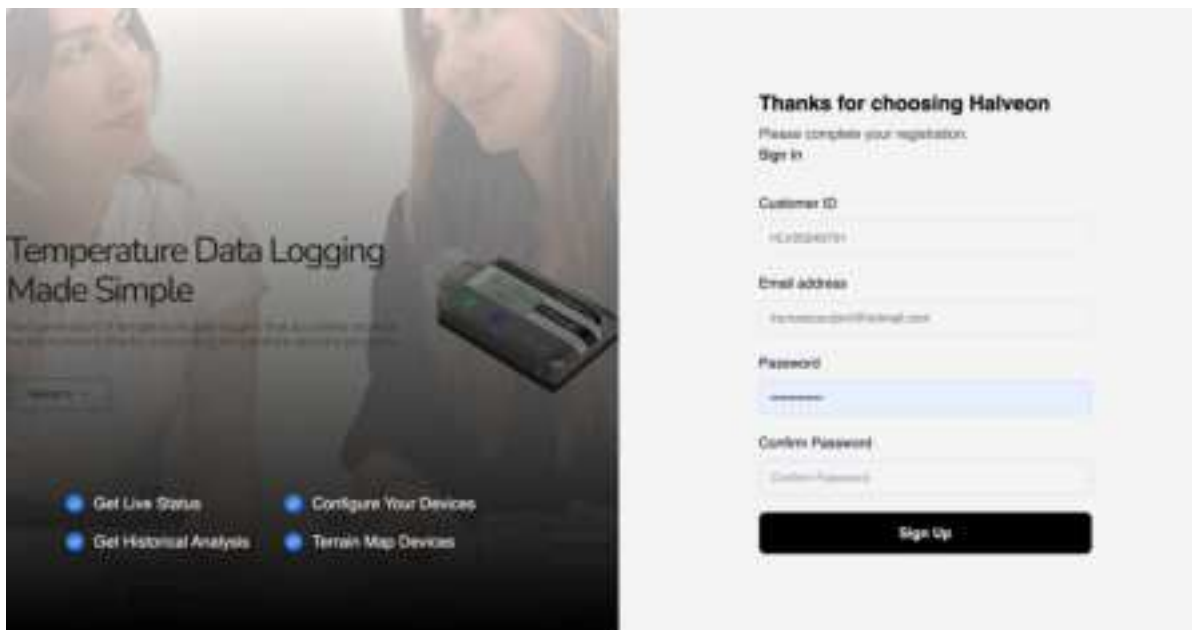
1 Customer Login

- Click on the link in the email received from tech.support@halveon.ch. Use the data provided to you by email to register and change your password.
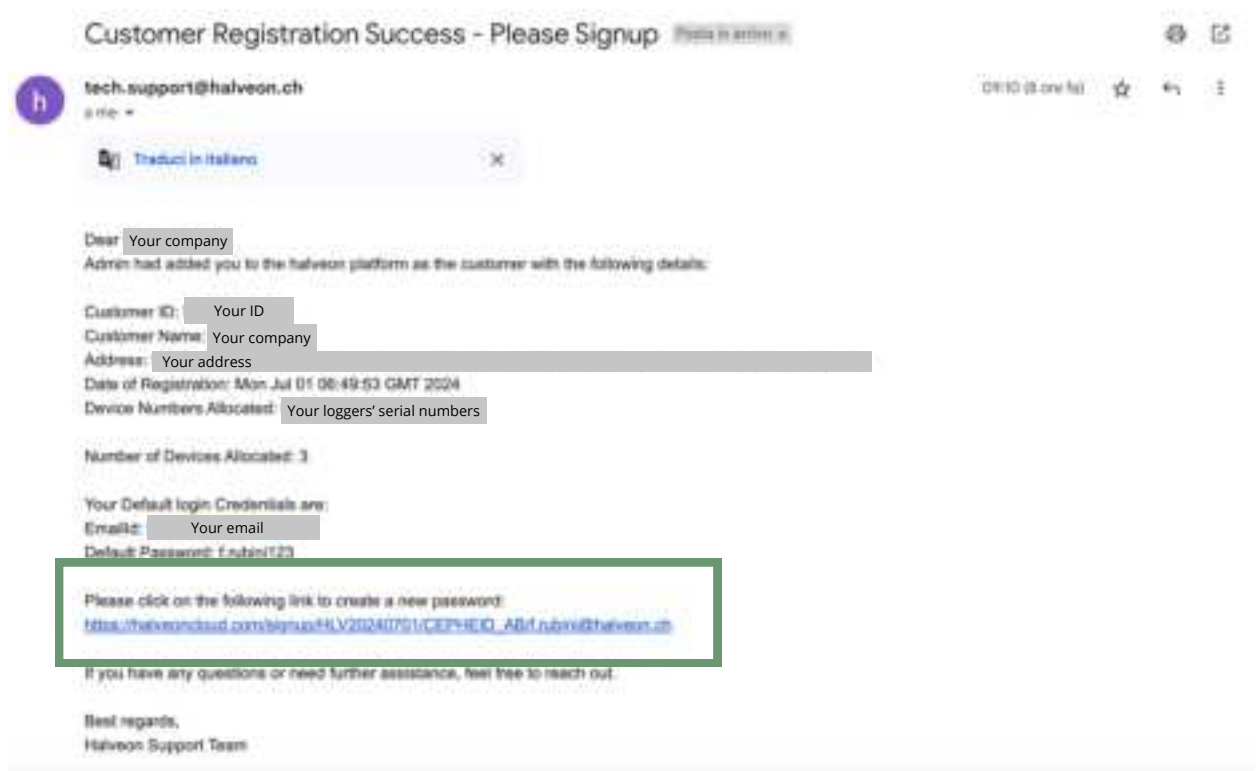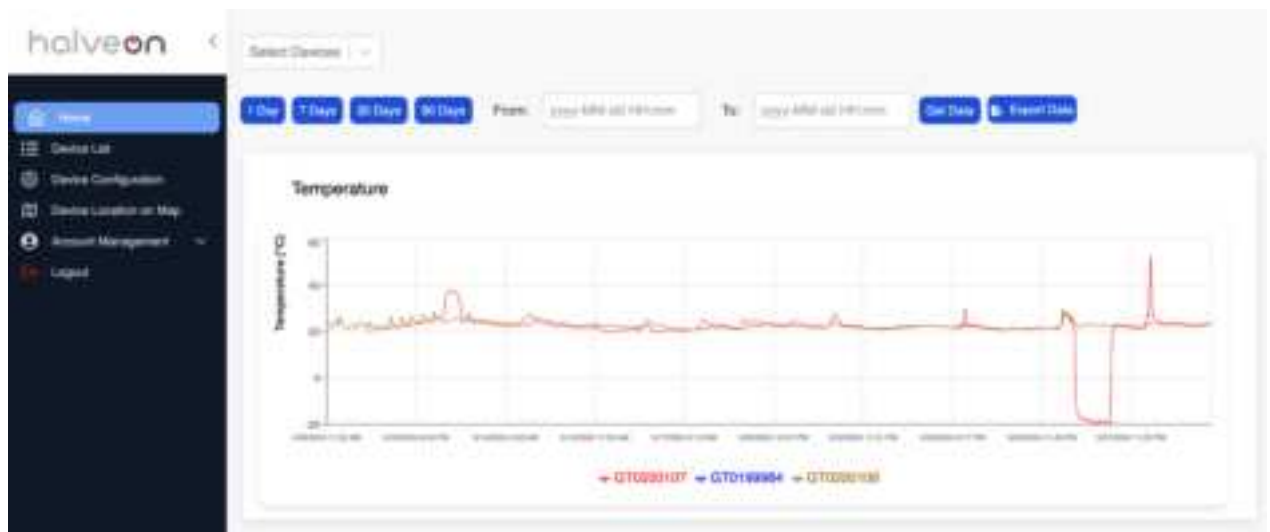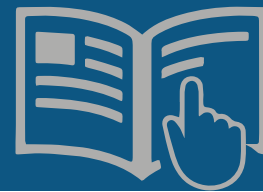
- Upon Registration, you will be automatically redirected to the Sign In page where you will be prompted to enter your email address and password to login to the platform.

2 Home Screen

- On the home screen, you will find a summary of all the devices that have been registered with your company, along with a graph representation of the data associated with each device.

- Once on this page, you have the option to choose a specific device from a drop-down menu: "select devices", then choose the device identification number. Upon selection of the device, detailed temperature and time graphs are displayed that are specifically linked to the chosen unit number.
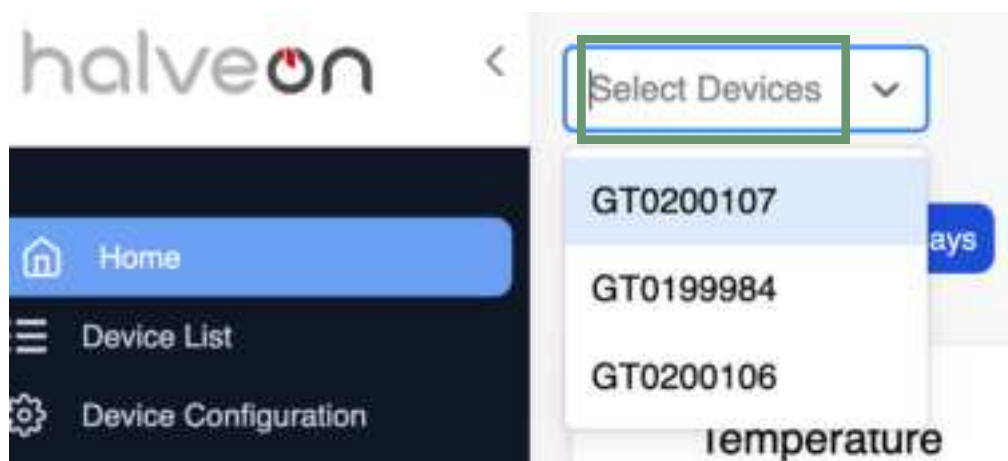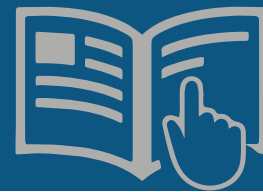
- At the top of the screen there are buttons labeled with different time intervals: 1 day, 7 days, 30 days, and 90 days.
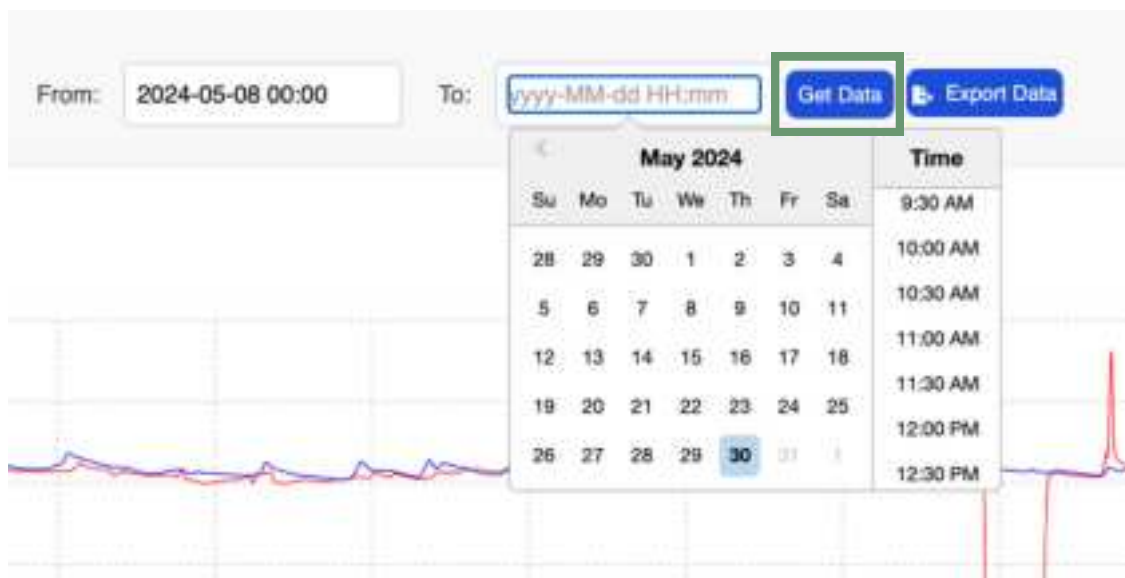- By selecting one of these options, it's then possible to specify your desired time frame for the data analysis. Graphic representations of the data corresponding to the chosen time interval are then displayed for review and analysis.

- If instead it's necessary to select a different time frame that isn't specified in the options, such as a 5-day period, you can select the desired start date (From) and end date (To) from the calendar. After selecting the appropriate dates, you can click the 'Get Data' button to update the graph, which will then display the data only for the selected time frame.

- The "Export data" button allows you to export the data onto a PDF file. Upon clicking the button, then select the device number, select the start date (From) and the end date (To) from the calendar. Choose the export interval that you prefer and then press the 'Export Data' button to generate the PDF file / CSV file / email.

⚠️ **All alarms that occur during transit will be sent to you automatically by email. If you do not receive the notification that an alarm has been set off, it simply means that everything is within range, and you don't have to actively download reports to check.**
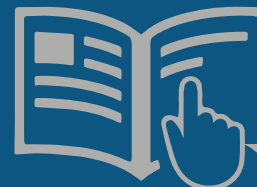
CLOUD USER GUIDE

Report Creation Date: 02.02.2024 10:35:00

Data Logger Information

Customer Name	Custome1, Street No2, Europe		
Device ID	GT2004455	Report Duration	37 Days
From Date	01.02.2024 01:55:30	To Date	08.03.2024 02:55:37

Device Configuration

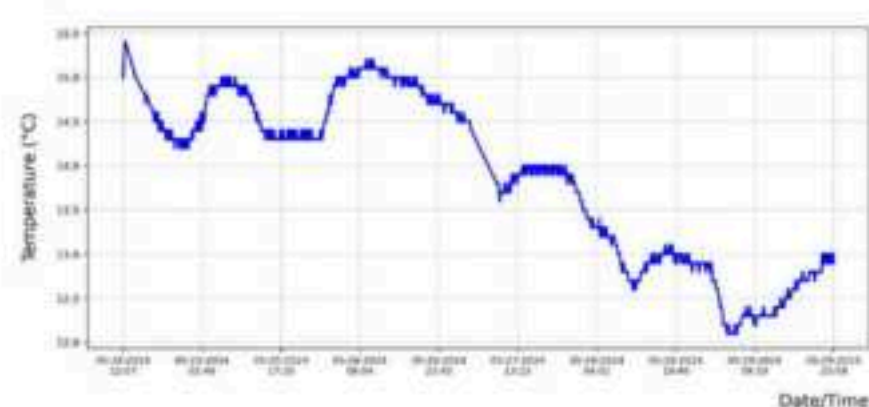| Device Type	Temp and Hum	PDF Export Interval	15 min
Record Interval	5 Minutes	Upload Interval	30 Minutes
Low Power Mode	Yes	Time Zone	CET (UTC+00:00)
Temp Alarm HIGH Limit	25 °C	Hum Alarm HIGH Limit	70%
Temp Alarm LOW Limit	10 °C	Hum Alarm HIGH Limit	50%

Logging Summary

Highest Temperature	21 °C	Device Start Time	25.01.2024 01:55:00
Lowest Temperature	12 °C	Device Stop Time	05.03.2024 02:50:00
Average Temperature	18 °C	Total Data Points	225
Current State	Recording	Battery State	30%

ALARM Events

Alarm1	Alarm Start Time	Alarm End Time	Duration of Alarm
Temperature_High	05.03.2024 13:50:00	05.03.2024 18:50:00	5 hrs
Temperature_Low	06.03.2024 03:25:00	06.03.2024 13:30:00	10 hrs
Alarm2			
Temperature_High	08.03.2024 10:10:00	08.03.2024 18:40:00	8.5 hrs

Graph

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Report Creation Date: 02.02.2024 10:35:00

Data Table

Historical Data For The Device

Date	Time	Temperature
2024-05-29	23:58:40	12.9
2024-05-29	23:23:40	13.0
2024-05-29	22:48:40	12.9
2024-05-29	22:18:39	13.0
2024-05-29	21:44:40	12.8
2024-05-29	21:13:39	13.8
2024-05-29	20:42:40	12.8
2024-05-29	20:12:39	12.8
2024-05-29	19:27:40	12.8
2024-05-29	18:42:40	12.7
2024-05-29	17:58:40	12.7
2024-05-29	17:28:40	12.7

- The coloured donuts represent the device statistics, showing the number of devices offline, online, with active alarms, battery alarms and other parameters.
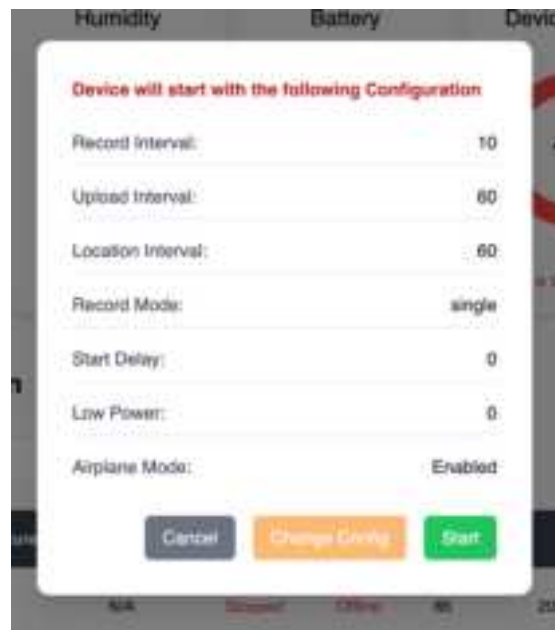

- In the table below, you can see the current device status, including the network state and status indicators.
- Here you also have the option to **stop** and **start** the logger.

3 Device list

- In the table below, you are able to see the current device status at a glance, which includes the device network status, and status indicators such as: 1. whether the device is recording or stopped and 2. whether it is online or offline.

- After clicking on any device, you will be directed to a dedicated page, specifically tailored to that device. Showing the current temperature, number of alarms, current battery status and recorded temperature in a graph.
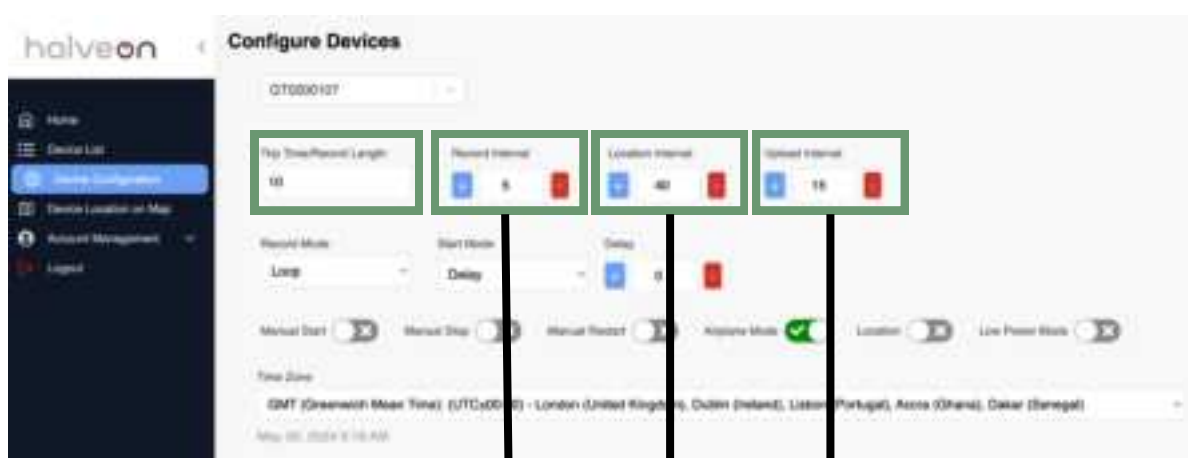
- This page displays the data for the selected device in a tabular format, allowing you to review the information and status, in an easy and accessible manner.
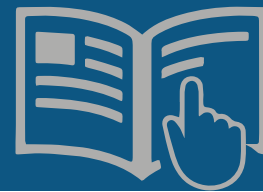
4 Device configuration

- In this section, you have the ability to configure the settings for each individual device. You will be able to customise the following parameters:

- **Record Interval**: This setting defines how frequently the device will read temperature and humidity data. For example, if set to 5 minutes, the device will record temperature and humidity readings every 5 minutes.

- **Location Interval**: This parameter specifies the time interval between geolocation readings recorded by the device. It's important to note that the location interval must be twice as long as the upload interval. For example, if the upload interval is set to 10 minutes, the location interval should be set to at least 20 minutes. This ensures that the device captures geolocation data effectively without overwhelming the system with frequent updates

- **Upload Interval**: This parameter determines the time interval in minutes, at which the device will communicate data samples to the cloud platform. For instance, if set to 15 minutes, the device will upload data to the cloud every 15 minutes.

⚠️ **The upload interval does not need to be frequent, as it will deplete the battery more quickly. In the event that the logger goes out of temperature range, it will send a notification automatically to your email.**
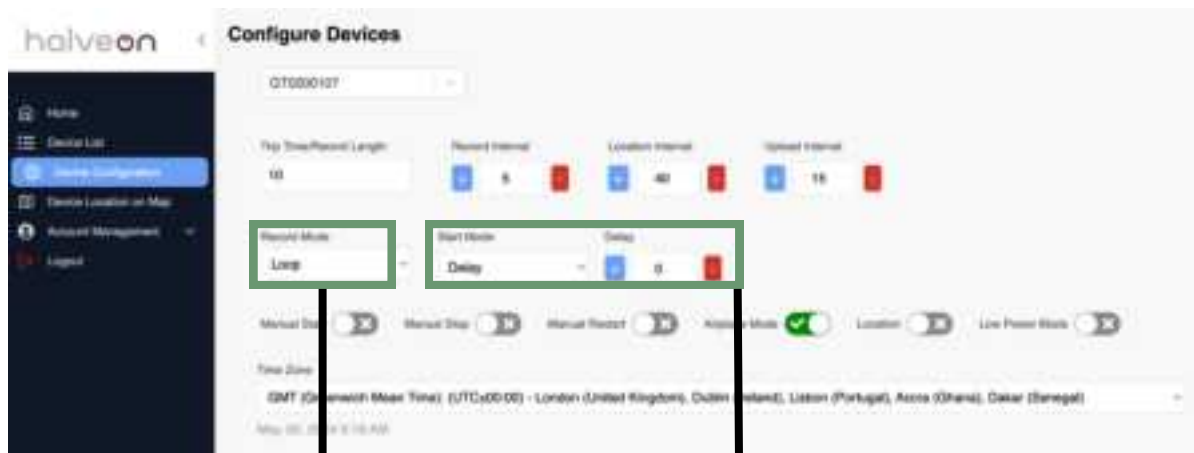
- **Record mode**:

Multi-Use Model: You have the option to choose between "Loop" and "Single" modes. In "Loop" mode, the logger will automatically start a new recording cycle once the current cycle is complete. In "Single" mode, the logger will stop recording at the end of the cycle and will require manual intervention to start again.

Single-Use Model: Only the "Single" mode is available. The logger will stop recording at the end of the cycle and cannot be restarted.

- **Start mode**: If you select the start delay option, the logger will begin recording only after the set delay time has elapsed following its activation.

- **Manual start**: If you activate the manual start option, you will need to press the start button on the hardware, until "REC" appears on the screen. If this option is disabled, you must start and stop the logger from the cloud (please refer to Section 2).

- **Manual stop**: Similarly to "Manual start", if you activate the manual stop option, you will need to press the stop button within the hardware.

- **Manual restart**: ONLY FOR MULTI USE MODEL. If you activate the manual restart option and the logger is not in loop mode, you will need to manually restart the logger from the hardware by pressing the start button once a recording cycle is complete. Conversely, if this option is not activated, you will need to restart the logger from the cloud after it finishes recording.

- **Low power mode**: Activate this option to conserve battery by disabling non crucial features that have the greatest impact on battery consumption.

- **Location** : If the location parameter is enabled, you will be able to view the logger's location on the map, updated according to the location interval you have previously selected.

- **Airplane mode**: If the loggers are to be transported by plane, please activate airplane mode. During airplane mode, **the logger will continue to record data**; however, the SIM card service will be deactivated for the duration of the flight. Once the logger exits airplane mode, the recorded data from that period will be available for review.

- Here you can also program alarms for each device and configure the following parameters:
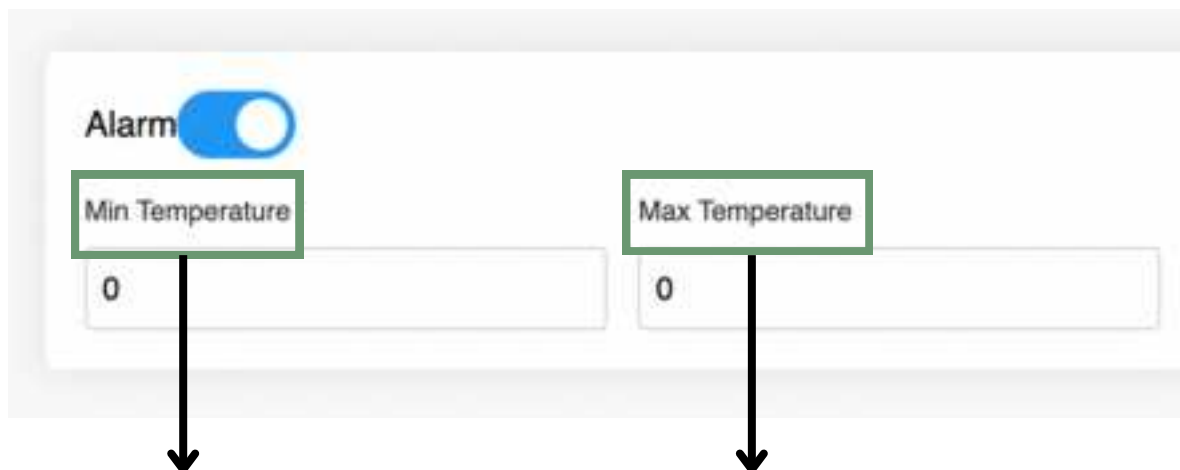
- **Min Temperature**: This value establishes the minimum temperature threshold. If the device records temperatures below this limit, it initiates an alarm message to the cloud platform. The platform then sends an email notification to the customer regarding the alarm condition.

- **Max Temperature**: This value sets the maximum temperature threshold. If the device records temperatures above this limit, it triggers an alarm message to the cloud platform. Subsequently, the platform sends an email notification to the user about the alarm condition.

- The same steps are applicable for Humidity - if the logger is TH (Temperature and Humidity).

- To comply with aviation regulations, the logger should enter flight mode when the shipment is in flight or air cargo. To achieve this, you can program the logger to start flight mode based on the departure and arrival airports, as well as the flight duration between them. During flight mode, communication is turned off to meet regulations, but the logger continues to monitor temperature and humidity, storing the data internally. Upon completion of the trip, the logger automatically reconnects to the cloud and transmits all the data captured during flight mode.
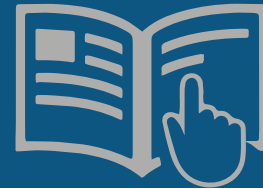
1. Select Departure Details:

- **From Country**: Use the dropdown menu to select the country of departure.
- **From Airport**: Use the search box to find and select the departure airport.
- **Radius (from)**: Adjust the radius around the departure airport using the '+' and '-' buttons. This sets the range for the initial position where the logger is going to enter airplane mode.
- **Flight Duration (Min)**: Set the flight duration in minutes using the '+' and '-' buttons.

2. Select Arrival Details:

- **To Country**: Use the dropdown menu to select the destination country.
- **To Airport**: Use the search box to find and select the arrival airport.
- **Radius (to)**: Adjust the radius around the arrival airport using the '+' and '-' buttons. This sets the range for the final position, where the logger is going to exit airplane mode.
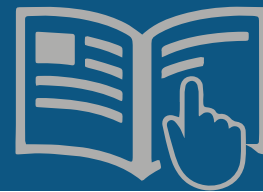
3. Manage Flights:

- To add another flight, click on the "Add Another Flight" button. This will create a new flight entry.

- To remove a flight, click on the "Remove Flight" button next to the respective flight entry.

4. Confirm Configuration:

- Once all flight details are entered, click on the "Confirm Flights" button to save and confirm the flight configurations.
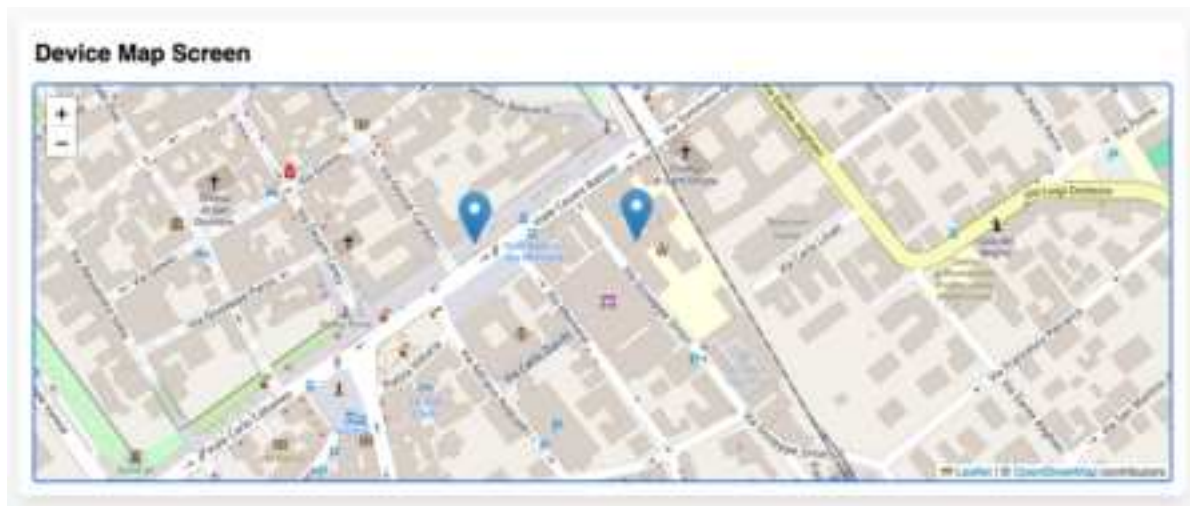
5 Device location on map

- You can use the zoom option in order to be able to see the location with more accuracy

Device Map Screen

- By clicking on any device you will be able to see the following information: address, device ID, temperature, latest time stamp (the last time the logger registered its location according to the configuration in section 2), status and battery.

Device Map Screen

6 Account management

- In the account management section you will be able to change your account information to access the platform:

- Additionally, you will be able to add or delete devices

Thanks for choosing
Halveon Real-Time
data loggers for your
temperature monitoring
needs