

SenseAnywhere Installation Guide

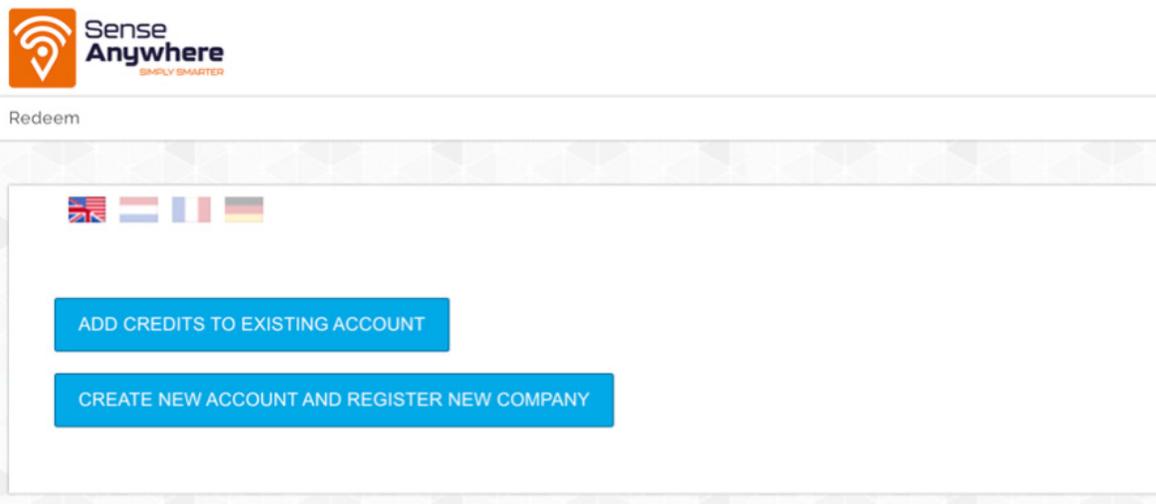


Registration and Install Procedure:

If setting up an account up for the first time, please follow Step 1. Otherwise, log in to your account and skip to Step 2. If account exists and an AccessPoint is registered, skip to Step 4.

1. Registering your SenseAnywhere account for the first time

- A. For every new customer you receive a prepaid card that contains a pin code. Please locate this card and enter the pin code here: <https://www.saclient.com/redeem>
 - a. You should see a screen that looks like the image below.
 - b. If you are a new SenseAnywhere customer and you are not registered click on the **“Create New Account and Register New Company.”**



- c. Next, below is the screen where you decide what Company Name you would like your account to be registered under. You will also enter your pin code.

Register Company

Company Name*

Pin*

SUBMIT

2. Already registered SenseAnywhere account

- A. If you are already registered as an organization, please confirm your login credentials with your internal representative in charge of the account to add additional devices. You can request this internal representative add you as a user if needed.
 - a. Login to your cloud account here: <https://www.sacient.com>

3. Register and install your Indoor AccessPoint

- A. Register your Indoor AccessPoint within your SenseAnywhere Cloud account under **Management > Register Device**.
 - a. You will need the device serial number located on the back of the Indoor AccessPoint.



- b. Once registered, it will appear in your list of devices on your home page.
- c. To edit the name and location, go to **Management > AccessPoint** select the pencil icon, then edit and save.

VIDEO: Installing the AccessPoint tutorial**B. Connect your AccessPoint:**

- a. Locate a spot near the freezer(s) with the sensors The Indoor Access Point can have a range of 600m (1968ft) using ISM P2P radio frequencies: 915MHz (North America/Western Hemisphere).
- b. Plug the AccessPoint (white box) into an AC wall outlet.
- c. Connect the AccessPoint to an available active Ethernet plug.



- d. Lights will turn red, then green. Green means the AccessPoint is connected to the SenseAnywhere Cloud.



TIP: Indoor AccessPoint Location

Find the right location to install your AccessPoint, keeping the following in mind. The AccessPoint uses radio signals to communicate with the Sensors wirelessly.

To get the best possible reception:

- Place the AccessPoint as close as possible to the location of the loggers.
- If the area that needs to be covered is large, place multiple AccessPoints at different locations in the building/at the site.
- Mount the AccessPoint in a vertical position. There is a keyhole on the back that can be used to hinge the AccessPoint on a screw.
- If the location allows it, hang the AccessPoint in free air suspended by its cables.
- See the AccessPoint as an antenna; actually, the antenna is integrated into the AccessPoint;
- Do not mount the AccessPoint close to or on a metal surface.
- Try to avoid mounting the AccessPoint on concrete walls.
- Try to avoid concrete walls or floors between the AccessPoint and the loggers.
- Try to avoid mounting the AccessPoint on thick wooden beams.
- Try to avoid metal walls or surfaces between the AccessPoint and the loggers. Also, modern window panes with sunscreen protection (a thin metal film) obstruct wireless signals significantly.
- The AccessPoint serves as an antenna of a radio connection. For that reason, the AccessPoint must be placed vertically (it can be upside down if vertical). There is a keyhole on the back that can be used to hinge the AccessPoint on a screw.

Troubleshooting Tip:

If the LED on the AccessPoint does not turn green, you do not have an Internet connection at this moment or your firewall is blocking outgoing TCP/IP connections on port 80. If you have internet access but the AccessPoint does not turn green, you should add the Ethernet MAC address range of the SenseAnywhere AccessPoints (00:21:5B:00:00:00) to (00:21:5B:FF:FF:FF) to the “allow table” in your firewall for outgoing communication. The AccessPoints use only TCP/IP communication over port 80. It is not necessary to open any incoming ports in your firewall.

4. Register and Install your Airosensor

- A. To register the sensor remove it from its holder and locate the serial number on the back.
 - a. **VIDEO: Remove the sensor from its holder**
- B. Register the device under **Management > Register Device** in SenseAnywhere cloud with the serial number.
- C. Install the sensor on the side of the device you would like to monitor.
 - a. The sensor can be secured by removing the cover sheet of the double-sided tape and place the sensor on the surface of the device.
 - b. When the tape sticks, it is impossible to re-align the holder. Press firmly for 10



seconds. The supplied tape should sustain weather influences and cold and hot temperatures within the operation temperature range of the data loggers. The double-sided tape must be installed at temperatures above 0°C.

Sensor Location Tip:

- Signal strength depends on movement, opening, closing doors, etc.
- The AccessPoint serves as an antenna of a radio connection. For that reason, the AccessPoint must be placed vertically (it can be upside down if vertical). There is a keyhole on the back that can be used to hinge the AccessPoint on a screw.
- Location for placing data loggers, in general, the same rules apply as for AccessPoints.
- Place the logger as closely as possible to the location of the AccessPoint.
- Signal strength interference can be avoided by minimizing the number of obstructions between the AccessPoint and the logger.
- Try to avoid mounting the device on a metal surface.
- Try to avoid mounting the datalogger on large bodies of wood or plastic.
- Try to avoid a concrete wall or floor between the AccessPoint and the dataloggers.
- Try to avoid metal walls or surfaces between the AccessPoint and the dataloggers.
- Adding loggers to a metal rack will attenuate the signal. This does not affect the operation or reliability of the logger but may cause the distances of the communication signal to be reduced.
- Try to avoid modern windowpanes with sunscreen protection between the AccessPoint and the loggers.
- When placing the logger in equipment or over long distances, it is recommended to use a logger with an antenna.
- If a logger is close to the AccessPoint (in open areas or during transport), it is recommended to use a logger without an antenna.
- When mounting the device in a metal or shielded cabinet like a refrigerator or freezer, place the logger as closely as possible to the rubber gaskets/seals of the door at the side of the hinges. This way, the logger has the best possibility to communicate through the seals and is not in the way when the door is open and is influenced less by outside air rushing in when the door is opened.

Signal Strength Tip:

It is recommended you check the signal strength of the sensor because once it is mounted it cannot be removed easily. Good signal strength is essential to ensure a maximum lifetime battery and optimal operation of the SenseAnywhere monitoring system.

Checking signal strength

- Log into your account here: <https://www.sacient.com>
- Check the signal strength at **Overview > Data Analysis**.
- Choose on the left-hand sided drop-down menu the desired sensor.
- Choose on the right-hand sided drop-down menu signal strength.
- Click **“GO.”**
- It is recommended to have signal strength above -95 dBm.
- If the signal is weak or bad, you can change the location of the logger /AccessPoint or place an additional AccessPoint.
- Please also refer to the tips for correctly placing loggers and AccessPoints.

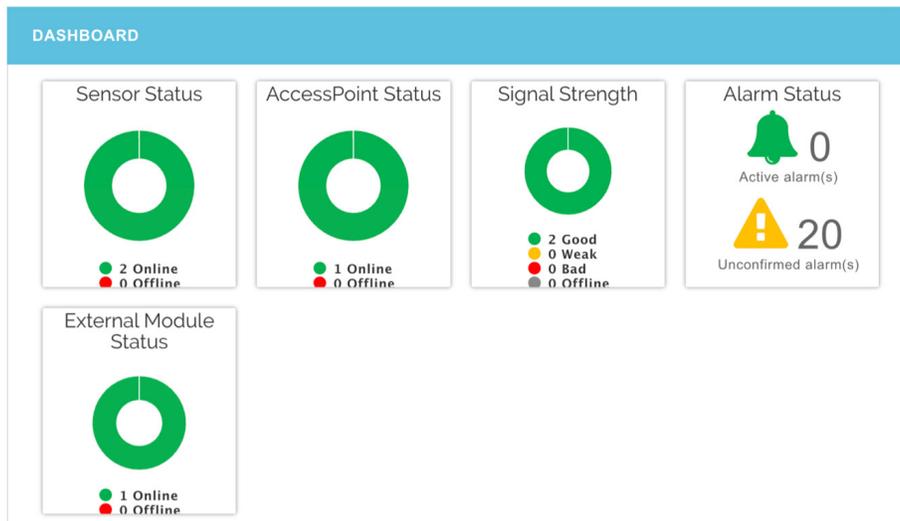
5. Install and Register an External Sensor Module or Probe

- a. Register the sensor under **Management > Register Device** in your SenseAnywhere cloud account.
- b. The serial number for the probe or module should be located on the packaging.
- c. After registering the external probe/module, the settings can be changed under **Management > Sensor**.

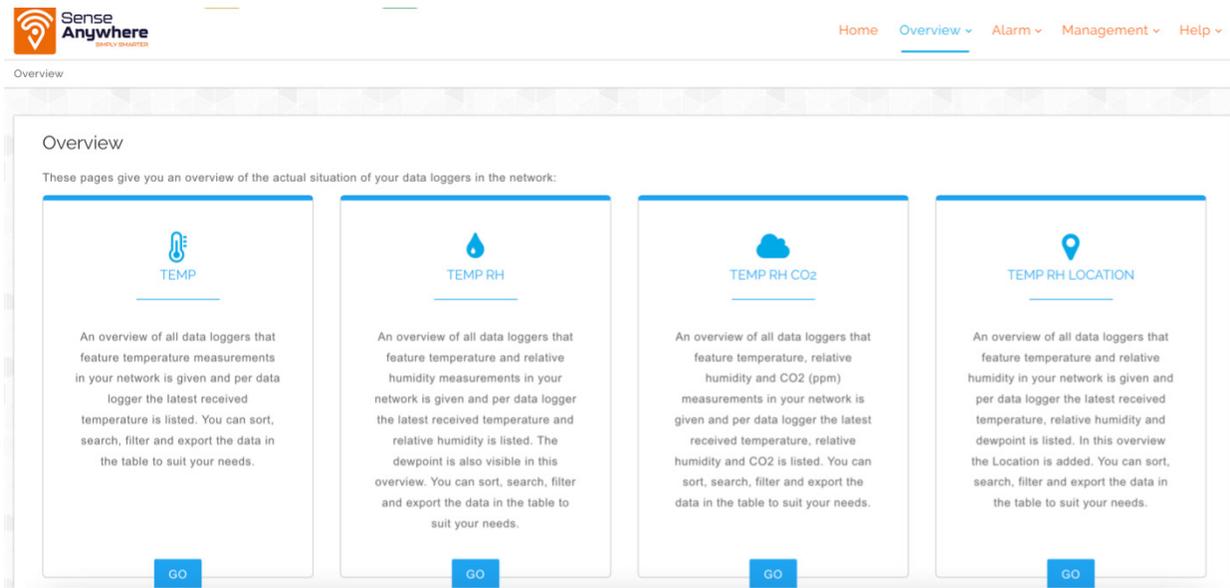


6. Accessing your data in the SenseAnywhere Cloud

- A. Login to your cloud account here: <https://www.sacient.com>
- B. You will have access to a Dashboard that shows the live status and signal of your connected devices.

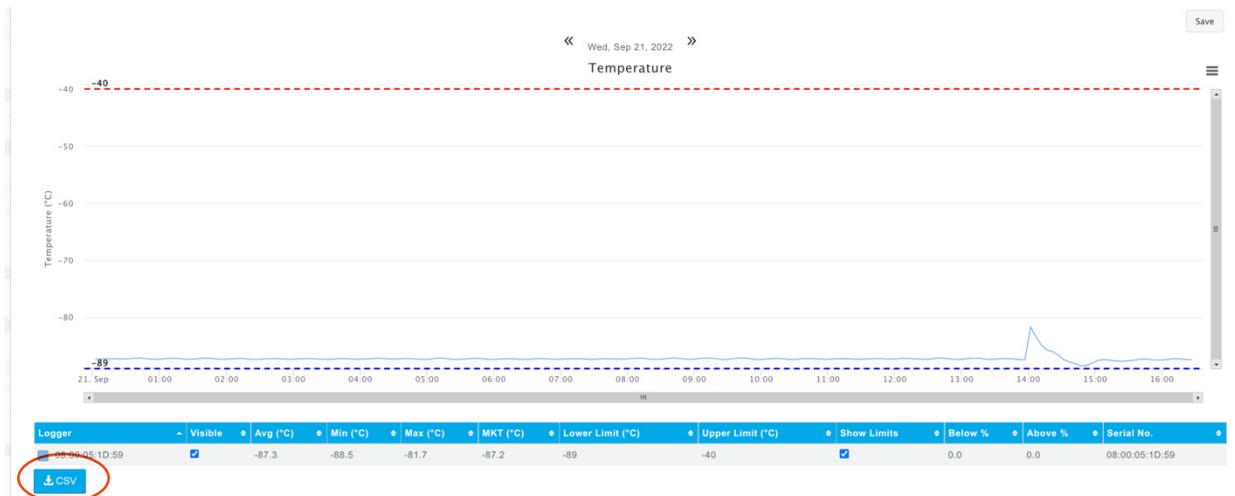


C. You can access data for your sensors under the Overview section.



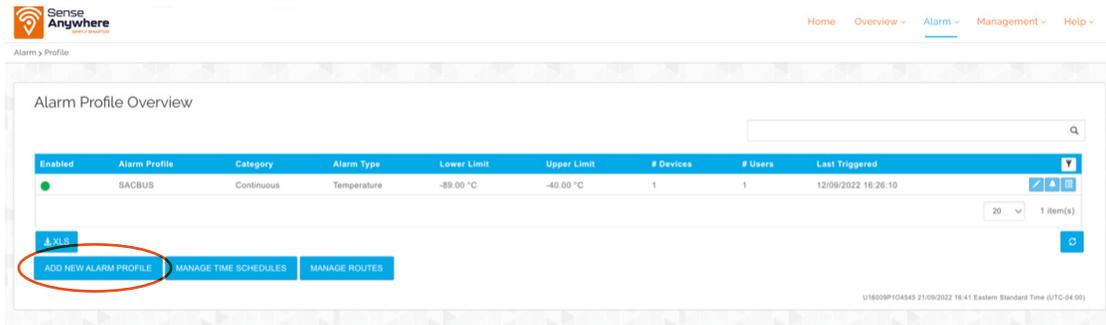
D. Detailed Data also visualized in charts can be accessed under **Overview > Data Analysis**

- a. Choose on the left-hand sided drop-down menu the desired sensor.
- b. Choose on the right-hand sided drop-down menu the desired data.
- c. Click **“GO.”**
- d. Data can also be exported by pressing the **“CSV”** button on the bottom of the page.



7. Setting up alarms

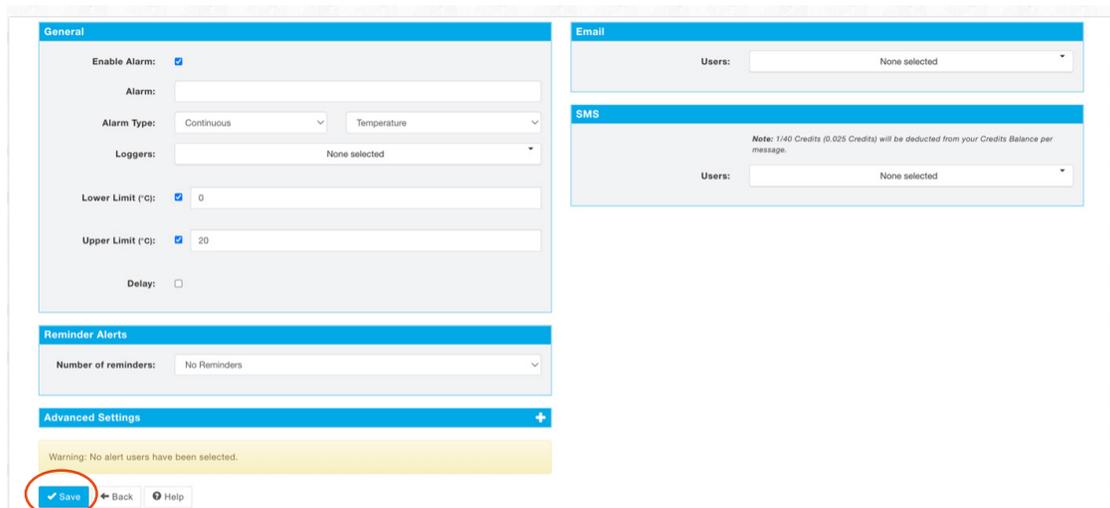
A. You can setup alarm profiles for each of your sensors under **Alarm > Profile**.



B. To set up a new alarm profile for your sensor click on the **Add New Alarm Profile** button at the bottom of the screen.

C. The screen below is where you can customize the title of the alarm, which logger it is for, reminders, and you can assign a specific user in the account to be notified. The users assigned to this alarm can receive an alert via email or SMS based on their preference.

D. Select the **Save button** at the bottom the screen once all these fields are complete.



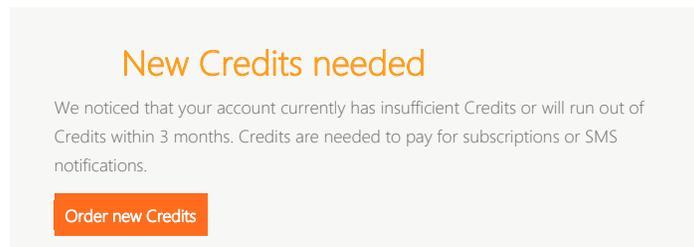
8. Renewing your subscription

A. You will receive a subscription expiration notice via email.

- a. Reach out to your sales representative that you conducted the initial SenseAnywhere purchase and request a quote for your subscription.
- b. The sales representative will process this quote and the credits for your subscription will be added to your account.

9. Recalibrate Probes

- A. It is recommended you recalibrate your probes annually.
- B. You will receive a calibration reminder via email that looks like the image below.
- C. You need to reach out to your sales representative for a quote for a calibration certificate and a probe so that the probe can be swapped out. This probe swap is recommended so that there are no data interruptions during the recalibration.
 - a. This probe swap will occur annually, and you will always have 2 probes on hand for each sensor so that one can be recalibrated while the other is in use.



Dear {Customer Name},

Credits are required to pay for usage of the SenseAnywhere portal (SAClient), the storage of the data of your data loggers and sending SMS notifications. During our weekly Credit balance check we noticed your account currently has insufficient Credits or will run out of Credits within 3 months.

{Customer Name}, Credits needed the upcoming months.

New credits needed:	3
Your Subscription Type:	Enterprise
Current Prepaid Credits:	0.79
Estimated yearly Credits use:*	9

License Renewal**

Expired licenses:	0
Expiring within 1 month:	0
Expiring within 1 to 3 months:	1

* This consists of the annual license fee for loggers, SIM cards and the cost of the total number of text messages sent last year.

** Licenses need to be renewed when the license end date is passed. The license end date is related to the license start date (registration date) and typically is one year later. Depending on the license type and device type Credits are needed to renew a license. For more details, see [Management > Credits](#)

- D. When the probe swap occurs, it is recommended you couple the probe with your Asset Tag so that historical temperature data is not lost and there are no gaps in your data.



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Storage Solutions

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