



# Software Manual Hardware Setup Guide



<https://app.pureairemonitoring.com/>

Powered by [JAS Monitoring](#)



*Manual Version 1.5 June 30, 2025  
CloudConnect Version 0.1.2*

# Table of Contents

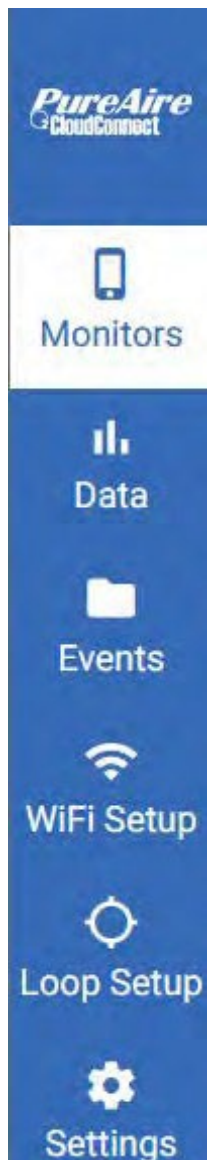
1. Overview .....	1
2. Hardware Wiring & Setup.....	2
3. Connecting to the MPS/EPU .....	8
4. Connecting to a Controller or PLC (updated 12/6/2024) .....	9
5. Installation.....	10
6. Account Setup.....	11
6.1 Join An Existing Organization .....	14
7. View Live Monitor Data.....	11
8. Creating Alerts .....	14
9. Accessing Historical Data .....	17
10. Organizing Historical Data .....	19
11. WiFi Setup Mode .....	20
12. Calibrate Current Loop .....	24
13. Forgot Password .....	27
14. Inviting Coworkers in Settings .....	28
15. Contact Us .....	29

# 1. Overview

CloudConnect is a remote monitoring service that provides a convenient web portal that allows you to track live Monitor status, setup alerts and access historical data. The software is mobile-friendly and accessible from any Internet-connected device with a web browser: including your desktop, tablet, or phone.

The software is organized into several tabs, inside a menu on the left:

*\*\*When using a small screen such as a mobile device, this menu may be hidden. In this case, click the menu icon in the top left, to toggle the main menu\*\**



## **Monitors**

This tab shows a live status overview of your PureAir Monitors, and also allows you to click on individual monitors to view a live graph, or configure alerts.

## **Data**

This tab is a quick interface to view and/or download historical data, which is monitor data collected from any time in the past.

## **Events**

This tab allows you to bookmark frequently accessed historical data, such as data collected during important events.

## **WiFi Setup**

This tab uses browser-based Bluetooth to manage the WiFi networks stored on WiFi monitors.

## **Loop Setup**

This tab uses browser-based Bluetooth to calibrate monitor data coming from a 4-20mA current loop.

## **Settings**

This tab is where you can see the people who have monitoring access, and invite more people to join your company within the software.

The CloudConnect Module is the hardware portion, which connects to a PureAire Monitor and brings all of the Monitor's data into the cloud, allowing for the functionality listed above. The CloudConnect module connected to the O2 Monitor looks like this:



Before logging into the monitoring software, let's get the CloudConnect module all wired up.

## 2. Hardware Wiring & Setup

The CloudConnect module must be connected to a PureAire Monitor for power and collecting Data. Here's how to add the CloudConnect module to your **existing** O2Monitor **OR** if the CloudConnect and Monitor do not include cabling supplied by PureAire. **NOTE: If you are supplying the cable, PureAire recommends 22 AWG cable for up to ~ 1,300' (400m).**

**NOTE:** For PureAire Monitors and CloudConnect Modules that are already connected, please begin the setup process in **Section 3-Installation**.

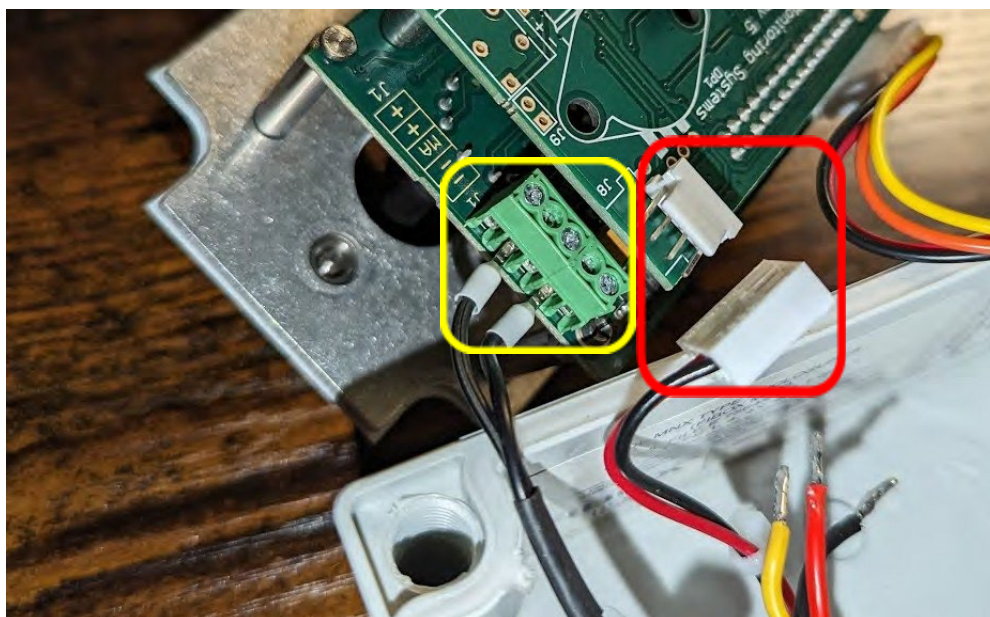
- 1) **Important** - Disconnect the Monitor from the power supply.



- 2) Remove the front cover using a standard phillips head screwdriver on the (4) plastic screws (see yellow). Then, loosen the (2) flathead screws to lift the electronics board out (see red).



- 3) Lift the electronics board out, and locate the following terminal block in your monitor (see yellow). You will need to unplug the alarm horn connector (see red) to gain full access to the terminal block:

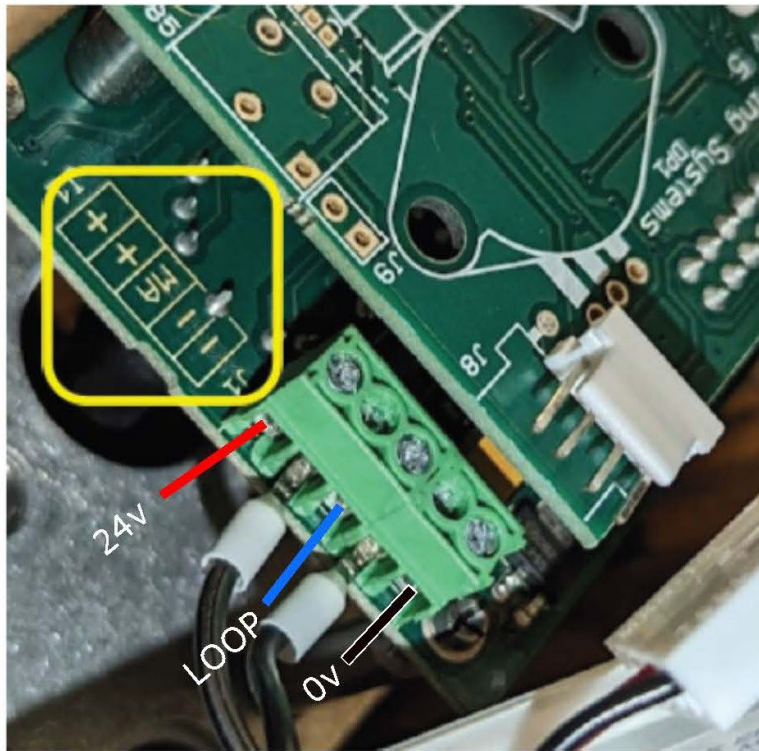


- 4) You will need to unscrew the cord grip on the O2 monitor, and open up the hole. This will allow you to feed the wire from the CloudConnect module through:



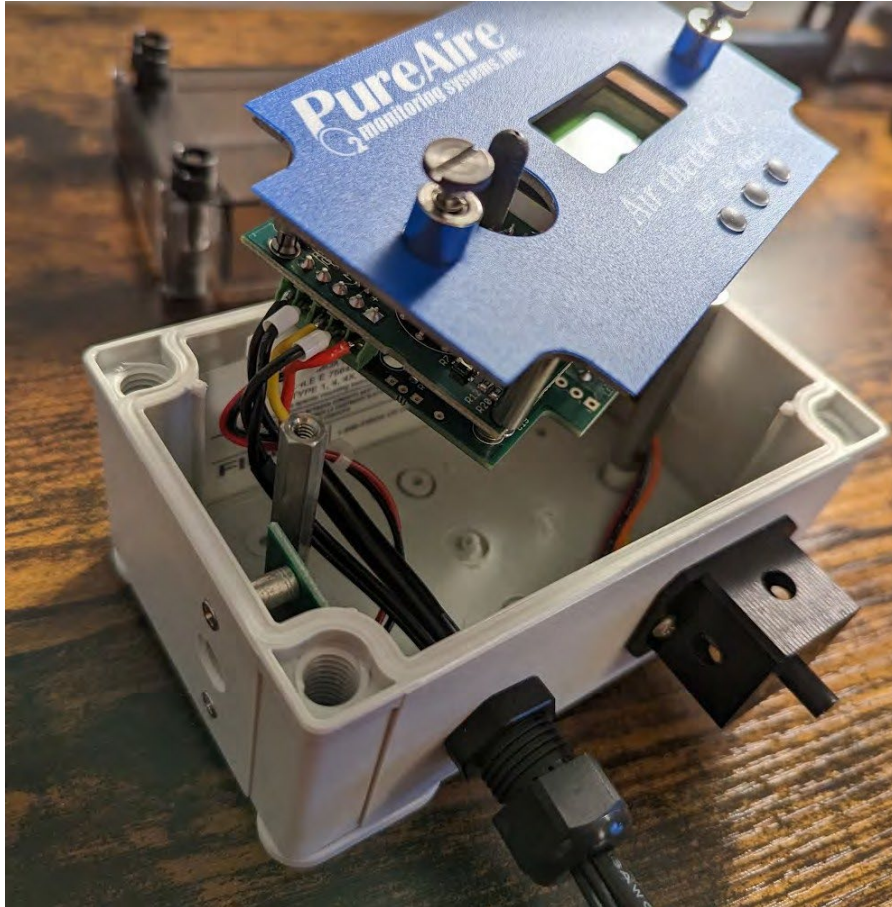
- 5) Feed the 22AWG cable through the cord grip opening, as shown above in Step 4. Do not tighten the cord grip, yet.

6) Once the wires are fed through the cord opening, please see the diagram in the yellow square next to the terminal block. The diagram matches exactly to the terminal block ports. The (+) and (-) ports on the immediate sides of **MA** are already dedicated for the power to the O2 Monitor. Do not use these ports.



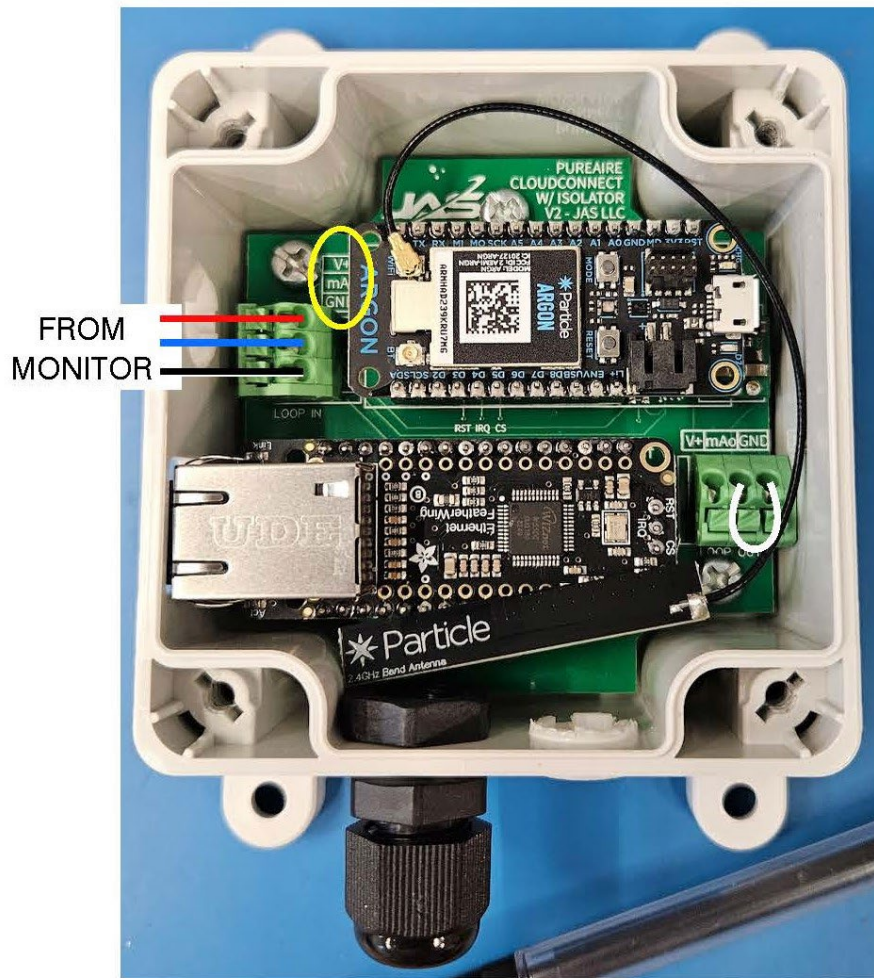
- a) Utilize the remaining (3) open ports to connect the *CloudConnect* wiring shown above in step 5. You will need a small/precision Phillips head screwdriver.
- b) Reconnect the HornAlarm
- c) Reconnect the Power

- 7) With the wires inserted into the terminal block and tightened down, the hardware setup is almost complete. Re-orient the O2 Monitor's electronics board, and begin putting it back into place. You will likely need to back the wire out of the cord grip so there is enough space inside the Monitor:



- 8) Place the electronic board back into position, and hand tighten the (2) flathead screws. Replace the front cover, and hand tighten the (4) Phillips plastic screws. Re-tighten the cord grip.

- 9) Remove the four screws holding the cover on the CloudConnect module, loosen the cord grip, push the wires through the grip, and insert the wires into the terminal block as shown below. Tighten the cord grip, replace the cover, and reinstall the screws.

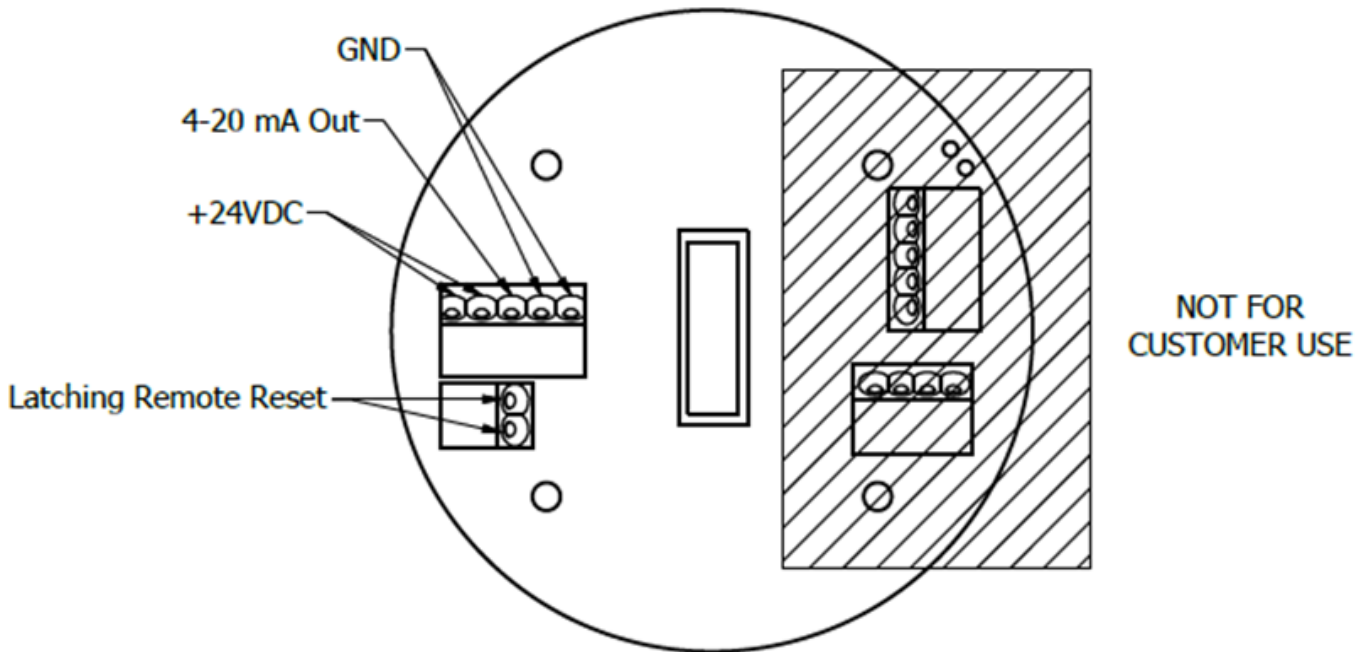


- 10) Hardware setup complete!



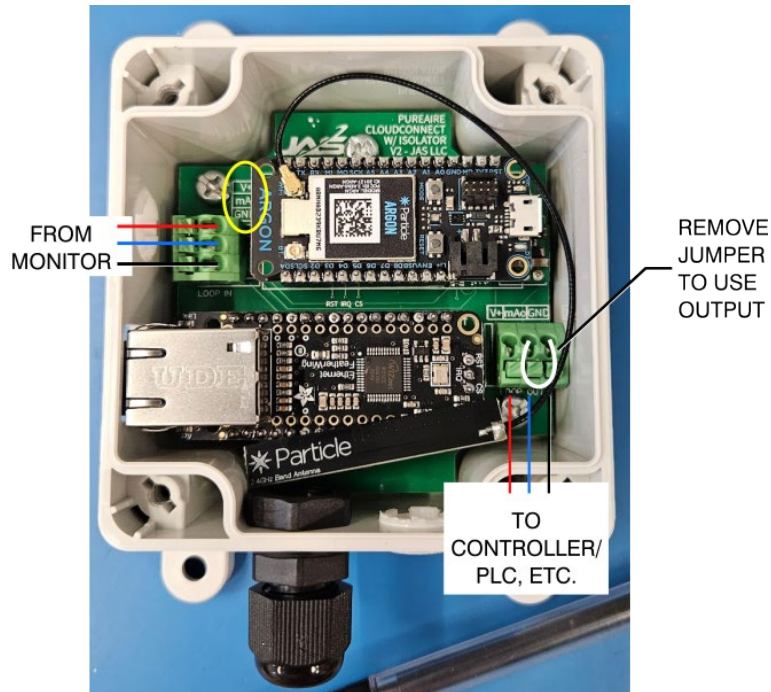
### 3. Connecting to the MPS/EPU

- 1) For instructions on accessing the MPS/EPU, click here for the [MPS/EPU Manual](#)
2. Once you have accessed the unit, please use the diagram below to wire the Monitor to the CloudConnect. The diagram matches exactly to the terminal block ports.
3. Utilize the remaining (3) open ports to connect the CloudConnect. You will need a small/precision flat head screwdriver to push in the wire-release button.

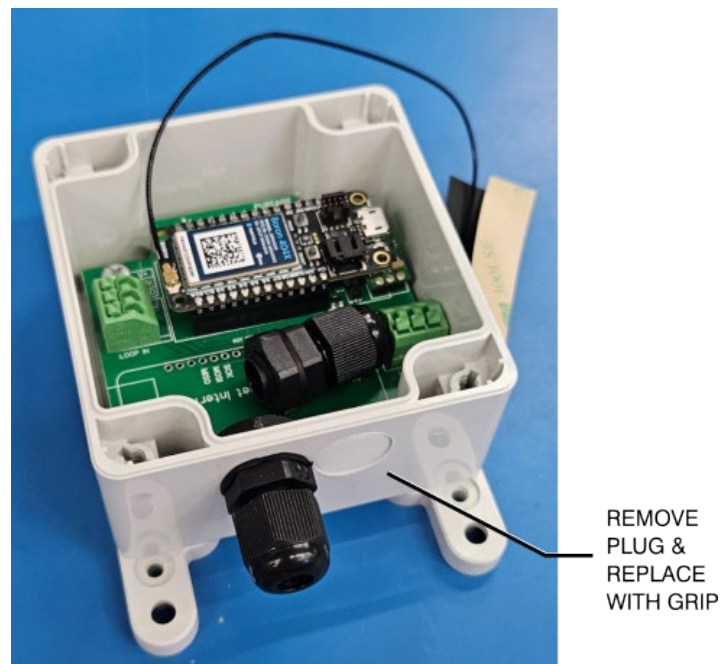


## 4. Connecting to a Controller or PLC (updated 12/6/2024)

When connecting to a controller, PLC, or other hardware, the jumper must be removed, and a cable installed from the CloudConnect to the device.



Remove the hole plug and install the provided cord grip. Loosen the grip portion and push the cable through far enough so that the wires reach the terminals. Tighten the grip portion and strip/insert the wires into the connector.



## 5. Installation

The Monitor and CloudConnect module should be mounted in an area free of vibration and electrical noise or interference. If possible, avoid areas with elevated temperatures or condensing humidity. **PLEASE NOTE:** To ensure uninterrupted service, install the Monitor and CloudConnect module in locations with sufficient signal coverage and minimal interference.

Both the Monitor and the CloudConnect are designed for wall mounting and should be installed at a height convenient for operation, maintenance, and viewing of the instrument display.

The Monitor and CloudConnect module should be installed in locations where gas leaks are likely to occur or where released gases may accumulate. They should be mounted no closer than 12 inches above floor level. Airflow within the monitored area, the characteristics of the gas (lighter or heavier than air), and the position of workstations and personnel should all be considered in determining the most suitable installation location.

For more information on installation, please see the PureAire Product Manual.



Mounting feet can be oriented in any direction and are removable for flush mounting to a wall or other flat surface.

## 6. Account Setup

When buying a PureAire Monitor with the CloudConnect for the first time, PureAire will provide a private link to join your company within the remote monitoring software.

[https://app.pureairemonitoring.com/log\\_in](https://app.pureairemonitoring.com/log_in)

Using the provided link, any employee of your company can create their own account. Each person will become associated with your company and have access to the PureAire Monitors your company has purchased.

*\*\*This link is private, do not share it with anyone else\*\**

- 1) Clicking on the link will take you to the 'Create Account' page.
- 2) Select Create Business Organization to set up a new CloudConnect account. ***Please Note: Create Business Organization is only used if your company does not have an existing CloudConnect account. See section 4.2 for instructions on how to join an existing account.***



### Create Account

Does your business already have an organization?

#### Join Existing Organization



Choose this option to join an existing business organization, by providing the organization ID & Key.

#### Create Business Organization



Choose this option to create a new business organization, then optionally invite your co-workers

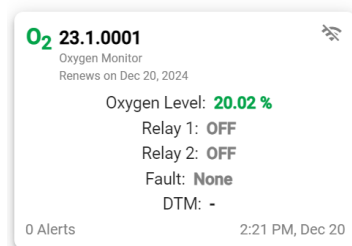
Already have an account? [Log In](#)

- 3) You will need to enter the Organization name, the **CloudConnect Serial Number** and **Claim Key Code** provided to you in an email from PureAire Monitoring Systems. You will also be asked to enter your name, email address, and phone number. This information is used for CloudConnect monitoring/alerting purposes only.
- 4) Select Create Account once all the required information has been entered.

The screenshot shows a web form for creating a CloudConnect account. It is divided into three sections: Organization Info, Device Info, and Account Info. The Organization Info section has a 'Business Name' field. The Device Info section has 'Serial #' and 'Claim Key' fields. The Account Info section has 'Name', 'Email', 'Phone (Optional)', 'Password', and 'Confirm Password' fields. Below the form is a checkbox for 'I agree to comply with the Terms of Use' and a blue 'Create Account' button.

- 5) A message will appear “Success. You can now log into your new account.”
- 6) Select Okay. You will be redirected to the page that shows your Monitor.

### PureAire CloudConnect



***NOTE: Once a company has been created, additional Monitors will simply be added to your existing company account. No other setup is needed.***

**Once you are logged in, we recommend that you create a browser bookmark for the CloudConnect. This will make accessing CloudConnect much quicker.**

- 7) Each CloudConnect device requires a yearly subscription, which allows access to features such as creating alerts, and viewing and storing Monitor data. Subscriptions renew automatically 1 year from the start of the subscription. In order for subscriptions to continue uninterrupted, a credit card must be entered and securely kept on file in your account.
- 8) From the menu, select Billing. You will see this page with the following information-
  - At the bottom of the page, you will see the CloudConnect device. Please note that it shows as **Unlicensed**. Once you Create a Payment Method, the device will change from **Unlicensed** to **Licensed** and will now be activated.
  - Prepaid Year for Monitor will show a credit amount. PureAire includes a 1-year subscription for each new CloudConnect device purchased.
  - Payment Method Required. You will enter your credit card information here. Select **Continue** and fill in the required information. When you finish, Select Create Payment Method.

## PureAire CloudConnect

Payment Method Required to begin subscription.

---

### Billing & Subscriptions

---

Organization Account Info

The following items will be applied to your next invoice.

\$

**Prepaid Year for Oxygen Monitor**

Created on Dec 21, 2023

-\$395.00

View Payment History ☰

---

Payment Methods

You've started the process of adding a new payment method:

☰

**Payment Method Required**

Started on Dec 21, 2023

Continue

Cancel

Your organization has not finished adding any payment methods yet.

Add Payment Method ☰

---

You have 1 unsubscribed device(s).

O<sub>2</sub>

**23.1.0002**

Oxygen Monitor (Wi-Fi)

UNLICENSED

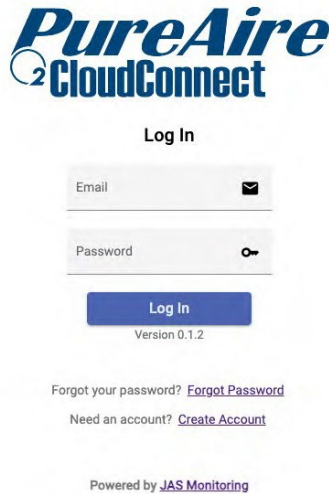
\$395.00/year

Create New Subscription +

## 6.1 Join An Existing Organization

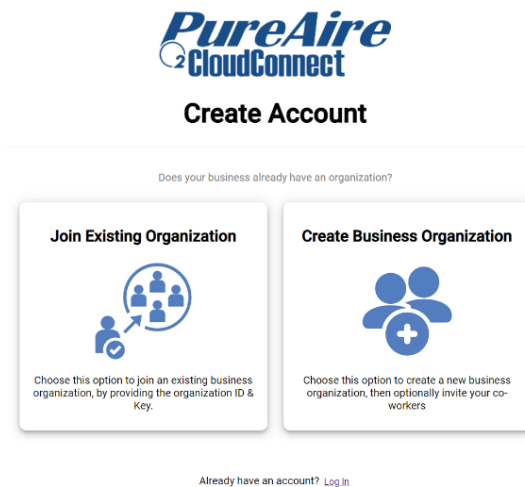
To join an existing organization, please click this link – [https://app.pureairemonitoring.com/log\\_in](https://app.pureairemonitoring.com/log_in)

- 1) Select Create Account



The image shows the 'Log In' form for PureAir CloudConnect. At the top is the logo 'PureAir CloudConnect'. Below it is the heading 'Log In'. There are two input fields: 'Email' with an envelope icon and 'Password' with a key icon. A blue 'Log In' button is positioned below the fields. Underneath the button, it says 'Version 0.1.2'. At the bottom of the form, there are two links: 'Forgot your password? [Forgot Password](#)' and 'Need an account? [Create Account](#)'. At the very bottom, it says 'Powered by [JAS Monitoring](#)'.

- 2) Select Join Existing Organization



The image shows the 'Create Account' form for PureAir CloudConnect. At the top is the logo 'PureAir CloudConnect'. Below it is the heading 'Create Account'. A question 'Does your business already have an organization?' is centered above two options. The first option is 'Join Existing Organization', which includes an icon of a person joining a group and the text: 'Choose this option to join an existing business organization, by providing the organization ID & Key.' The second option is 'Create Business Organization', which includes an icon of three people with a plus sign and the text: 'Choose this option to create a new business organization, then optionally invite your co-workers'. At the bottom of the form, it says 'Already have an account? [Log In](#)'.

- 3) You will need an Organization ID and Organization Key in order to create a new login. **NOTE:** Only people with login credentials to your organization have access to this information. This information can be found in Settings/Organization. Additionally, you will need to enter your name, email address, and phone number. This information is used only for CloudConnect monitoring/alerting purposes.



● Status

- Blue: Wi-Fi Setup Mode
- Blinking Green: Looking for connection
- Blinking Lt Blue: Connecting
- Fading Lt Blue: Connected

Each CloudConnect module has a status LED that will change color based on the current state.

Upon each startup, WiFi modules enter WiFi Setup Mode (solid blue), which will last for 60 seconds.

Cellular/Ethernet modules will skip WiFi Setup Mode, and begin seeking a connection right away.

*\*\* In some cases, the status LED may be blinking purple, indicating a firmware update. These usually take less than 2 minutes. During an update, do NOT turn off the module. \*\**

### **Ethernet:**

Some modules provide an ethernet port. If you plug in an ethernet cable to this port, the module should detect this automatically and connect in a matter of seconds.

### **WiFi:**

The “WiFi Setup” section of this guide has details on how to add a WiFi network to your module during WiFi Setup Mode, as well as troubleshooting steps.

### **Cellular:**

When starting up for the first time, it may take several minutes to find a cell connection. Subsequent connections will occur faster, usually within 1-2 minutes.

Just like your smartphone, cellular connectivity can be impacted by areas of poor reception, harsh weather, or signal interference from dense material. Poor cell reception may result in intermittent data due to frequently losing cell connection.

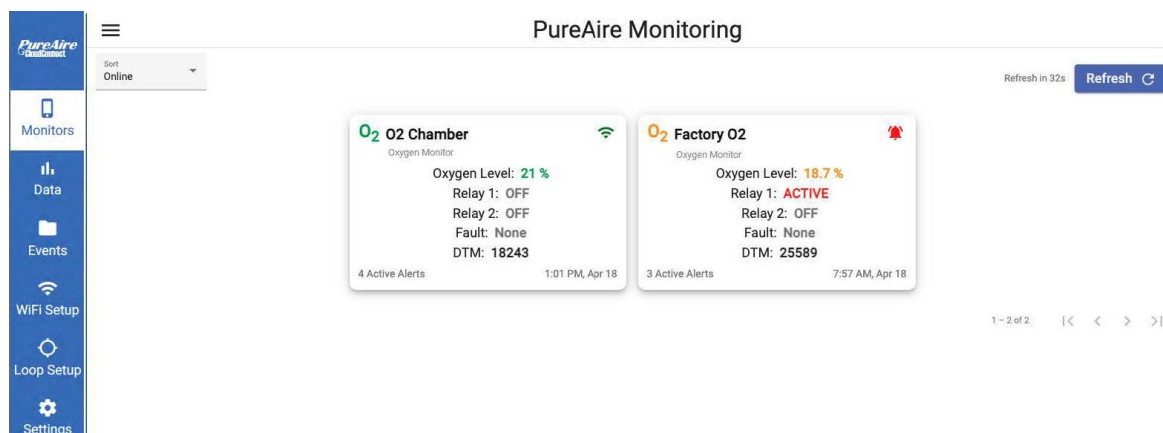
- Ensure your module is installed in an area with cell coverage and minimal interference.

*Please get in touch with JAS if you have trouble setting up your module; we will gladly assist you.*

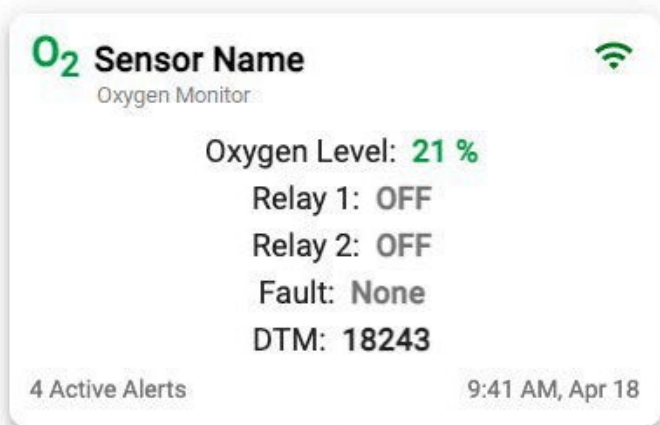
## 7. View Live Monitor Data

When logging in to the software, you will immediately be directed to the “Monitors” tab. You can also navigate to this tab by clicking on it from the main (vertical) menu.

This tab shows a list of your Monitors, which automatically updates every 60 seconds:



Each Monitor on the list will look similar to the following:



The most recent O2 level and relay states are shown.

(Top Right) The green connection signal indicates the Monitor is currently online.

(Bottom Left) This Monitor currently has 4 alerts turned on.

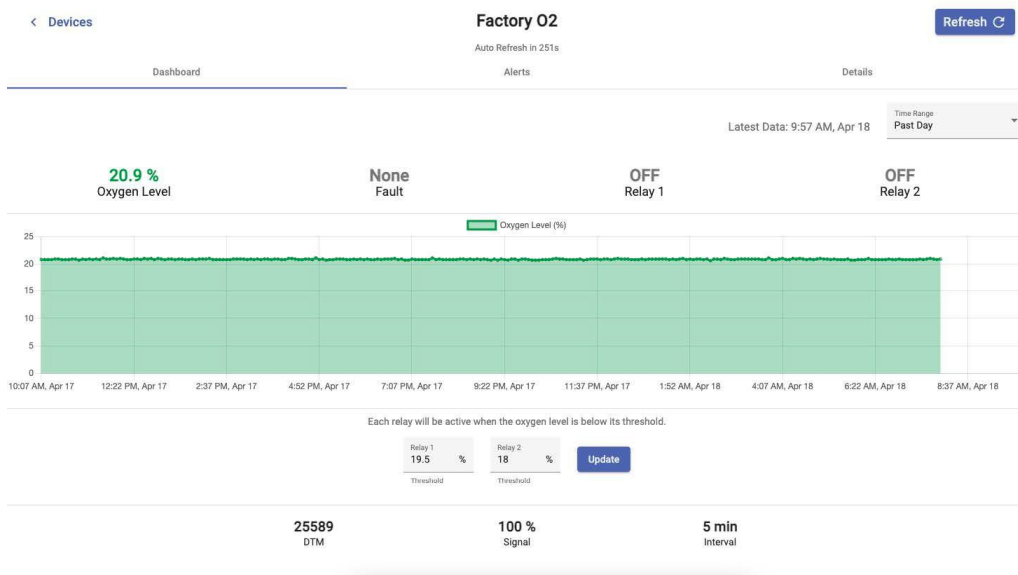
(Bottom Right) This time indicates the most recent data from this Monitor.



The look of a Monitor will change when it has an alert whose condition is currently met. This doesn't always mean the alert has been triggered though,

some alerts only trigger after a period of time. More on alerts in the next section. Clicking on the Monitor's name will take you to a focused view for that Monitor with 3 tabs:

The dashboard tab shows the past 7 days' worth of data. You can adjust this to show a more specific time range, such as only the last 12 hours.



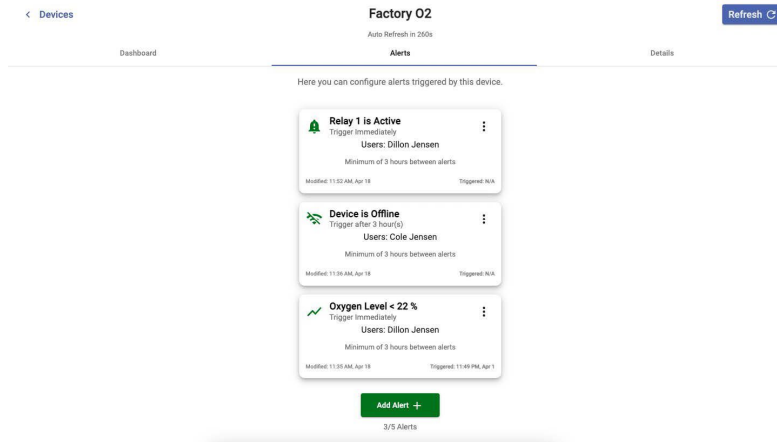
Additionally, you can also edit the O2 level thresholds for each relay to be considered "active". The device must be online for this feature to work, it may take 30-60 seconds for new data to be posted with the updated settings.

Each relay will be active when the oxygen level is below its threshold.

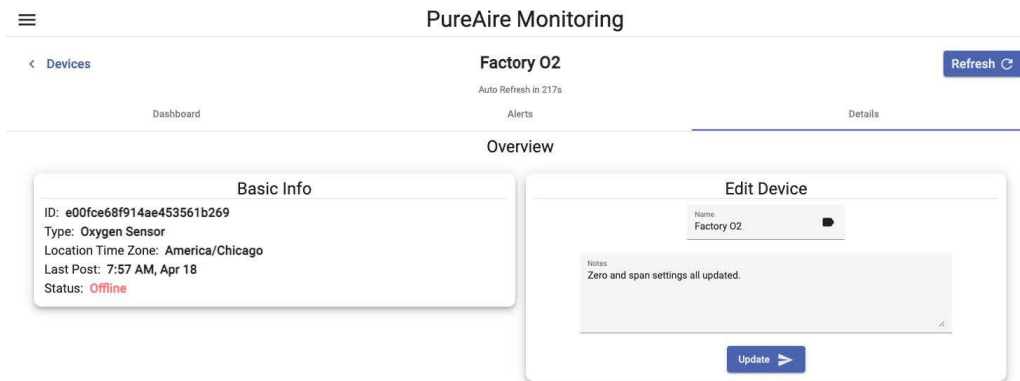


**\*\*Note: This feature does NOT change the relay threshold settings on the physical monitor. To ensure the Monitor's relays and monitoring software are in agreement, enter the same values as you did on the physical Monitor.\*\***

- 1) The alerts tab shows you a list of alerts already created for this Monitor.



- The details tab shows troubleshooting information, and allows you to rename the device, and optionally add some brief notes about the Monitor.



## 8. Creating Alerts

A useful feature within the monitoring software is to set custom alerts. An alert is simply an email/text/phone call message, describing the reason why the Monitor triggered the alert.

Navigate to the “Monitors” tab from the main (vertical) menu. Click on the Monitor you would like to create an alert for, then click on the “Alerts” tab.

1) Click on the “Add Alert” button to start a step-by-step process to create an alert:

The screenshot shows the 'Create Alert' process in the PureAire Monitoring software. The interface is divided into four steps: 1. What, 2. How, 3. When, and 4. Who. The 'What' step is currently active, and the user is selecting an alert type. Three options are available: 'Oxygen Level Alert' (with a green checkmark), 'Relay Alert', and 'Offline Alert'. Each option includes an example and a description of when the alert will trigger.

- Oxygen Level Alert**  
Ex: Oxygen Level < X %  
This alert will trigger based on Oxygen Level.
- Relay Alert**  
Ex: Relay 1 is ACTIVE  
This alert will trigger when Relay 1, Relay 2 or Fault Relay becomes active.
- Offline Alert**  
Ex: Device offline for >= 1 hour  
This alert will trigger when the device is offline for a period of time.

The first step is to define what you would like to be alerted to. There are 3 options:

### 1) Oxygen Level Alert

This alert will be triggered when the O2 level is outside of an acceptable range.

### 2) Relay Alert

This alert will trigger based on Relay 1, Relay 2, or the Fault Relay being active.

*\*Relays are “active” when the O2 level is above or below a certain threshold. The main difference from an oxygen level alert, is the alert message you will receive.*

### 3) Offline Alert

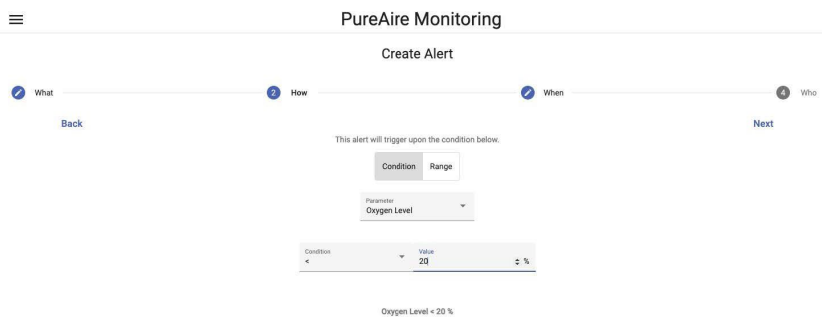
This alert will trigger when the Monitor has not been online for a period of time.

*\*Offline alerts are helpful when the Monitor is expected to be in continuous operation. This will prevent unknowingly missing alerts due to power or Internet connectivity issues. You cannot receive an O2 level alert if the device is not online to report the O2 level!*

*\*In the event of disruption in Internet connectivity, CloudConnect has a feature that will store data locally for two hours during such outage, with the stored data uploaded to the Cloud once connectivity is restored.*

Click on the alert you would like, then click “Next” on the right.

2) Define the condition which will trigger the alert.

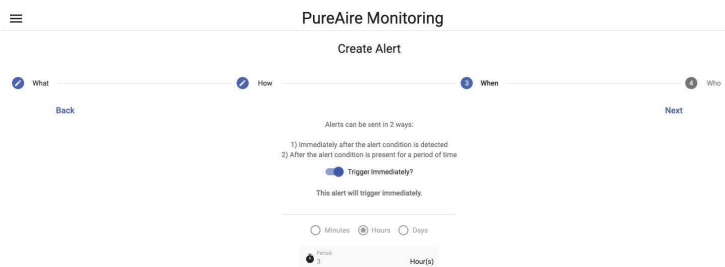


In this example, we are creating an **Oxygen Level Alert**. We set the threshold as “Oxygen Level < 20%”. You could also change this to be “Oxygen Level < 20% or > 22%” if only a precise range is acceptable.

This screen will be different if you are creating a **Relay Alert** or **Offline Alert** instead.

Input your desired alert condition, then click “Next”.

3) Determine if this alert should be sent immediately, or only if the alert condition holds consistently for a period of time.



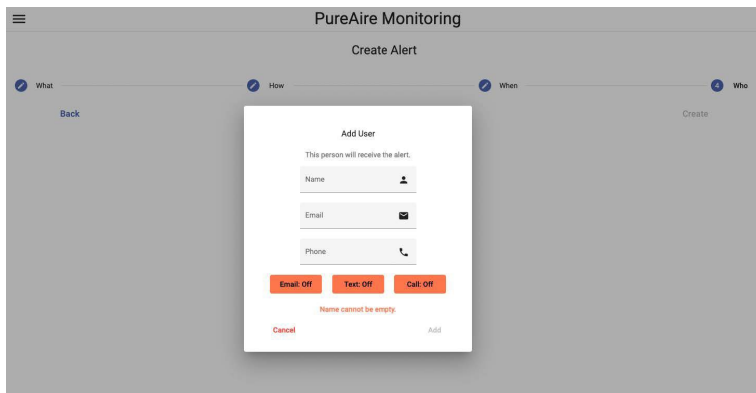
*In some cases, you want to know as soon as possible when the oxygen level dips below a certain threshold.*

*In other cases, it is only concerning if the oxygen level is low for an extended period, such as 30 minutes.*

Alerts that trigger immediately will have a faster response time, but may offer false alarms when the Monitor dips below the threshold only momentarily.

Adjust the settings as needed, then click “Next”.

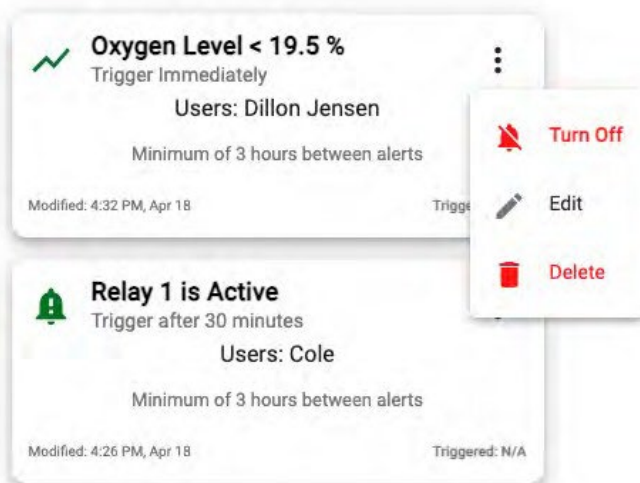
4) Add up to 5 people from your company's CloudConnect account who should receive alerts. If you need help, please refer to **Chapter 3-Account Setup**, on how to add personnel to your CloudConnect account.



Click the “Add User” button, then type their name, and optionally phone number or email. Toggle the buttons on the bottom for how the user should receive the alert. Alerts can be sent with any combination of email, text message, or phone call.

Finally, click the “Create” button on the right. You’re done!

After you have created an alert, you will be redirected back to the “Alerts” tab for the Monitor you created the alert for. Here you will see your newly created alert:



The top is the alert condition, the middle are the names of people who will be alerted, the bottom indicates the last time the alert was updated and triggered (if applicable).

Clicking the 3 dots in the top right, will open a small menu, to turn the alert on/off, or to edit/delete the alert. Turning off an alert means it will **not** trigger for any reason.

*Please contact JAS if you need help setting up your ideal alert.*

## 9. Accessing Historical Data

All data collected from the Monitor is stored permanently and securely in the Cloud. Anyone in your company that you invited to create a CloudConnect account can also view or download this data at any time.

To access historical data, click on the “Data” tab.

**Historical Data Access**

Select a date range and device used, to quickly view data collected during that time.

Start: End:

Choose a date

4/13/2023

---

MM/DD/YYYY

Choose a date

4/16/2023

---

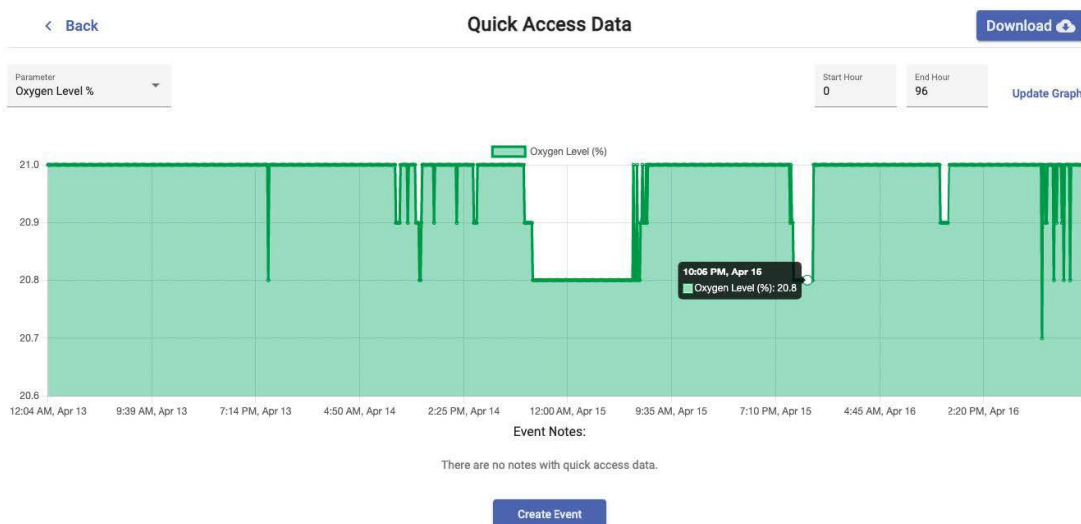
MM/DD/YYYY

Device

O2 Cellular Home (Oxyg...

**View Data**

You must specify a date range and a Monitor, click the “View Data” button and you will see a graph like the one below:



You can change the data metric displayed on the graph via the dropdown in the top left, or narrow in on a more specific range, by adjusting the hours in the top right. The hour adjustments represent the start/end of the data snippet you are looking at.

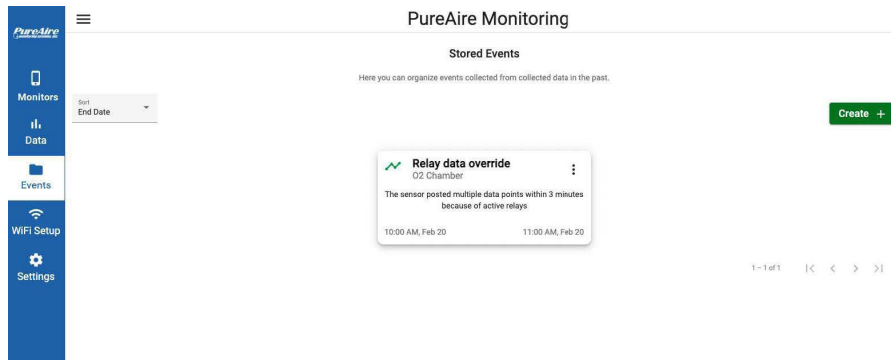
Download this data in CSV format by clicking the download button in the top right. The CSV file will look like the following:

1	Timestamp (UTC)	Oxygen Level (%)	Relay 1	Relay 2	Fault Relay	Fault
2	2023-04-13T05:04:45.648Z	21	0	0	0	0
3	2023-04-13T05:09:45.684Z	21	0	0	0	0
4	2023-04-13T05:14:45.514Z	21	0	0	0	0
5	2023-04-13T05:19:45.841Z	21	0	0	0	0
6	2023-04-13T05:24:45.852Z	21	0	0	0	0
7	2023-04-13T05:29:45.920Z	21	0	0	0	0
8	2023-04-13T05:34:45.595Z	21	0	0	0	0
9	2023-04-13T05:39:45.910Z	21	0	0	0	0
10	2023-04-13T05:44:45.764Z	21	0	0	0	0
11	2023-04-13T05:49:46.074Z	21	0	0	0	0
12	2023-04-13T05:54:45.510Z	21	0	0	0	0
13	2023-04-13T05:59:45.444Z	21	0	0	0	0
14	2023-04-13T06:04:45.517Z	21	0	0	0	0
15	2023-04-13T06:09:45.656Z	21	0	0	0	0
16	2023-04-13T06:14:45.672Z	21	0	0	0	0
17	2023-04-13T06:19:45.438Z	21	0	0	0	0
18	2023-04-13T06:24:46.778Z	21	0	0	0	0
19	2023-04-13T06:29:47.029Z	21	0	0	0	0
20	2023-04-13T06:34:46.556Z	21	0	0	0	0

If you would like to download all Monitor data at once, spanning months/years, or in an arbitrary format not already supported in the software, please contact JAS, and we will provide this data to you directly.

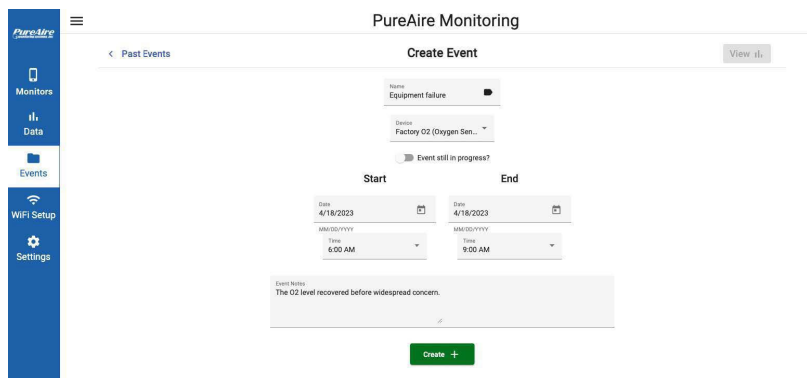
# 10. Organizing Historical Data

In some cases, you may need to reference specific historical data frequently. You can create an “Event” to serve as a bookmark for past data. An event is just Monitor data labeled with a readable name and description.



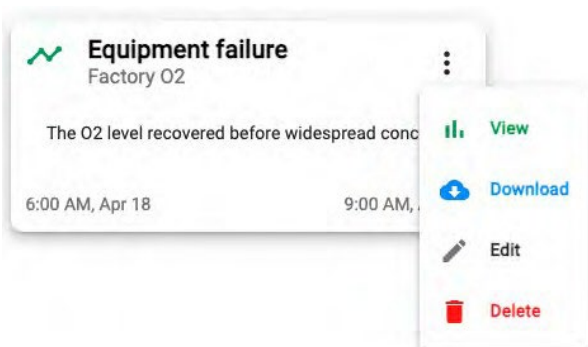
Navigate to the “Events” tab from the main menu on the left. This will show all the events you have already created, and allow you to create new ones.

If you click the “Create” button, you will see the screen below to create a new event. Similar to other historical data access, you just need to select a date range and a Monitor.



The main difference is that you can also add a name and readable description.

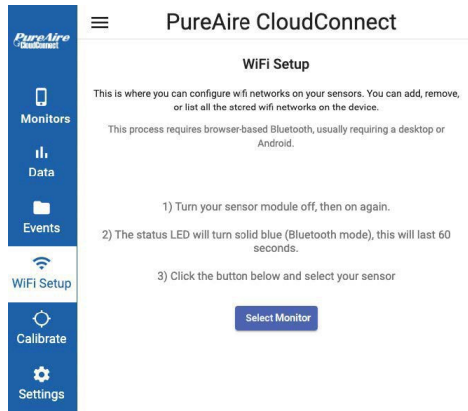
Once created, each event looks like the following. Click the icon in the top right to show options to view/download the data from that event.



Viewing the data will show you a graph just like the one in the section above about accessing historical data.

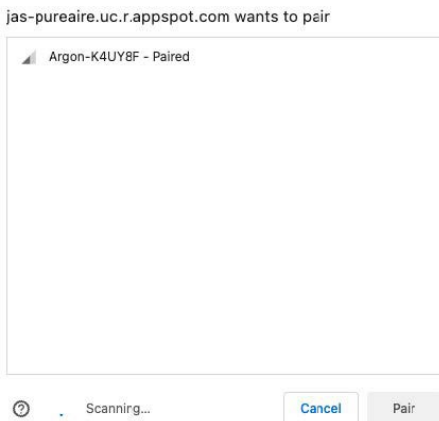
# 11. WiFi Setup Mode

CloudConnect modules that use WiFi, will need access to join your network. You can do this through the “WiFi Setup” tab from the main (vertical) menu. This process happens over *Bluetooth*, so your module must be nearby, you cannot do this remotely.



1) Turn on your WiFi CloudConnect Module. The status LED should turn solid blue (WiFi Setup mode), this will last for 60 seconds.

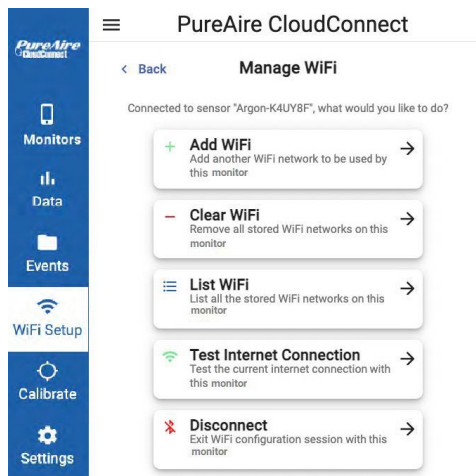
2) While the LED is solid blue, click the “Select Monitor” button. A small window will pop up asking what Bluetooth device to pair with.



3) Click on the device that shows up in the list, then click “pair”, and wait a few seconds.

*\*This list will only show CloudConnect modules in WiFi setup mode, so don't worry about pairing with the wrong device.*

*\*Depending on your browser, the module may be named in the format of “PA-02-XYZ” or “Argon-XYZ”*



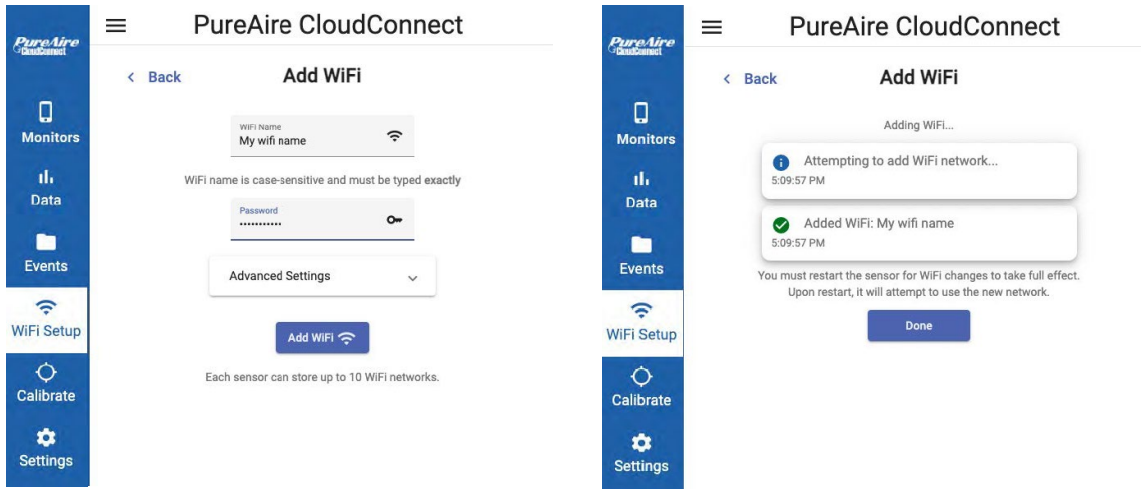
4) Once your module is connected, you will be presented with a list of commands to perform on the WiFi module.

You can add a new network, remove all stored networks, list the stored networks, or test the current internet connection.

*\*Each WiFi module can store up to 10 WiFi networks at once  
\*It does no harm to have a network stored which isn't used*

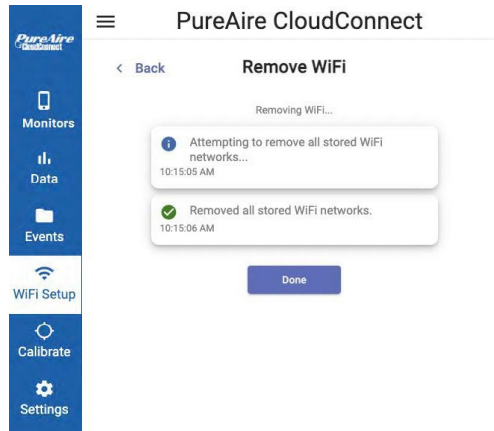
Below are some example screenshots of performing different commands. Each command will provide further instructions within CloudConnect.

### Add WiFi:



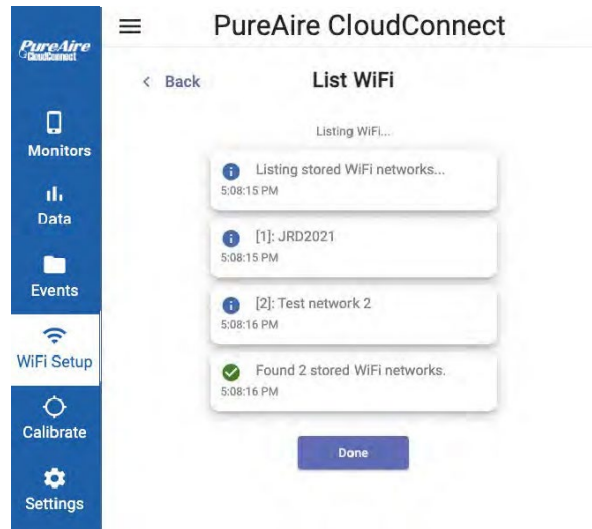
*\*After adding new Wi-Fi networks, restart the CloudConnect module (on/off) for changes to take place.*

### Clear WiFi:



*\*Only remove all networks before adding a new one. Trying to use the CloudConnect module with no stored networks or valid Ethernet connection is useless and can lead to strange behavior.*

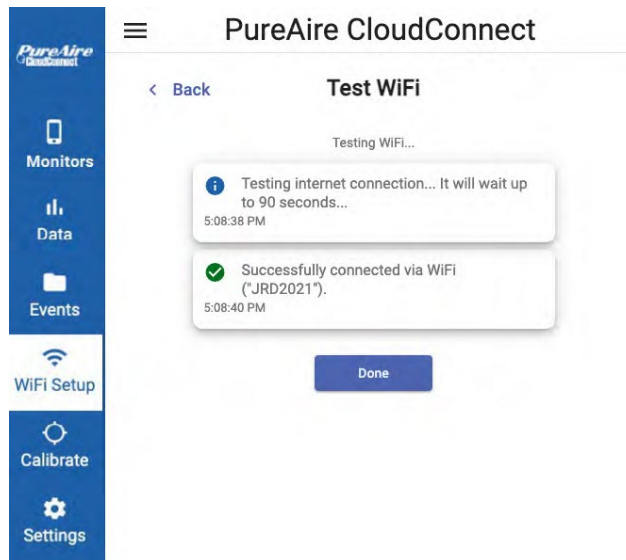
## List WiFi:



*\*Each CloudConnect module can store up to 10 networks at once. It will use the first one it can connect to successfully.*

*\*Storing additional networks that aren't consistently used won't cause any connectivity issues.*

## Test Internet:



*\*If Internet connection fails, try restarting the CloudConnect module. If failure persists, contact JAS Monitoring at [Team@JensenAppliedSciences.com](mailto:Team@JensenAppliedSciences.com) for help.*

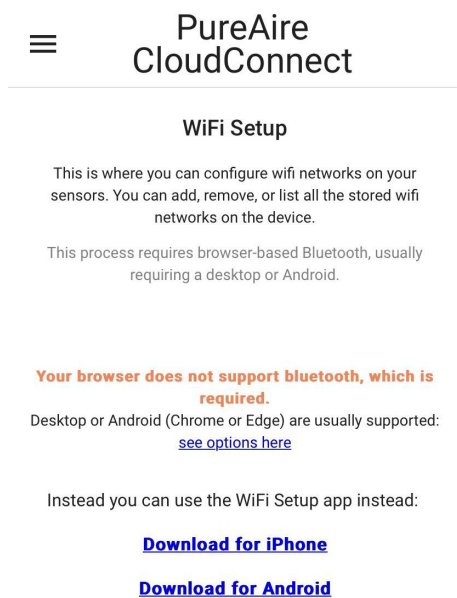
## Troubleshooting:

After adding a new WiFi network, restart the CloudConnect module by turning it off then back on again. Upon restart, the CloudConnect module should attempt to use the new network.

When adding a new WiFi network, the name of the WiFi must be typed *exactly*.

The WiFi module uses 2.4 GHz for WiFi, a 5 GHz router will not work. Many routers are dual-band (both 5GHz & 2.4GHz) which should work fine.

## Browser-based Bluetooth required:



Some devices (iPhones/iPads) or browsers (Safari, Firefox, IE) don't allow browser-based Bluetooth, even though they have Bluetooth capability. In that case, you will see a screen like this.

You have 2 alternatives:

1) Use a different device: Windows/MacOS/Android using a recent version of Chrome, Edge, or Opera.

2) Download/use the JAS Monitoring Bluetooth Tool app. The interface and steps are the same as CloudConnect.

You can find the download links [here](#).

*If you are having any trouble getting your WiFi module setup on your network, please contact JAS.*

# 12. Calibrate Current Loop

The CloudConnect module receives O2 data from the Monitor via a 4-20mA current loop. For the best monitoring experience, calibrate the current loop data to ensure that the O2 information displayed on the Monitor's screen will match the O2 shown in CloudConnect.

*\*Without calibration, the O2 on CloudConnect may differ slightly from the O2 displayed on the Monitor's screen.*

*\*\* Calibrating the 4-20mA current loop is NOT the same as calibrating the actual O2 Monitor. See your PureAire Monitor Manual - Section 6.1 "Monitor Verification" for more details. \*\**

In order to calibrate the CloudConnect module monitor data, you will need your O2 Monitor plugged in and the cloud module properly connected to it.



2) Navigate to the "Calibrate" tab from the main (vertical) menu, and click the "Select Monitor" button.

This process happens over *Bluetooth*, so the CloudConnect module must be nearby. You cannot complete this process remotely.

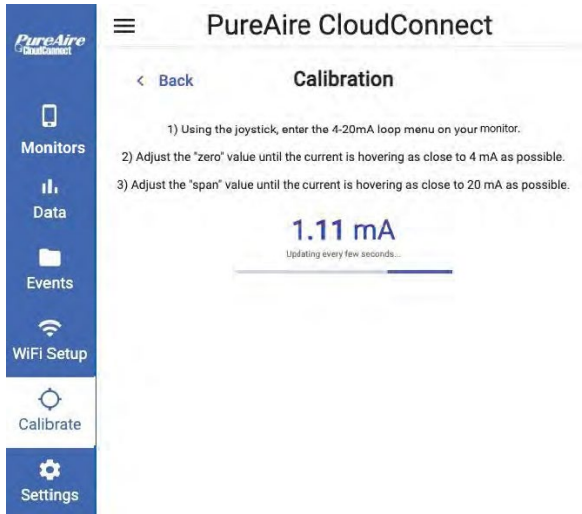
*\*If you have a WiFi module, you must wait for WiFi Setup mode to complete.*



3) Click on the device that shows up in the list, then click "pair", and wait a few seconds.

*\*This list will only show CloudConnect modules available to calibrate, so don't worry about pairing with the wrong device.*

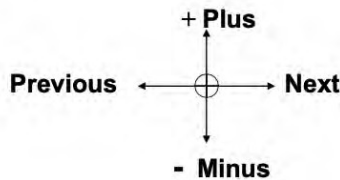
*\*Depending on your browser, the module may be named in the format of "PA-O2-XYZ" or "Argon-XYZ"*



- 1) Using the joystick, enter the 4-20mA loop menu on your monitor.
- 2) Adjust the "zero" value until the current is hovering as close to 4 mA as possible.
- 3) Adjust the "span" value until the current is hovering as close to 20 mA as possible.

4) Once connected, your module will stream the latest current value in milliamps, every few seconds.

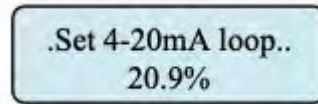
While watching this value, you will need to adjust 2 settings on the Monitor via the joystick.



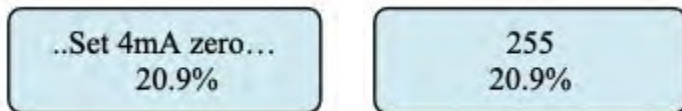
- Plus** – Pushing the joystick in this direction increases the value
- Minus** – Pushing the joystick in this direction decreases the value
- Next** – Pushing the joystick in this direction moves you to the next level of the menu hierarchy.
- Previous** – Pushing the joystick in this direction takes you out to the last level of menu hierarchy.
- Enter** – Pushing the joystick directly in the center enters the information into the microprocessor

5) Use the Monitor's joystick to enter the "Set 4-20mA loop" screen

*This will require using the Monitor's password to enter the menus. More info can be found in the Monitor's User Manual - Section 5, / 5.5.1 "Set 4-20mA loop".*



6) Adjust the "Zero" value (0-255) until the CloudConnect value hovers around 4mA.

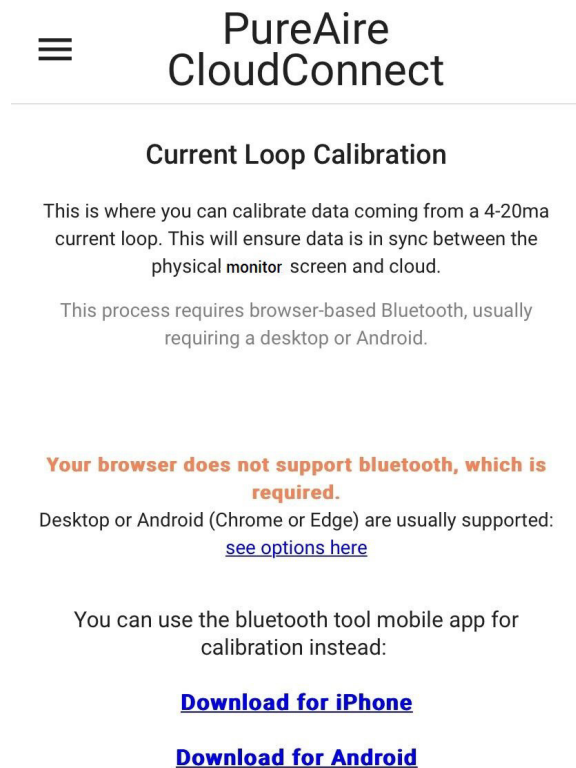


5) Adjust the "Span" value (0-255) until the CloudConnect value hovers around 20mA.



After calibration, the Monitor and CloudConnect should display the same O2 value.

## Browser-based Bluetooth required:



**PureAire  
CloudConnect**

### Current Loop Calibration

This is where you can calibrate data coming from a 4-20ma current loop. This will ensure data is in sync between the physical monitor screen and cloud.

This process requires browser-based Bluetooth, usually requiring a desktop or Android.

**Your browser does not support bluetooth, which is required.**

Desktop or Android (Chrome or Edge) are usually supported: [see options here](#)

You can use the bluetooth tool mobile app for calibration instead:

[Download for iPhone](#)

[Download for Android](#)

Some devices (iPhones/iPads) or browsers (Safari, Firefox, IE) don't allow browser-based Bluetooth, even though they have Bluetooth capability. In that case, you will see a screen like this.

You have 2 alternatives:

- 1) Use a different device: Windows/MacOS/Android using a recent version of Chrome, Edge, or Opera.
- 2) Download and use the JAS Monitoring Bluetooth Tool app. The interface and steps are the same as CloudConnect.

You can find the links to download [here](#).

*Please contact JAS if you are having trouble calibrating the O2 Monitor current loop.*

# 13. Forgot Password

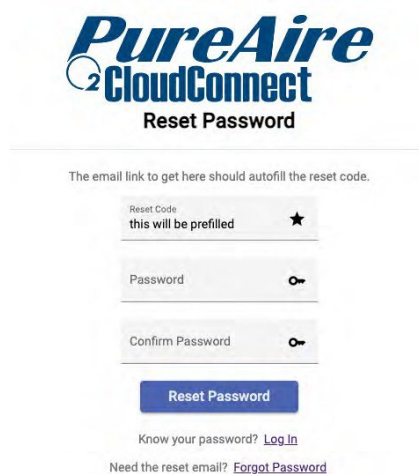
Occasionally, you might forget your password and be unable to log in to CloudConnect. It is easy to reset your password, you just need access to your email.

- 1) Navigate to [https://app.pureairemonitoring.com/forgot\\_password](https://app.pureairemonitoring.com/forgot_password)



The screenshot shows the 'Forgot Password' page for PureAire CloudConnect. At the top is the logo 'PureAire CloudConnect' with a blue circular icon containing a '2'. Below the logo is the text 'Forgot Password'. A horizontal line separates the header from the main content. The main content starts with the instruction 'Enter your email and we'll send you a password reset link.' Below this is a text input field labeled 'Email' with an envelope icon on the right. Underneath the input field is a blue button labeled 'Send Reset Email'. Below the button is the instruction 'Once you receive the reset email, click on the link provided.' At the bottom of the page, there is a link 'Remember your password? Log In'.

- 2) Enter your email address, then click “Send Reset Email”
- 3) Click the link in your reset email (Check your spam if you don’t see it in your email)



The screenshot shows the 'Reset Password' page for PureAire CloudConnect. At the top is the logo 'PureAire CloudConnect' with a blue circular icon containing a '2'. Below the logo is the text 'Reset Password'. A horizontal line separates the header from the main content. The main content starts with the instruction 'The email link to get here should autofill the reset code.' Below this is a form with three input fields: 'Reset Code' (with a star icon and the text 'this will be prefilled'), 'Password', and 'Confirm Password' (both with eye icons). Below the input fields is a blue button labeled 'Reset Password'. At the bottom of the page, there are two links: 'Know your password? Log In' and 'Need the reset email? Forgot Password'.

Here you can enter a new password, then click “Reset Password”. That’s it!

# 14. Inviting Coworkers in Settings

If you'd like to give more people within your company remote monitoring access to the Monitors, navigate to the "Settings" tab from the main menu on the left.

**General Settings**  
Invite others into your organization, or edit your profile.

**Organization**  
Name: Test Company  
ID: testcompany  
Key: testc75256  
Invite Link: [Click To Copy](#)

**Profile**  
Email: dillon@jensenappliedscienc.com  
Name: Dillon Jensen  
Phone Number: 952-594-4530  
[Update](#)

Test Company has 1 user.

No.	Name	Email	Phone	Last Activity
1	Dillon Jensen	dillon@jensenappliedsciences.com	952-594-4530	5:19 PM, Apr 18

Items per page: 5 1 - 1 of 1 < >

**Log Out**  
[Log Out](#)  
Version: 0.0.5  
Powered by [JAS Monitoring](#)

In the top left, you can copy the join link for your company. Send this link to your coworkers, and they'll be able to join the same way you have already.

On the right, you can edit your profile. On the bottom, you will see a table of people who have joined your company, and the last time they have accessed the software.

On the very bottom is a button to log out. This will redirect you back to the login page.



**Log In**

Email

Password

[Log In](#)  
Version 0.1.2

Forgot your password? [Forgot Password](#)  
Need an account? [Create Account](#)

Powered by [JAS Monitoring](#)

## 15. Contact Us

For inquiries regarding the CloudConnect Module:

Please contact JAS at: [Team@JensenAppliedSciences.com](mailto:Team@JensenAppliedSciences.com)  
(952)-594-4530

For inquiries regarding PureAire Monitors:

Please contact PureAire Monitoring Systems at:  
[PureAireMonitoring.com](http://PureAireMonitoring.com)  
(847)726-6000  
(888)788-8050