

ALL-PoE-CO2-LAMP

CO2 Room Air Traffic Light with RGBW LEDs



Quick Start Manual

1. scope of delivery:

Please check the packaging and contents for damage:

Does anything on the packaging indicate that something was damaged during transport?

Is there any damage to the housing?

You must not operate the device under any circumstances if it is damaged. If in doubt, contact our technical customer service.

Package contents

- ALLNET® ALL-PoE-CO2-LAMP
- 1x power supply (48V / 0,5A)
- 1x network cable
- Quick start guide



Safety instructions

Be sure to observe the following instructions:

- Never open the device.
- Never carry out an installation during a thunderstorm.
- Make sure that cables are laid so that they cannot be tripped over or stepped on.
- Never expose the device to direct sunlight during operation.
- Never operate the device near sources of heat.
- Never place the device on surfaces that are sensitive to heat.
- Protect the device from moisture, dust, liquids and vapors.
- Do not use the device in damp rooms and under no circumstances in potentially explosive areas.
- Do not use cleaning agents containing solvents for cleaning, but only a soft, dry
- only a soft, dry antistatic cloth.
- Repairs may only be carried out by trained, authorized personnel.
- ALLNET® accepts no liability in the event of improper use.

Installation and mounting location

General:

The ALL-PoE-CO2-LAMP may only be used in dry indoor areas. Ensure that there is sufficient ventilation. The installation has to be done in such a way that the cables (network cable and connection cable) are not under tension, otherwise they can come loose. Ideally, mount the sensor below the head height of the persons and in the center of the room, because the CO2 gas is heavier than air and collects near the floor. It is not advisable to position the sensor near the windows or directly along a wall or facing the hallway.

NOTICE:

The device can also be used "standalone" without any configuration. However, recording options are then not given!

The measured values are displayed according to the following color key:

CO₂- Measured value	Display color
0~999 ppm	green
1000~1999 ppm	yellow
2000~10000 ppm	red

1.2. default values:

Default IP-Adress	DHCP
20.00.0	2

The device is assigned the IP address by your router in the delivery state. Please check in the client list of your router which IP address the device has received or look at the display on the back of the device.

Reset to factory settings

In case your ALL-PoE-CO2-LAMP is no longer accessible due to incorrect user settings or a forgotten password, you can reset all settings in the device to the delivery state using the following reset procedure (all previous settings and values will be lost):

- De-energize the device.
- Using a non-conductive pointed object (e.g. toothpick), press the RESET button and keep it pressed.
- The button must remain pressed!
- Now supply the ALL-PoE-CO2-LAMP with power again and wait approx.
 45 seconds.
- Only now release the reset button again.

Now the reset process is complete and all settings are back in the delivery state.

3. customize the ALL-PoE-CO2-LAMP to your network

- a. Connect your ALL-PoE-CO2-LAMP with your network using the enclosed LAN cable. Make sure that the plugs snap in audibly.
- b. The ALL-PoE-CO2-LAMP communicates with the connected components using the TCP/IP protocol. For the ALL-PoE-CO2-LAMP to be recognized by your PC/MAC, the ALL-PoE-CO2-LAMP and the PC/MAC must be in the same network segment.

By default, the ALL-PoE-CO2-LAMP receives an IP address from your router.

- c. Please check the client list of your router to see which IP address the device has received or look at the display on the back of the device.
- d. If you now enter the IP address in the web browser (Firefox, Chrome, etc..), the first page for the language setting of the ALL-PoE-CO2-LAMP will appear:



- a. Select the desired language from the drop-down menu and save your settings. You will be automatically redirected to the next configuration item.
- b. Here you can give the ALL-PoE-CO2-LAMP a fixed IP address from your network segment or keep the DHCP setting.

Static: The IP settings can be set manually here.

DHCP: The ALL-PoE-CO2-LAMP automatically obtains an IP from the range of your router.

Confirm the settings with "Save entries".



- a. The device now accepts the settings. This process takes 10 seconds. The page is then reloaded with the IP address you configured.
- b. A page with the time settings now appears. Here you can define your own time server, use the time servers already entered or set the time manually.



a. Save your settings with "Save settings".

NOTICE:

Since the device does not have a built-in battery for the clock, the manually set time is lost in the event of a power failure. So the setting with the time server makes more sense.

3. check for updates

After you have performed the IP configuration, it is recommended to update the ALL-POE-CO2-LAMP to the latest software version. To do this, navigate to Configuration -> Update Settings. If you click on "Update check" you will get either the message

a. No newer version was found

or

b. Install update



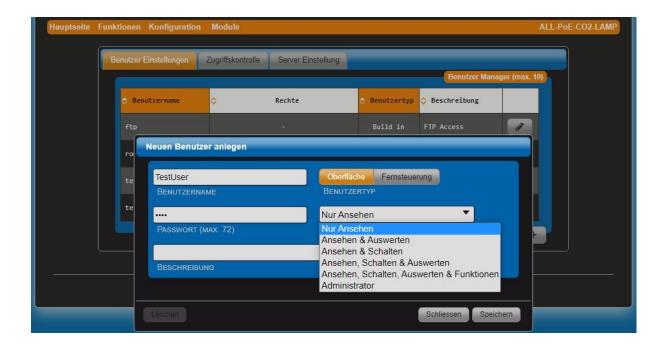
If necessary, run the "Update check" several times until you get the above display.

3. create user

To ensure that only you have access to the configuration of the ALL-PoE-CO2-LAMP, you should create an admin account.

Go to Configuration -> Server and Users > "User Settings" tab.

Here you can now create admin users or normal users. The admin user has full access via the web interface, while the "normal" users can be assigned different rights (e.g. view only, view & evaluate, etc.).



In order for the login prompt to appear afterwards, you must also activate access control.

Go to Configuration -> Server and Users > Access Control tab.

Set the access control to "Enabled".



2. Access-Point Configuration

You can also configure the ALL-PoE-CO2-LAMP as your own WLAN access point.

Under Configuration -> Network settings, you can make the settings for the access point mode.



SSID: Here you can enter any network name. This name will be displayed when scanning the network.

Channel: The transmission channel is selected here.

Channel 1, 6 or 11 is recommended in the 2.4GHz frequency band.

WLAN Auth Mode: Here you can select the encryption mode. WPA2PSK-AES is recommended.

Encryption Key: Here you can enter any WLAN key. This key will be requested when connecting to the ALL-PoE-CO2-LAMP. Use a secure password with at least 8 characters.

Finally, confirm your parameters with "Save entries".

The entries are accepted. This process takes 120 seconds.

7. Wireless-Client Configuration

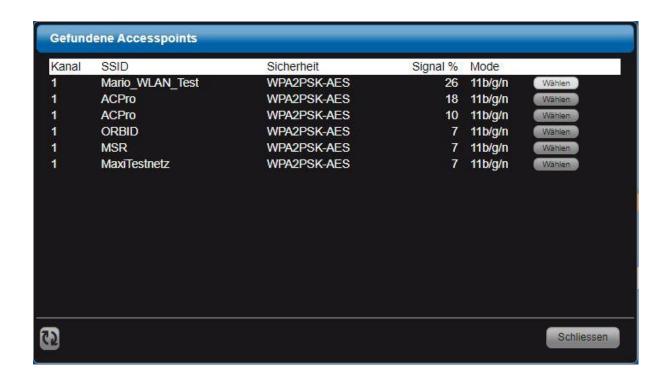
You can also connect the ALL-PoE-CO2-LAMP to an existing WLAN network.

Under Configuration -> Network settings you can make the configurations for a WLAN connection.



Select Wireless Client to connect the device to an existing network. Click Search Access Points to search for your WLAN network.

All networks in the vicinity are displayed. Select your network and press the "Select" button.



The "SSID" and the "WLAN AUTH MODE" are filled in automatically. Just enter your WLAN key and confirm the settings with "Save entries".



The device now accepts the parameters. This process takes 120 seconds. The device can then be reached via the set IP address.

IMPORTANT:

After the 120 seconds are over, you must remove the LAN cable to avoid a network conflict with the WLAN.

NOTICE:

The WLAN network to which you connect must not contain a SPACE in the SSID. Otherwise no connection will be established!

8. overview page

On the overview page (Main page > Overview) you will find various information, such as the current CO2 value. But you also have the possibility to operate the traffic light manually via the buttons or to mix the colors via the sliders.

The alerting is done via a visual display (LED) and can optionally be realized acoustically or via e-mail.

Further options may be available via additional software modules (can be downloaded from the ALLNET homepage).

CO2 value good - green



CO2 value medium - yellow



CO2 value bad - red



The CO2 guide values can be configured as desired. This has the advantage that the ALL-PoE-CO2-LAMP can always be flexibly adapted to new specifications, e.g. by the Federal Environment Agency.

Recommended and preset values are:

- at 0~999 ppm: Green

- at 1000~1999 ppm: yellow

- at 2000~10000 ppm: Red

8. record

The CO2 values can also be recorded and evaluated with the ALL-PoE-CO2-LAMP.

Go to Functions > Recording.

Activate e.g. Interval recording and specify the recording interval. Select the sensor to be recorded and save your settings:

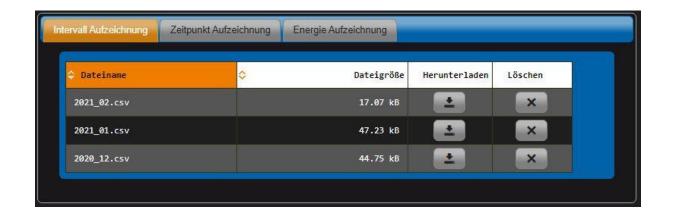


There are two options how to evaluate the records:

1. Download as *.CSV file:

Go to Functions > Recording.

Click on "Download" and select the recording you want to download. The evaluation can then be visualized on the PC using a spreadsheet, for example.

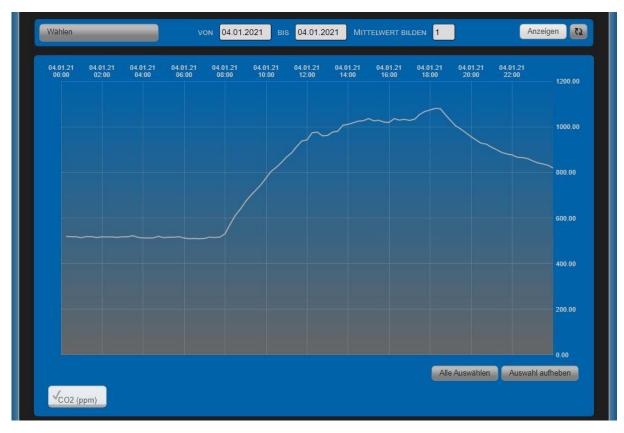


1st Internal evaluation option:

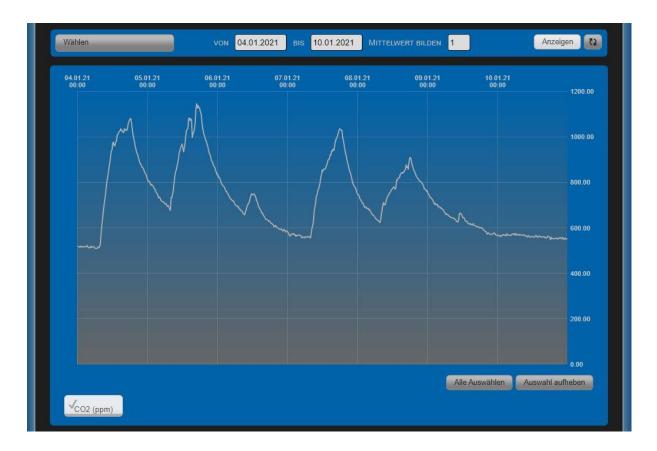
Go to Overview > Evaluation.

Select the period to be evaluated at the top and click on "Show".

Daily Evaluation:



Weekly Evaluation:



Monthly Evaluation:



Hereby, ALLNET GmbH Computersysteme declares that the ALL-PoE-CO2-LAMP device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The Declaration of Conformity can be found at the following address: http://ce.allnet.de

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