



PLANTALYTIX

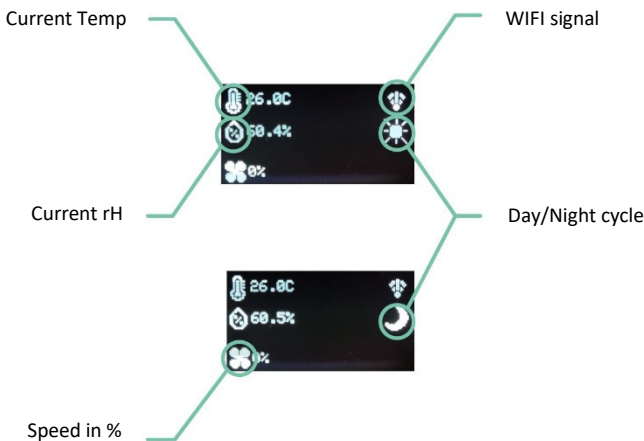
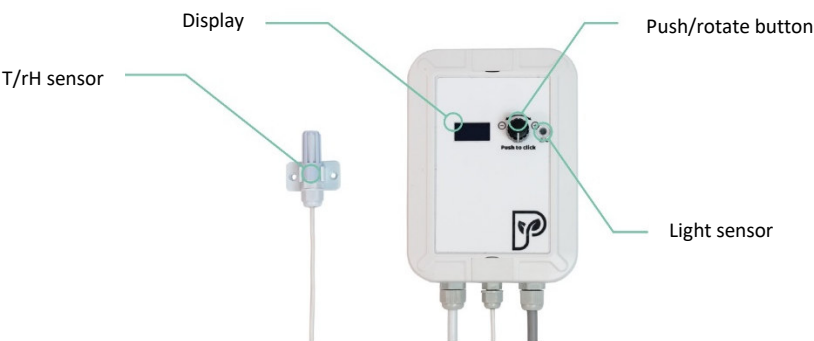
AIR

Prima Klima ECBlue RJ 45

Quickguide V1.1

The complete manual is available for free download on our website.

Components and Symbols



Intended Use

The controller is exclusively suitable for operation in dry indoor areas. The controller regulates the fan speed based on the respective settings. Temperature and humidity are measured via the supplied sensor.

Initial Setup

1. Mount the controller. For example, cable ties can be inserted through the slots of the bracket. Ensure that the controller is not exposed to moisture or water. Furthermore, it is very important that the light sensor can measure the light in the grow area, as it is responsible for the automatic Day/Night switching. The sensor must *under no circumstances* be covered, otherwise the control cannot function correctly.
2. Position the humidity and temperature sensor in a suitable location. This is usually at the tips of the plants in the grow room. The sensor should not be directly exposed to the mist spray of the humidifier.
3. Plug the power plug into the outlet (power supply).
4. Connect the RJ45 plug to the designated socket on the fan.
5. Make Settings
 - Set up Home Network
 - Select Control Mode
 - Set Min/Max Values

Time

Does not need to be set. The Day/Night sensor automatically detects when Night or Day begins.

Firmware Update

If you are connected to the Internet, this is performed automatically.

Offline Use and Use of the Display

For using the controller, it is not necessary to be connected to the Internet. All settings and the control can be done directly via the display. However, in this mode, monitoring or viewing of measured values (graphs) is limited.

Online Use

To be able to use the full functionality, it is necessary to be connected to the Internet. To connect to the home network, you can use either the display or a smartphone. All settings, as well as the graphs and further features, can be used later via the portal.

Connecting to the Portal

The use of the portal is not absolutely necessary, but it facilitates work and enables graph analysis. So that the display of measured data can take place, the controller must be connected to the portal. 2 steps are necessary for this.

Step 1: Connection to the Home Network

Step 2: Registration in the Portal

Connection to the Home Network

The connection to the home network is necessary to enable communication with the portal. You can connect to your home network either via a browser or directly via the display.

Option 1 (recommended) - Establish connection via browser (Smartphone, Tablet, PC,...)

In this case, first connect a third-party device to the controller's Wi-Fi (WLAN). The controller is then connected to the home network and will be discoverable within this network. Data can then be exchanged with the portal via the home network. In the controller's menu, go to the WIFI Settings and select "use mobile phone".

The controller's Wi-Fi (WLAN) will now be displayed. This SSID is unique and is newly generated each time. On your device (e.g. Smartphone, Laptop, etc.), turn on Wi-Fi and search for the network displayed on the controller's screen.

By default, a page (Portal) will then open where you need to enter your home network (SSID) and password. Clicking on "Scan" will display all available Wi-Fi networks.

Use "Select" to choose the correct Wi-Fi network. The Wi-Fi name will then be automatically entered in the "SSID" field.

Next, the password must be entered and "Save" pressed.

The controller will then attempt to connect to the home network and thus to the Internet. If the connection is successful, a green box with "connection successful" will be displayed. If this is not the case, check the SSID and password again and re-enter them. If this step was successful, the controller is now connected to your home network and the Internet, and the portal can be used.

Open the Plantalytix Portal with a browser of your choice at this link: <https://www2.plantalytix-app.com>

Option 2 - Establish connection via the display

Go to "use display" in the menu. After selection, the controller will start searching for Wi-Fi networks. Select your home network and press the button. Using the turn-click button, you can enter the password in the next step. By long-pressing the button, you can access the sub-items "Back" and "Done".

By pressing "Done" on the button, the password is accepted and the network connection is established. Pressing "Back" deletes the last character. If the connection is successful, "connected!" will be displayed on the screen.

Establish connection to the Portal

The portal serves for managing the controllers or fans and for location-independent access to the graphs and other features. To do this, the controller must first be registered (paired) in the portal.

To connect to the portal, the controller must be connected to the home network. A code is then generated via the display. This code in turn is entered into the portal, and thereby the controller is registered in the portal. Several controllers and fans can also be added to the portal according to the same principle and monitored or controlled. In the menu under WIFI, select the item "pair with portal".

The pairing code will then be displayed (it is newly generated each time). Write down the code and enter it into the portal later.

Connect Controller to the Portal

Go to <https://www2.plantalytix-app.com> and log in. If you don't have an account yet, create a new account under "Create Account" and log in. The generated code must be entered under "claim device". To do this, click on "claim device" and enter the ID, i.e., this code, there.



Afterwards, the controller will be displayed directly in the overview and can be controlled or monitored.

Control Mode

Day/Night Cycle

The controller has an integrated optical sensor which can distinguish between Day and Night. During the light period, the controller or the fan automatically detects that it is Day, and when the light goes out, it automatically switches to Night mode. This allows the controller to orient itself independently and thereby reduces potential sources of error in the settings. There are therefore no settings for Day and/or Night.

The Control Mode

Via the control mode, you can define according to which parameters the fan adjusts its speed. The control functions automatically. To reduce energy and noise to a minimum, the

control is designed so that the speed is only ever as high as it needs to be to achieve the target specifications.

Attention: The control value is continuously adjusted over 2 minutes to minimize rapid changes and thus noise development.

The following control options are available:

- Fixed = Fixed speed
- T = Temperature
- rH (relative humidity) = relative humidity
- T & rH = Temperature and relative humidity

Service

To contact customer service, please reach out to us at sales@plantalytix.com.

Safety

Installation and maintenance of this electrical product may only be carried out by trained electrical personnel. The installer of this product is solely responsible for proper installation. The operating instructions must be read before installation. If defects are found in this electrical device, the device must not be installed. This electrical device must not come into the hands of children. Protective gloves and safety goggles must be worn when installing this electrical device. Small parts may be ejected from the fan into the air streams. Inhaling particles must be avoided. The edges can be sharp; use protective gloves to prevent cuts. The fan must be mounted vibration-free, butt-to-butt; first secure it with suitable adhesive tape, then attach a cuff. The device may only be connected to voltage after successful installation. The

fan should only be held and installed by its housing. Protect the fan from rain and water.

Use of the Fans

The fans are ideally suited for installation in small greenhouses, exhaust systems. The medium to be conveyed may only be ambient air and must be free of dust or other contaminants. The maximum humidity is approximately 95%. If high humidity is present, the fan may only be installed vertically.

Improper Use

The fan must not be operated in an uninstalled, open state. There is a risk that parts may be sucked in and ejected. No gases or other flammable media may be conveyed. The fans are not explosion-proof! The fans must not be operated outside the ranges specified in the characteristic curves.

Installation Guidelines

Install the fan so that sufficient space is available for maintenance work. Installation can be vertical or horizontal. Attention: Observe the direction of flow; an arrow on the housing indicates the direction. Like any electrical device, this controller must be operated carefully and prudently to avoid dangers from electric shock.

Further Safety Instructions

- Please note that the sockets on the device are switched on immediately after connecting the device to the power supply.

- Only use the device in compliance with the mains voltage noted on the device.
- The maximum specified power of the sockets must not be exceeded.
- Protect yourself from electric shock. Avoid body contact with grounded parts such as pipes and radiators.
- Before use, check all device parts including the power cord and any extension cords used, as well as the plug connections, for proper condition.
- Do not pull the plugs out of the sockets by the cable. Always hold the sockets on the device firmly with one hand when removing the plug of a connected piece of equipment.
- Do not use the device if it has been dropped or if water has entered the interior of the device.
- Do not use the device during a thunderstorm.
- Unplug the power cord in case of defects or malfunctions.
- Never hold or carry the device by the cables.
- Maintain distance between all device parts and warm surfaces.
- Use the device only in dry indoor areas.
- Never reach for a device that has fallen into water. Immediately unplug the power cord from the socket.
- Do not expose the device to shocks and do not drop it.

Repair

- The device must not be opened.

- Repairs to electrical devices may only be carried out by qualified personnel. Improper repairs can pose significant dangers to the user.
- For repairs, contact customer service or an authorized dealer.
- If the device or parts of the device are damaged, it must be repaired by the manufacturer or an authorized service center.

Fire Hazard

- Only use the supplied power cords.
- In case of improper use or disregard of the operating instructions, there may be a risk of fire!
- Do not use the device near highly flammable materials.

Operation

- The device is only intended for the described purpose.
- The manufacturer cannot be held liable for damages resulting from improper or careless use.
- The specifications regarding maximum outputs are always nominal outputs. (Not, for example, "dimmed outputs" for controlled outputs.)
- Do not place objects on the device.
- Protect the device from high temperatures.
- Observe the relevant safety instructions when handling CO₂.



EG-Konformitätserklärung



Der Hersteller / Inverkehrbringer

microgreenbox gmbh

erklärt hiermit, dass folgendes Produkt

Produktbezeichnung: Plantalytix Air

allen einschlägigen Bestimmungen der angewandten Rechtsvorschriften der

Niederspannungsrichtlinie 2014/35/EU
EMV Richtlinie 2014/30/EU
RoHS-Richtlinie 2011/65/EU

- einschließlich deren zum Zeitpunkt der Erklärung geltenden Änderungen - entspricht. Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller. Diese Erklärung bezieht sich nur auf das Produkt in dem Zustand, in dem es in Verkehr gebracht wurde; vom Endnutzer nachträglich angebrachte Teile und/oder nachträglich vorgenommene Eingriffe bleiben unberücksichtigt.

Folgende harmonisierte Normen wurden angewandt:

EN61000-6-3 (2022)

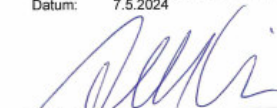
EN61000-6-1 (2019)

EN55014-1 (2017)

EN55014-2 (1997)

Name der Person, die bevollmächtigt ist, die technischen Unterlagen zusammenzustellen:
Alexander Polivka / Geschäftsführer

Ort: Windhaag bei Freistadt, Marktgasse 1
Datum: 7.5.2024



(Unterschrift)
Alexander Polivka