



Controller
EC4330

Instruction Sheet



Product Advantages

- ▶ When the LED grow lights have the function of switching the spectrum, our controller can realize the spectrum switch.
- ▶ Four channels control.
- ▶ Power control.
- ▶ Scene mode setting.
- ▶ Time-division power or switch control.
- ▶ Sunrise and sunset settings,PPFD settings.
- ▶ Reduce power or turn off lights at high temperature.
- ▶ Function expansion: PPFD test smart socket carbon dioxide test.....

Tips:

1. 0-10V can only be connected to 0-10V port
2. 485 can only connect to port 485
3. L2, L3, L4 can choose to synchronize with the L1 channel, select Sync in the setting interface of L2, L3, L4.

Note: The power input port must use our 12V adapter plug. If the machine is damaged by using other plug, it is not within the free warranty.

Packing Accessories:



Temperature and humidity sensor



DC12V Power supply



Mesh line

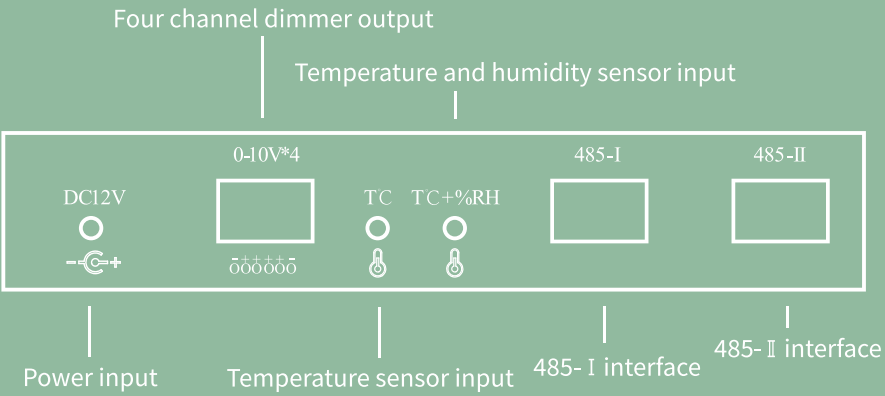


Installation kit



Analog interface

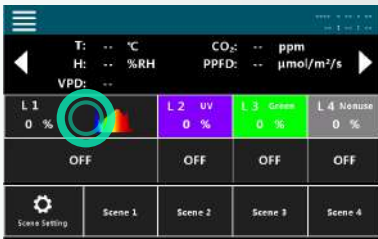
Product Structure



Instruction



1. After the controller is connected to the power supply, it enters the main interface, displayed as L1-L4 channel control.



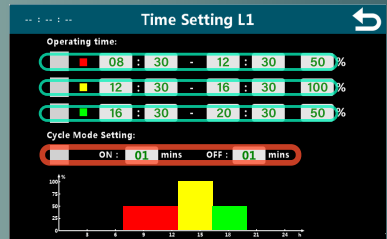
2. Click L1 to enter the main channel setting interface.

3. Click the screen ON | OFF to turn on | off the LED light.



4. Switch the spectrum by ticking.

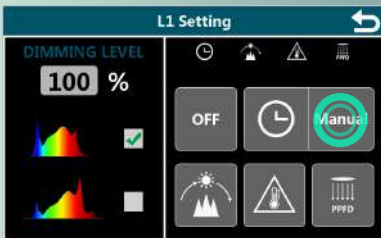
5. Enter the percentage to set the power.



6. Click the "⌚" icon to enter the interface and set the time period control.

7. a. Take the picture as an example, from 8:30-12:30, the lights are turned on at 50% power. 12:30-16:30, the lights are turned on at 100% power. 16:30-20:30, the lights are turned on at 50% power. If there is no set time, from 20:30 to 8:30 the next day, the lights will not be turned on.
- b. The cycle switch mode can also be set.

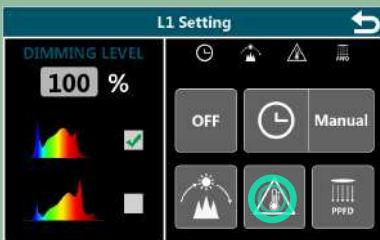
Note: You need to tick the corresponding box to take effect.



8. Click "Manual" to change to "Auto", the setting of point 7 will be in effect.




9. This page is for setting the sunrise and sunset. After parameter setting, click the green icon "Activate" to enable it.
 Remarks: The starting power of the LED light is generally 12% or more, so it is recommended that the starting value is also bigger than 12%.



10. Click "  " icon to set temperature control.

11. Take the picture as an example, the power will be reduced to 50% at 45 °C, and the light will be automatically turned off at 50 °C.



12. Click "  " to enter the PPFD interface, and then click "Activate". The light will be adjusted to the corresponding power to reach the entered PPFD value.
 Note: If the maximum power of the light does not reach the set value of PPFD, the controller can only adjust the the power of the light maximum.
 Remarks: PPFD sensor needs to be purchased separately.

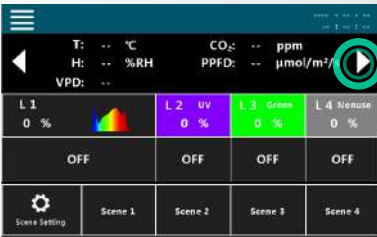
Instructions for Scene Mode Setting



Enter the main page and click the scene mode setting. A total of four scene modes can be set. After entering the scene mode interface, there are four scene modes to choose from. All the settings we made in the main interface and each channel can be saved as a scene, then click Save.

The above figure is an example. When you want to save the settings of the main interface as Scene 1, please click “Scene Setting” in the main interface firstly, then click Scene ①, and finally click Save.

Instructions for setting up with smart socket



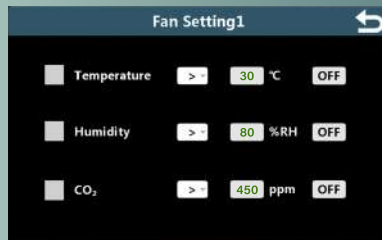
1. Enter the main page and click "▶" in the upper right corner to enter the next page. Take the setting of the fan as an example, insert the plug of the fan into the dedicated socket for smart thyristor wind speed adjustment, and connect the controller and the socket at the same time.



2. Click the "100 %" icon to enter the corresponding value in Speed Value to adjust the wind speed.

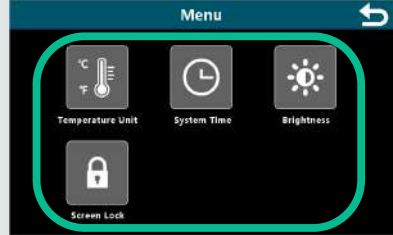
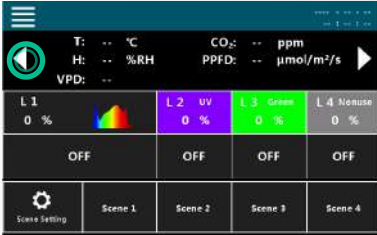


3. Click " 100% " to enter the time period setting, and then click Manual to change to Auto to take effect.



4. Click the " 100% " icon to enter the temperature, humidity and CO₂ settings. Take the figures in the picture as an example, when the temperature is greater than 30, or when the humidity is greater than 80, and or when the PPM is greater than 450, the controller will turn off the fan.

Note: The CO₂ concentration sensor needs to be purchased separately.



6. Click the icon in the upper left corner to enter the setting interface. The four icons are temperature unit setting and time setting, brightness adjustment, screen off setting.

Remarks: In the off-screen setting, "Slide to unlock": it means that after pressing the on-screen button, you need to manually swipe to open the screen.

Technical parameter

Product Name	LED grow lights Controller
Product Number	EC4330
Input Voltage	DC12V
Product size	160*98*33mm