

EDO LED CONTROLLER 0-10V/PWM

Advanced control for growing projects



USER MANUAL

SAFETY RECOMMENDATIONS

Please carefully read recommendations and warnings before installing and using the controller!
The installation and use of the controller is the responsibility of the end user. Incorrect installation can cause damage to the product. The warranty shall become void if the product and/or electronic components are damaged due to incorrect installation.

WARNING

1. Always adhere to the local building and electrical codes (local rules and regulations) when installing or using the controller with light fixtures.
2. Do not use the product when either the controller or its power cable are damaged. Modifications to the cables can lead to unwanted electromagnetic effects which may damage the product.
3. Protect power cables from being pinched, walked on, or otherwise damaged.
4. Do not use the controller near flammable, explosive or reactive substances.
5. Keep the controller in a cool and dry environment, away from dust, heat and moisture.
6. Make sure all RJ and power cords are safely routed away from heat, moisture, mechanical movement, or anything that may damage cords.
7. The controller is designed to work with GC Rj14 data cords. Using other brand or non-RJ14 data cords could cause malfunctions and may void the warranty.

CAUTION

1. Do not use abrasives, acids, or solvents to clean the controller. Use a soft, dry cloth to clean the controller.
2. Do not open and/or disassemble the controller as it contains no serviceable parts inside. Opening and/or modifying the controller can be dangerous and will void the warranty.
3. The product may not be exposed to moisture, condensing humidity, contamination, or dust.

PACKING ACCESSORIES



LED Controller x1



0-10V Cable x1 & PWM Cable x1



Cable and Adaptor for
12V DC Power Supply x1



Temperature & Humidity Sensor x1

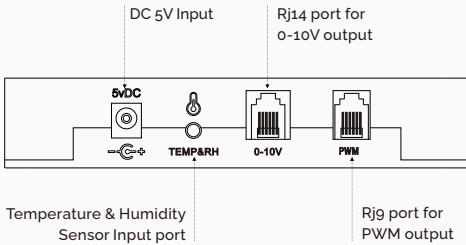


Screws x2

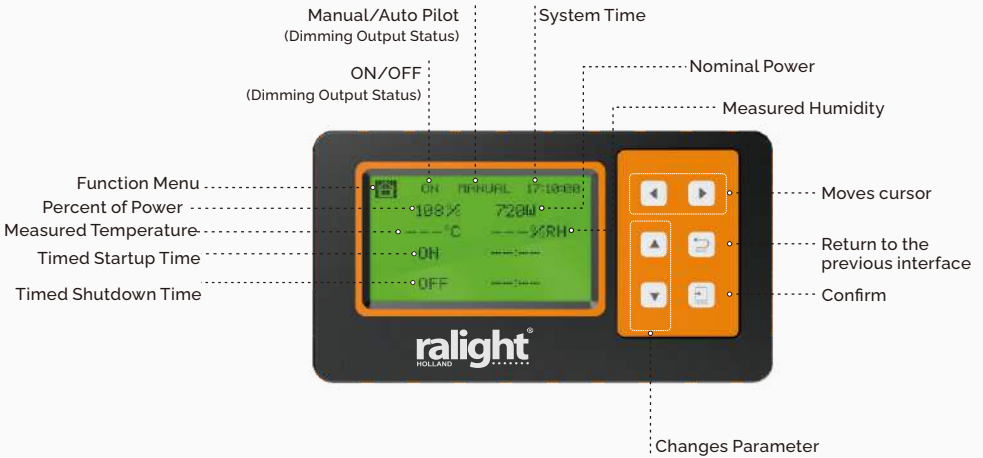


Screw Anchor x2

SPECIFICATIONS

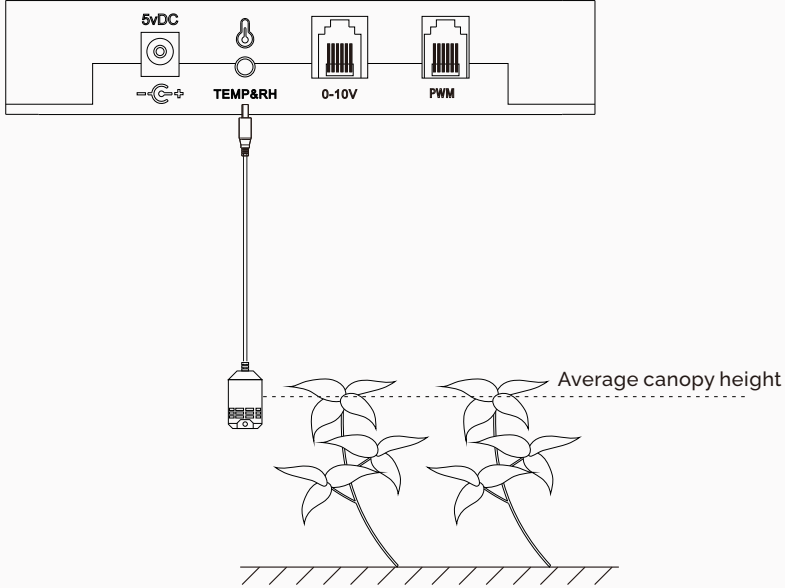


- Input Power: 5V / 2A
- Out Signal: 0-10V / 50mA
- Ambient Temperature: 0-40°C
- Max Linked Quantity: 30 pcs
- Daisy Chain Ports: "0-10V" & "PWM"
- Housing: Plastic (black)
- Weight: 310g
- Dimensions: 145x80x28mm (5.7"x3.1"x1.1")



USE TEMPERATURE HUMIDITY SENSORS

The "TEMP-RH" port shown in the figure is connected to temperature and humidity sensors. Find a suitable place for the temperature sensor and the controller. Hang the sensor between the plants on average canopy height and preferably not against the wall. Do not position it in direct airflow and kept away from direct heat.



PRODUCT INSTALLATION

HOW TO CONNECTING:

Attach the controller to a vertical surface with provided screws and screw anchors.

Note: Keep the controller away from heat.

The distance between the two mount holes is 6.7cm.

CONNECTION OF LED FIXTURE:

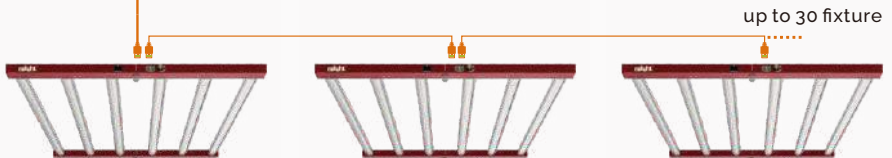
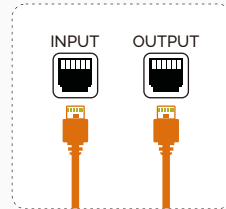
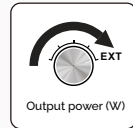
Make sure the rotary knobs are all set to "EXT"(external control).

Connect one end of the cable to "0-10V" port or "PWM" port.

As shown in the following figure and the other end to the first connected fixture.

Use the supplied interconnect cables to daisy chain up 30 LED fixture (depends on quantity of driver or ballast). Plug all ballasts power cords and the controller power supply directly into mains.

Set the ballasts dial to "EXT" (external control)



USAGE INTRODUCTION



Move cursor to the Function Menu icon and press "ENTER"



Move the cursor in the function menu to select the function you want to set



Power/Temp.Unit Setting
Move cursor to the "Power/Temp.Unit" and press "ENTER" Setting Nominal Power and Temperature Unit.



Auto Pilot Setting
Move cursor to the "Auto Pilot" and press "ENTER" Program timer settings:

- 2.1. Daily Cycle:
 - Turn ON at hh:mm
 - Turn OFF at hh:mm
- 2.2. Custom Cycle (Countdown):
 - xx:xx hours to OFF
 - xx:xx hours to ON



Temp.Protection Setting
Move cursor to the "Temp.Protection" and press "ENTER" Setting the protection conditions based on ambient temperature.

- NOTE:**
- It will automatic DIMMING DOWN to 50% when ambient temperature higher then the set Auto-Dim Ta level.
 - It will automatic SHUTTING OFF when ambient temperature higher than the set shut-down Ta level.
 - It will automatic recover if ambient temperature dropped greater 5 degree than set level.



Sunrise/Sunset Setting
Move cursor to the "Sunrise/Sunset" and press "ENTER"

Activating or Disable the Sunrise&Sunset, and Setting the Ramp time.



EDO LED CONTROLLER

0-10V/PWM