EDO LED CONTROLLER
0-10V/PWM

Advanced control for growing projects


```
ON  MANUAL  17:10:00
108%    720W
---°C     ---%RH
ON        --:--
OFF       --:--
```

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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.
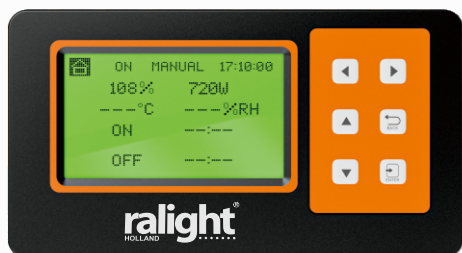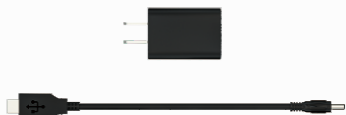
LED Controller x1

0-10V Cable x1 & PWM Cable x1

Cable and Adaptor for
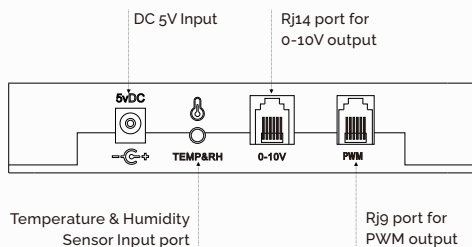12V DC Power Supply x1

Temperature & Humidity Sensor x1

Screws x2

Screw Anchor x2

DC 5V Input

Rj14 port for
0-10V output

5vDC

TEMP&RH   0-10V   PWM

Temperature & Humidity
Sensor Input port

Rj9 port for
PWM output

Input Power: 5V / 2A

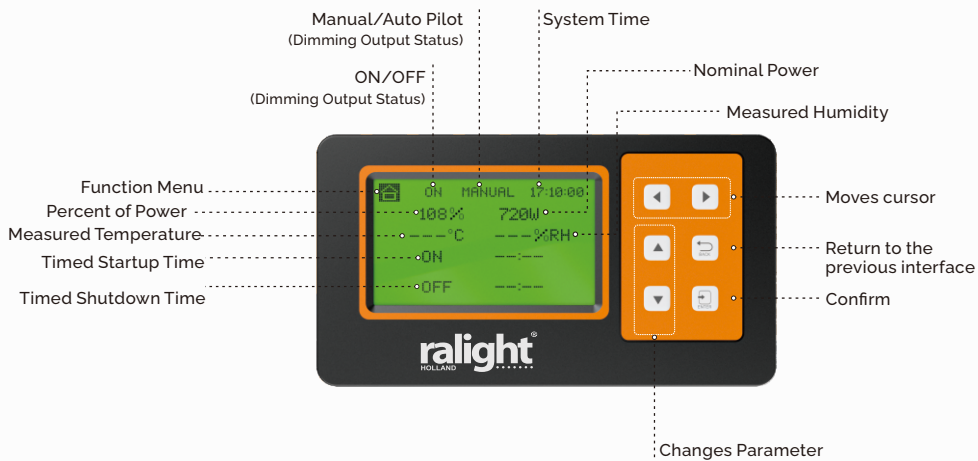Out Signal: 0-10V / 50mA

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")

Manual/Auto Pilot
(Dimming Output Status)

System Time

ON/OFF
(Dimming Output Status)

Nominal Power

Measured Humidity

Function Menu

Percent of Power

Measured Temperature

Timed Startup Time

Timed Shutdown Time

ON   MANUAL 17:10:00
108%   720W
———°C   ——%RH
ON   ——:——
OFF   ——:——

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Moves cursor

Return to the
previous interface

Confirm

Changes Parameter

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.

Average canopy height
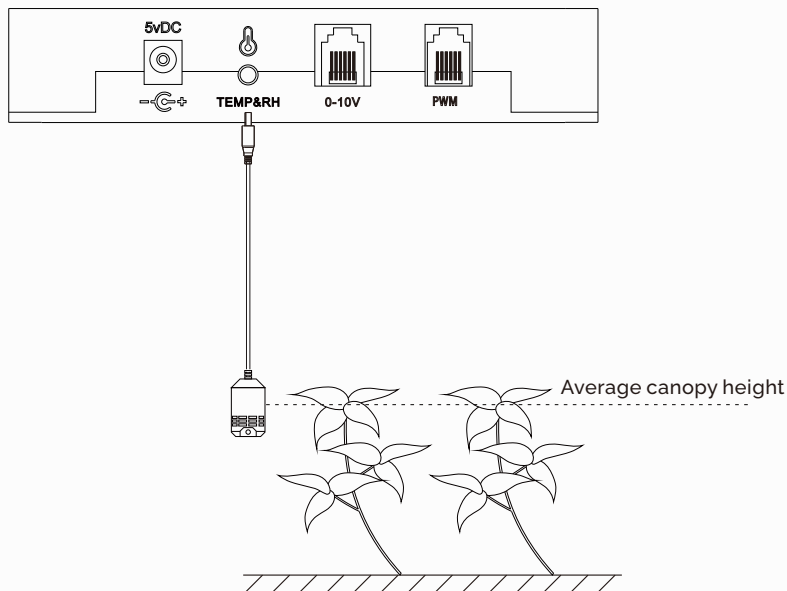
HOW TO CONNECTING:

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
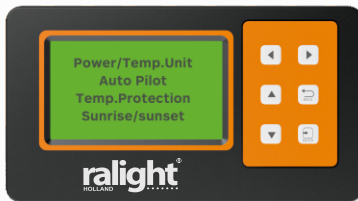the controller power supply directly into mains.

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

EXT

Output power (W)

INPUT OUTPUT

up to 30 fixture
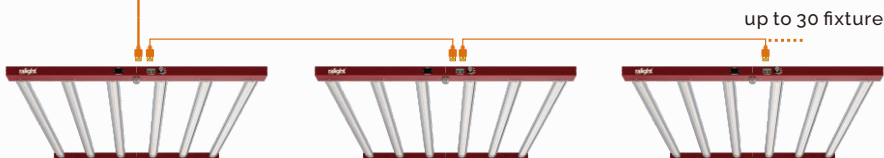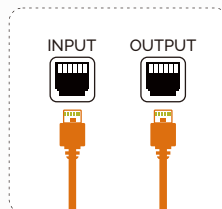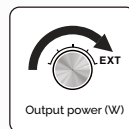
Move cursor to the Function Menu icon and press "ENTER"

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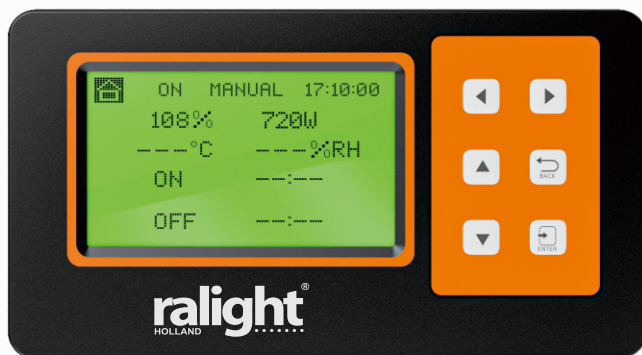⚠ NOTE:
• It will automatic DIMMING DOWN to 50% when ambient temperature higher then the set Auto-Dim Ta level.
• It will automatic SHUTTING OFF when ambient temperature higher than the set shut-down Ta level.
• It will automatic recover if ambient temperature dropped greater 5 degree than set level.

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

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

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