American Standard Wall Type touch surface controller

LC-0RGB-D4-02

Features

Used for Common anode RGB strip/lights, has built-in dimming, jump change, gradual change and other all total 24 modes and RGB full color touch ring.

Technical Parameters

Input voltage：DC 12V-DC 24V
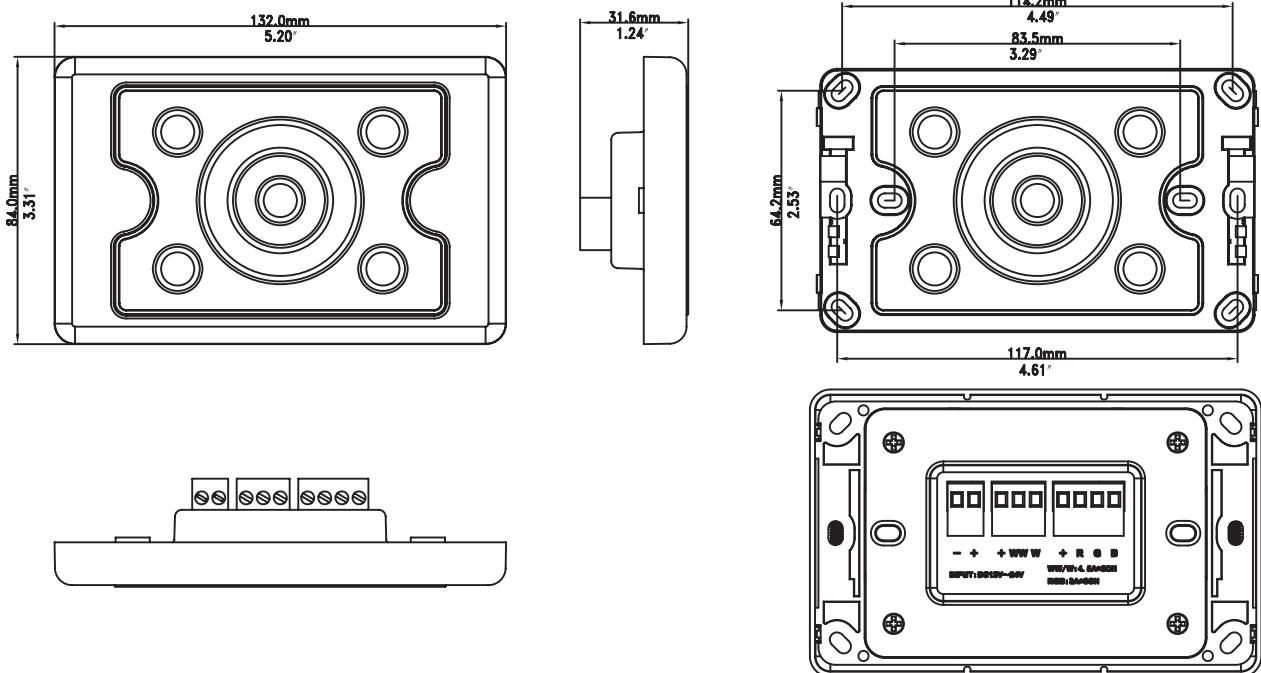Output channel：3 channels output:3A*3CH
Package size：142*92*38mm
Gross weight：165g
Function description：

1. Adjust brightness under static mode, adjust brightness and speed under dynamic mode.
2. Brightness of all 64 colors in RGB full color touch surface ring can be adjusted.
3. Touch key, RGB full color touch surface ring.
4. Power-loss memory recovery function.
5. 24 modes.

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Dimensions(Unit: mm/inch)   Net weight: 120g

132.0mm / 5.20″
84.0mm / 3.31″
31.6mm / 1.24″
114.2mm / 4.49″
83.5mm / 3.29″
64.2mm / 2.53″
117.0mm / 4.61″

- + + WWW + R G B
INPUT:DC12V~24V   WW/W:4.6A/3CH   RGB:3A/3CH

Modes

1. Static red
2. Static green
3. Static blue
4. Static yellow
5. Static purple
6. Static cyan
7. Static white
8. Red, green and blue Jump change
9. Red, green, blue, yellow, purple, cyan and white Jump change
10. Red gradual change
11. Green gradual change
12. Blue gradual change
13. Yellow gradual change
14. Purple gradual change
15. Cyan gradual change
16. White gradual change
17. Red, green and blue circling gradual change
18. Red, green, blue, yellow, purple, cyan and white circling gradual change
19. RG alternately gradual change
20. RB alternately gradual change
21. GB alternately gradual change
22. RGB alternately gradual change
23. Continuously gradual change in 7 colors
24. Demo program(circling with mode 9,18,23,22)

Instructions

(There is a LED indicator light under each button, which is called background light here)

1.Function of touch buttons:

Button ▬ : Reduce the brightness, speed and mode.[(Can adjust brightness under mode 1-23(256 levels), can adjust speed under mode 8-23(20 levels), touch ring mode(65 levels)]

Button ✚ : Increase the brightness, speed and mode.

Button ☼ : Enter brightness adjustable state.

Button 🌈 : Enter speed/mode adjustable state.

Button ⏻ : Switch button

2.Instruction of buttons:

Button ▬ : Reduce the brightness/speed/mode. Continually adjusting brightness / speed / mode when long press.(Background light will be flash once when it be touched every time) Background light is off means minimum brightness or speed.

Button ✚ : Increase the brightness/speed/mode.Continually adjusting brightness / speed / mode when long press.(Background light will be flash once when it be touched every time) Background light is off means maximum brightness or speed.

Button ☼ : Touch ☼ to enter brightness adjustable mode, background light is on in the same time. Invalid under mode 24.
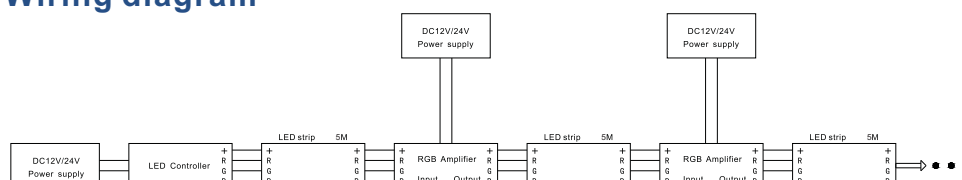
Button 🌈 : Under static mode: touch Button 🌈 , background light is on , then touch "+ " and "-" to switch modes. Under dynamic mode: touching Button 🌈 once can enter speed adjustable state, then touch "+ "and "-" to adjust speed ; touch Button 🌈 once again to enter mode adjustable state, then touch "+ "and "-" to switch mode. Tow adjustment modes is circling as above. The background light of button 🌈 will be flashing under speed adjustable state and stay lit under mode adjustable state.

Button ⏻ : Switch button(Red background light will be on when switch is off, and the light will be off when switch is on).

3.Power-loss memory recovery function:

Mode, speed, brightness, color choice of touch ring and switch status all have power-loss memory recovery function.

Wiring diagram

Warnings

1. The output of the controller is 3 channels, the line sequence cannot be reversed.
2. Please use DC 12-24V as the power supply of the controller, DO NOT use home use high voltage power supply directly.
3. When installing the controller, first cut off the power of controller, connect well the LED light with controller, then connect the controller with power supply.

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