

98401393

PROLUMIA®

RGBW Touch panel controller with display

Product Specifications



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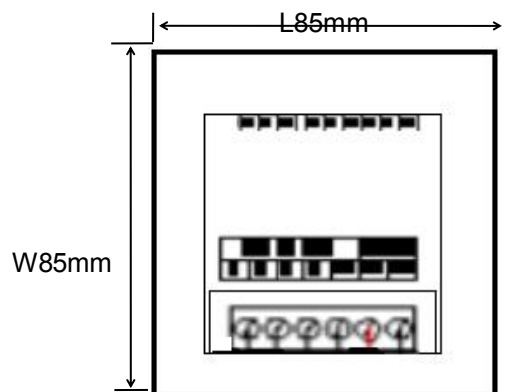
1. Summarization

This controller is a multifunction led controller, It adopts glass panel design, safe and reliable, simple and beautiful. The user can touch the color ring to adjust the color of light. Controller can monitor the current power and temperature of circuit boards, display the current time and the setting timing scene. Timing scene includes timing power off, timing changing mode, etc. This controller also build in 18 the default lighting modes for users option.

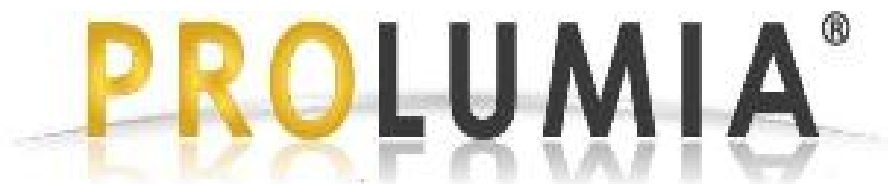
2. Technical Parameters

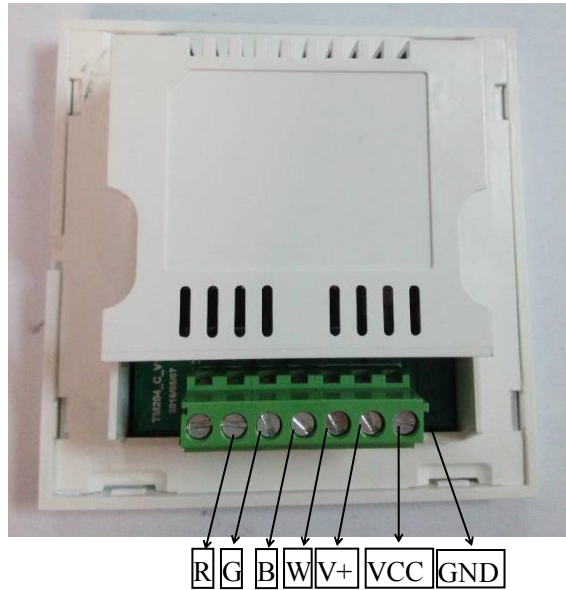
- 2.1 working temperature: 0-60°C
- 2.2 supply voltage: DC12V/24V
- 2.3 output: 4channel
- 2.4 connection mode: common anode
- 2.5 external dimension: L85×W85×H30mm
- 2.6 packing size:
- 2.7 net weight:
- 2.8 gross weight:
- 2.9 static power consumption:<0.7W
- 2.10 output current: ≤5A (each channel)
- 2.11 output power: 12V<60W, 24V<120W (each channel)

3. External Dimension



4. Interface introduction





- 4.1 GND: Cathode of supply power
- 4.2 VCC: Anode of supply power
- 4.3 V+: Anode of load light, common anode
- 4.4 R : Cathode of Red load light
- 4.5 G : Cathode of Green load light
- 4.6 B : Cathode of Blue load light
- 4.7 W: Cathode of White load light

5. Instruction for use

5.1 Keys: This controller has 4 touch button: Switch, M mode key, plus key, minus key

- 5.1.1 Press Switch can turn on / off the controller.
- 5.1.2 M mode key use for menu switching, press M key can switching to Built-in mode, Brightness, Speed, Power, Temperature, Time setting, Timing, Timing Scene.
- 5.1.3 Press plus key can select :built-in mode, increase brightness, increase speed, setting location move right of time setting and timing setting, Scene selection as well.
- 5.1.4 Press minus key can select built-in mode, reduce brightness, reduce speed, time setting ,timing setting and timing scene.

5.2 Menu: This controller menu includes: Built-in mode, Brightness adjusting, Speed adjusting, Temperature, Power, Time, Time setting, Timing Scene. Press "Menu" key can switch to different menu. English abbreviation " M、B、S、T、P、SCN" in left upper corner of the screen are correspondingly stand for "Built-in mode, Brightness adjusting, Speed adjusting, Temperature, Power, Timing Scene"

- 5.2.1 In " M " menu, press plus or minus keys can switch to different mold, 19 built-in modes in total.
- 5.2.2 In " B " menu, press plus or minus keys to change the brightness grade, 100 grades in total, *** means current mode brightness non-adjustable.

5.2.3 In “ S “ menu, press plus or minus keys to change the speed grade, 100 grades in total, *** means current mode speed non-adjustable.

5.2.4 In “ T “ menu, display the current room temperature.

5.2.5 In “ P “ menu, display the current output power.

5.2.6 In Time menu, display the current time, press the plus key to enter the time setting and time setting location move right. Press the minus key to set the time, when the cursor is removed completely, the time setting is successful. Note that if the cursor is not completely removed, set time will fail.

5.2.7 In Timing menu, display the time of timing, press the plus key to enter the time setting mode and time setting location move right. Press the minus key to set the timing time. When the cursor is removed completely, the timing time setting successful, as the cursor is not completely removed, the setting time invalid.

5.2.8 In SCN menu, set the scene you want to change when the timed time is up, press the plus or minus keys to select the scene, the scene includes switch and one of built-in modes..

5.3 Color ring: Touch color ring can adjust the light to corresponding color.

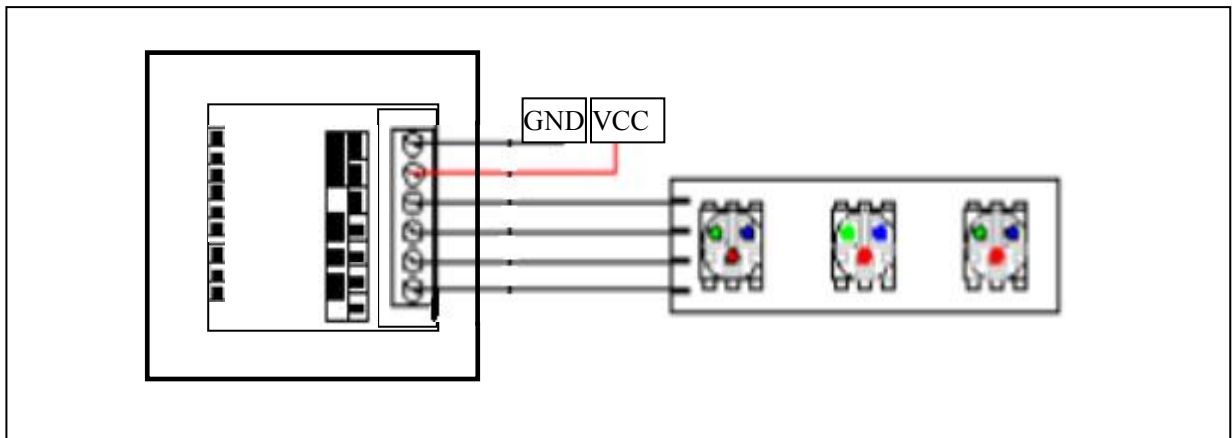
5.4 Built-in mode: This controller includes 19 built-in modes, each mode has different light effect. Press menu key switching to the built-in mode, press plus or minus keys to switch different mode. For example, when menu display M 6 means the current mode is the sixth built-in mode cyan color

Built-in mode are inclusive in below table:

Mode No.	Function	Remark
1	Static red	Brightness adjustable, speed non-adjustable
2	Static green	
3	Static blue	
4	Static yellow	
5	Static purple	
6	Static cyan	
7	R/G/B 3-color jump	
8	Yellow strobe	Brightness and speed adjustable
9	Purple strobe	
10	Cyan strobe	
11	White strobe	
12	7-color jump	

13	B/R gradual	Brightness non-adjustable, speed adjustable
14	B/G gradual	
15	R/G gradual	
16	3-color gradual	
17	7-color gradual	
18	R/G/B 3-color jump	
0	Turn off	

6. Typical application



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