Touch Active Controller
SC-WC11-C

Features:

@touch is designed to control low voltage RGB LED luminaires. It has 52 pro-positioned changing patterns. It features the unique touch interface technology with the function keys. The key beeps when user finger is on. User does not need to have even small pressure on the keys to create dynamic color patterns.

This user-oriented controller can make automatic recognition of 12V or 24V DC when it works with LED products, that means it is compatible with 12V DC and 24V DC. So it can be used for most RGB LED products in the market.

With PWM built in MCU, @touch can realize even and smooth dimming without flash. Thanks to the power MOS, the total driven current of the 3 channels can be up to 9A.
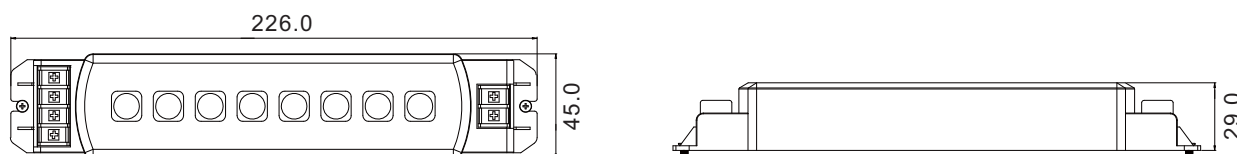
Function descriptions:

1.52color patterns	4.255 levels for brightness adjustment
2.Dimmable while on static colors	5.255 levels for speed adjustment
3. "pause" functions while doing skipping or gradual change	

Technical parameters:

Input voltage: DC 12/24V	Dimension: L226* W45 * H29(mm)
Output channel: RGB 3 channels	Weight: 126g
Input current(load): max. 3A each channel	Control distance:100m(in open condition)
Output power: max. 108W(12V input)/216W(24V output)	

Dimension(mm/inch):

226.0

45.0

29.0

Operation Descriptions:

1. keys function description

1).POWER key, power switch

2).PAUSE key, you can pause in gradient mode, and static color invalid

3).MODE+, Model plus

4).MODE-, Model reduction

5).SPEED+, Gradient speed plus, static color invalid

6).SPEED-, Gradient speed reduction, static color invalid.

7).BRT+, Brightness increases, the gradient mode is invalid

8).BRT-, Brightness reduce, the gradient mode is invalid.

2. the key role description of 8 key remote control (when the 8 key remote control is optioned)The key roles of remote control

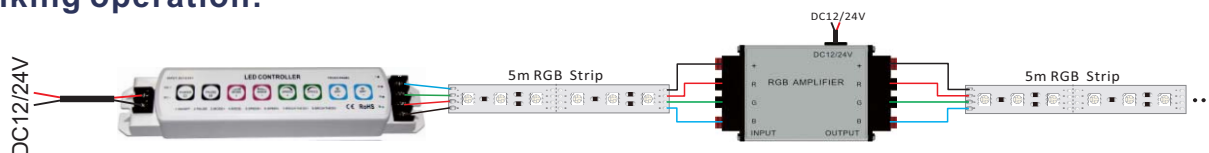POWER   Power on/off

PAUSE   Freeze the status when fade or jump, invalid under
                    static mode

MODE+   Mode +

MODE-   Mode-

SPEED+   Speed+, invalid under static mode

SPEED-   Speed-, invalid under static mode

BRT+   Brightness+, invalid under light fade mode except
                    pause is enabled

BRT-   Brightness-, invalid under light fade mode except
                    pause is enabled

3. Remote address learning (applies to the same model remote control in different encodings addresses, the 8 key remote control and touch remote control are in the same learning way)

1) Switch the Controller off

2) Push the "Pause" button

   - red light indicates pairing mode

3) Press any key on the remote to link them

   - 2 green flashes indicate successful pairing

Linking operation:

Color patterns:

1. Static red
2. Static green
3. Static blue
4. Static yellow
5. Static purple
6. Static cyan
7. Static white
8. Red-green jump change
9. Red-blue jump change
10. Green-blue jump change
11. Yellow-cyan jump change
12. Yellow-purple jump change
13. Cyan-purple jump change
14. red-green-blue jump change
15. yellow-purple-cyan jump change
16. red- green -blue -yellow -purple - cyan- white -jump change
17. red gradual change
18. green gradual change
19. blue gradual change
20. yellow gradual change
21. purple gradual change
22. cyan gradual change
23. white gradual change
24. red-green gradual change
25. red-blue gradual change
26. green-blue gradual change

27. yellow-cyan gradual change
28. yellow-purple gradual change
29. cyan-purple gradual change
30. red-green-blue gradual change
31. yellow-purple-cyan gradual change
32. red-green-blue-yellow-purple-cyan- white gradual change
33. red-green mixed color gradual change
34. red-blue mixed color gradual change
35. green-blue mixed color gradual change
36. red-green-blue mixed color gradual change
37. red flicker change
38. green flicker change
39. blue flicker change
40. yellow flicker change
41. purple flicker change
42. cyan flicker change
43. white flicker change
44. red green flicker change
45. red blue flicker change
46. green blue flicker change
47. yellow cyan flicker change
48. yellow purple flicker change
49. cyan purple flicker change
50. red-green-blue flicker change
51. yellow-purple-cyan flicker change
52. red-green-blue-yellow-purple-cyan- white flicker change

⚠ Notice:

1) Don't apply too much strength on the mode keys

2) Please be sure each channel has the max. load 3A. Overload in current may destroy the controller. Calculate the luminaire current before you connect it to @touch™ and power supply.

3) @touch™ uses constant voltage drive way so its working voltage is the same as its feeding power supply. Proper DC power supply needs to be selected for driving the controller and light luminaire.

4) @touch™ is an indoor used device. Install it in an circumstance which is dry.

5) 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.