1.INTRODUCTION

1.1 Thanks for choosing our LS0958B LED RGB controller.Before installation and usage,we strongly recommend that you to read the manual carefully.

1.2 when you receive the product ,please exam it . If the product has any damage ,don't use it , please contact the supply company

1.3 LS-0958B LED RGB controller is specially used in controlling the 4-line 3-loop LED's color changing.

It also can be controlled by a IR remote,this controller has big load ability up to 360W

2.INSTRUCTION

Please follow the manual's instruction to install

2.1 Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature

2.2 Check if the voltage and power adapter suit the controller & if anode or cathode definition is the same as the controller's

2.3 Don't connect cables with power on, make sure a correct connection and no short circuit checked with instrument before power on

2.4 Please don't open controller cover or operate if problems occur

3.FEATURES

3.1 Both key-press control and infrared remote control available. Remote control distance is 7meters.

3.2 4-line , 3-loop RGB control.

3.3 20 color varieties pattern procedure built in the controller,such as Single color,Flash,Strobe,Fade, Smooth

3.4 Big load capacity,the maximum power is 360W

3.5 Master-Slave mode available

3.6 Mode changing memory function

3.7 With screws for convenient installation

3.8 Working temperature:-20℃-45℃

3．9 Storage temperature:-20℃-45℃

4.SPECIFICATIONS

INPUT VOLTAGE: DC12V

OUTPUT VOLTAGE: DC12V

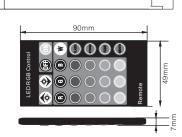OUTPUT POWER: 180W(The maximum output power of each loop is 60W)
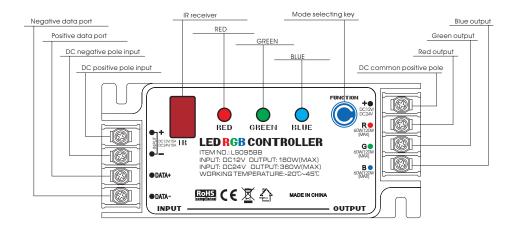
INPUT VOLTAGE: DC24V

OUTPUT VOLTAGE: DC24V

OUTPUT POWER: 360W(The maximum output power of each loop is 120W)
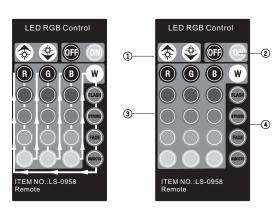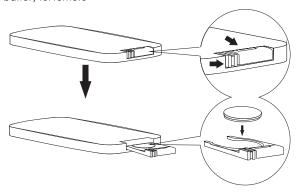
5.FUNCTIONS

5.1 Brightness adjusting keys(3 brightness rates)

5.2 ON-OFF keys

5.3 Color selecting keys—light color turns to the same color as the keys

5.4 Color changing pattern selecting keys--- Four modes:

FLASH--7 colors flashing
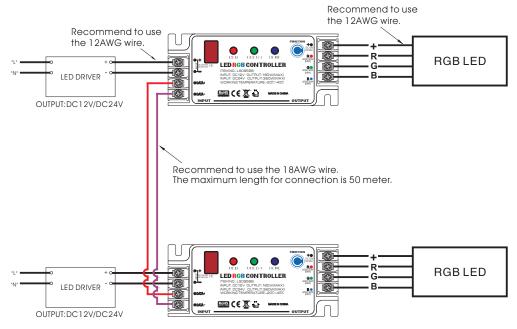
STROBE---Red, Green, Blue 3 colors strobing alternately

FADE—7 colors fading in and out

SMOOTH---7 colors fading in and out smoothly
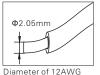
5.5 Replaceable battery for remote

6.CONNECTING

Recommend to use the 12AWG wire.

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OUTPUT:DC12V/DC24V

RGB LED

Recommend to use the 18AWG wire.
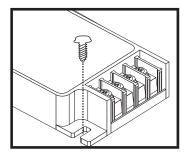The maximum length for connection is 50 meter.

OUTPUT:DC12V/DC24V

RGB LED

Mater-Slave mode connection must meet the following points:
6.1 The "DATA+" poles should be connected together in multi-controllers, the wire length between poles can not be longer than 50M
6.2 The "DATA-" poles should be connected together in multi-controllers, the wire length between poles can not be longer than 50M
6.3 Press any key on the remote firstly when the controllers start working to make them work synchronously.

Φ2.05mm

Φ1.024mm

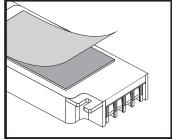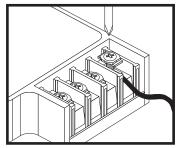Diameter of 12AWG wire

Diameter of 18AWG wire

7.INSTALLATION

7.1 Screw to install

7.2 Please rip PE adhesive tape on the back of the product, then stick to the objects where you want.

7.3 After connecting the wires , use screws to fix tightly

8.MAINTENANCE GUIDE

malfunction example	malfunction cause	resolution
Controller is not working, unable to control it manually or with a remote, the indicator light remains unchanged.	Wrong connection of input wires or too low input voltage.	Reconnect the input wires (anode "+", cathode"-"), and switch the power supply, to ensure the input meets the voltage requirement.
	Controller is in "OFF" mode.	Press "ON" button on the remote
The indicator lights are changing, but the output functions are not changing.	Lack of input voltage	Switch the power supply to ensure the input meets the voltage requirement.
	Wrong connection or imperfect contact of the RGB output ends.	Reconnect the output wires (anode "+", R,G,B to "R","G""B" separately)
The controller indicators are working normally, but the brightness of the loading lights is not enough	Lack of input voltage	Switch the power supply to ensure the input meets the voltage requirement.
	Imperfect contact of output wires	Reconnect the output wires to make sure of good contact
Overheating of controller	Input voltage is higher than required voltage.	Switch the power supply to ensure the input meets the voltage requirement.
	Not very well ventilation or ambient temperature is over 45℃	Change the location of the controller to make sure of good ventilation and the ambient temperature is below 45℃ .
In Mater-Slave mode, the controllers are not working synchronously	Wrong connection or bad contact of "DATA+" and "DATA-"	Reconnect the "DATA+" and "DATA-" poles to make sure of correct connection and good contact
	The "DATA+" and "DATA-" wires are too long (longer than 50M)	Reconnect the "DATA+" and "DATA-" poles to make sure the wire length is not longer than 50M.
	Not to press the remote when tarting to work	Press any key on the remote firstly when the controllers start working to make them work synchronously.
The IR remote is not working	Running out of battery	Replace battery

9.NOTICE

9.1 The input voltage should be the same as the rated voltage of the power load, which is between DC11.8V and DC24V. Otherwise the lifespan of the product will be badly shortened, or the product will be damaged.

9.2 The working ambient temperature should not be higher than rated working temperature. Otherwise the lifespan of the product will be badly shortened, or the product will be damaged.

9.3 Moisture-proof only, non-waterproof

9.4 To achieve a better effection,the 2nd and 3rd ways of connecting are recommended