Product Specifications

Name: Wireless Mini GRB Controller
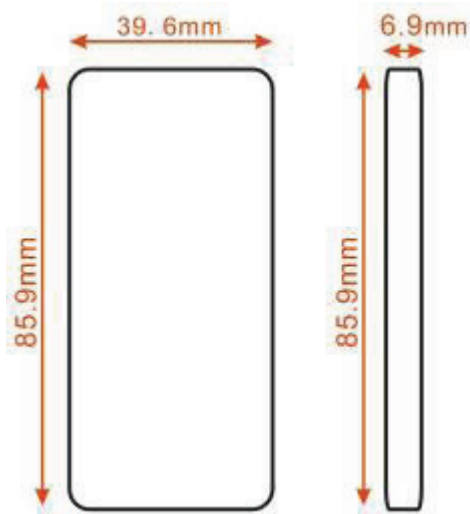**Model: KW-RF103**

I. Summarization

RF controller adopts the advanced micro control unit, with 433MHz wireless signal to do the controlling. It is used for controlling a variety of lamp whose source of light is LED. For instance, point source of light, flexible light strip, wall washer lamp, glass curtain wall light and so on. It has many advantages such as low price, easy connection, simplicity to use and others, etc. According to the customers' needs, it can realize gradual change, fadein dimming, jumping change, strobe, quick flash and other kinds of model. It is easy to take, simple to use, etc.

II.Technical parameters

- Working temperature: -20-60℃
- Supply voltage: DC5-24V
- Output: 3 channels
- Connection mode: common anode
- Controller dimension: L35.0 × W15.0 × H4.5mm
- Remoter dimension: L85.9 × W39.6 × H6.9mm
- Packing size: L123.0 x W90.0 x H13.0mm
- Net weight: 28g
- Gross weight: 33g
- Static power: <0.5W
- Output current: <2A (each channel)
- Output power: 5V<30W, 12V<72W, 24V<144W

III. External Dimension

Remoter dimension

Controller dimension

IV. Interface Specification

Input DC female: 5.5 x 2.1mm

Load output terminal 2.54 spacing row needles

V. Direction for use

A. Match code operating instructions:

Power on controller in 3 seconds, press ⬤ key can match code, the load light will flash 3 times when match code successfully, it only can match the code 1 time before power off. If you need match code again that need to power off and than power on.

B. Remote instructions:

This remote have 10 buttons:

⏻ Turn on/off key.

DEMO Automatic play key, press this key, each dynamic mode will run three times in turn.

COLOR+ COLOR− Switch to static color mode from dynamic mode, and change the static color

forward/reverse direction.

(BRIGHT +) (BRIGHT −) Switch to static color mode from dynamic mode, and change the brightness forward/reverse direction, it has 5 levels.

(MODE +) (MODE −) Switch to dynamic mode from static color mode, and change the dynamic mode forward/reverse direction.

(SPEED +) (SPEED −) Switch to dynamic mode from static color mode, and change the speed forward/reverse direction, it has 10 levels.

C. The line sequence of the controller is RGB, the color will be changed in other sequence if it is in other line sequence. Base on the RGB sequence, the modes table is as below:

	1	Red quick flash	2	Green quick flash	3	Blue quick flash
Dynamic mode	4	Yellow quick flash	5	White quick flash	6	Three colors quick flash
	7	Three colors flash	8	Three colors jump changing	9	Six colors jump changing
	10	Red fade in and fade out	11	Yellow fade in and fade out	12	Green fade in and fade out
	13	Cyan fade in and fade out	14	Blue fade in and fade out	15	Purple fade in and fade out
	16	White fade in and fade out	17	Three colors fade in and fade out	18	Seven colors fade in and fade out
	19	Seven colors gradual changing				
Static mode	1	Red	2	Orange	3	Dark yellow
	4	Yellow	5	Light yellow	6	Green
	7	Light green	8	Cyan	9	Light blue
	10	Sky-blue	11	Blue	12	Dark blue
	13	Blue-purple	14	Purple	15	Brown
	16	White	17	Ivory	18	Pink-white
	19	Yellow-white	20	Blue-white		

VI. Typical Applications