

HX-SZ600-DIM14K

Category: Tunable White / CCT Controllers

Source model: HX-SZ600-DIM14K

Internal reference: HOION-CTRL-026

Product Overview

14-key RF Dimming Controller

RF Dimming Controller adopt the most advanced PWM (Pulse Width Modulation) digital dimming technology, especially design for single color led strip. Adopt handheld wireless touch remote control and Wall-mounted touch panel remote control. 5 function buttons and 1 dimming ring in the center, all buttons are in the touch form, and the dimming ring has 128 levels in different brightness value. Particularly, there is a sense light in the remote control center. It shows t

Technical Details

Product Feature

Designed for single color constant voltage LED lights, Working voltage DC12-24V.

Two channels output, Max. load current: 2CH*10A; Max. load power: 360W/12V; 720W/24V.

Adopts RF 14keys remote control with fashion appearance, no need line-of-sight. Control range up to 20 meters.

Memory function, each time power-on reserve the mode which stop in the last power-down.

The brightness of static color is adjustable, 256 levels in total; the speed of dynamic changes is adjustable, 100 levels in total.

Long-press the brightness and speed key can get the fast adjustment, convenient for operation.

Multiple controllers can work synchronically when connected by network cable through the RJ45 connector, the network cable between 2 ports up to 100 meters.

Warranty of this product is two years, exclude the artificial situation of damaged or overload working.

Technical Parameters

Controller

| Working temperature | -20-60℃ | Supply voltage | DC12V-24V

| Static power consumption | <1W | Connecting mode | common anode

| Grayscale | 256 levels | Speed stage | 100 grade

| External dimension | L91*W88*H24 mm | Packing size | L108*W108*H50 mm

| Net weight | 220g | Gross weight | 255g

| PWM frequency | 400Hz | Remote distance | Up to 20M

| Output | 3 channels | Output current | ≤10A(each channel)

| RF frequency | 433.92Mhz | Memory function | support

| Max. Output power | 12V:<360W, 24V:<720W

Remote control

| Working temperature | -20℃-60℃ | Supply voltage | DC3V¼CR2025¼

| Standby current | <3.3uA | Working current | <12mA

| Standby power | 9.9uW | Working power | 36mW

| Net weight | 30g | RF frequency | 433.92MHz

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| External dimension | L85*W51*H6 mm | RF distance | ≤20m

External Dimension

Packing box: L108*W108*H50 mm
(controller & remote control)

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Interface Specifications

Connection: V+ → COM, CH1 → V-, CH2 → V-, CH3 → V-

Direction for use

Connect the load wire at first, following by the power wire; Please ensure short circuit can not occur between connecting wire before you turn on the power.

This product adopts

RF 14-key remote control, the function of each button as below:

| OFF | | ON

|

| 25% level | 50% level | 75% level | 100% level

| Scene 1 | Scene 2 | Scene 3 | Scene 4

|

| Delay Off | Brightness

| Speed- | Brightness

| Speed+ | Dynamic mode

Mark:

1. Delay off, this function is design to auto delay off the lighting 30 seconds.
2. There have 4 DIY buttons designed for scene memory. Pressing it first, and DIY the scene, and press it again, and finish.

2 modes in total as below:

| NO | Patterns | Remarks

| 1 | flash | Speed is adjustable, brightness is unadjustable

| 2 | fade

Matching code operation

Driver and Remote Control are coded as default, matching them before using, if unique-control or new-coded-remote is needed, pairing the remote and the receiver as below operation instruction before using:

1.

Step 1 : Pressing key "DELAY OFF" and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

2.

Step 2 : Pressing " DELAY OFF" 3times in 3 seconds ,corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.

3.Code learning successfully, the receiver only can be controlled by the remote.

4.If not, please re-operate from step 1 to 2.

Clear code operation

Back to factory default, wall-panel can be controlled by any one the same remote control.

1.

Step 1 : Pressing key "FUN" and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

2.

Step 2 : Pressing " FUN" 3times in 3 seconds ,corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.

3.Code clearing successfully, the LEDs will be back to the status before the power off, and the receiver can be controlled by any remote control(any one the same remote control can be used to clear the code).

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4.If not, please re-operate from step 1 to 2.

Typical Applications

Power and LED's connection diagram1:(Connection: V+→COM→CH1→V-→CH2→V-→CH3→V-)

Conjunction diagram 2: (Synchronization function with network Line)

Tips: The green signal indicator light will uniform flash with proper communication, and will off with any incorrect signal connection (like: poor contact, confused input and output, wrong wire order).

Source reference: <https://www.hoionlighting.com/products/LEDdiaoguangqi/LEDshuangsewenkongzhiqi/2021/0417/333.html>