

HC-LV

Category: LED Dimming Drivers and Accessories

Source model: HC-LV

Internal reference: HOION-CTRL-106

Product Overview

2.4G Wireless-sync-control dimmer for Constant Voltage CCT LED fixture HCBK-LV is a low-voltage controller with advanced PWM control technology, used to control a variety of dual-white led lamp, such as: constant voltage dual-white LED strips, line lights, panel lights and so on. It adopts 2.4G wireless remote control mode and excellent synchronization technology, you can achieve all the controller wireless synchronization working and make wiring more simple and convenient.

Technical Details

Features

1. Adopts PWM DIMMING TECHNOLOGY to achieve high quality dimming effect:
 - Achieve high precision linear dimming, non-flicker
 - High-quality delicate & soft dimming effect
 - Input/output voltage: DC12-24V; Max. output current: 8A*2CHs
2. Wireless -control features:
 - RF 2.4GHz, two-way signal communication
 - Adopting patented technology--Air Self-inspection Sync control—unlimited by remote control distance, more drivers better sync-working
 - Compatible with Tuya APP control system, achieve WIFI intelligent control by mobile phone
 - Independent buttons for ON and OFF, reliable remote-control function
 - Items remote control for options, contain 1-zone and multiple-zone remote control solutions
3. Design for: constant voltage dual-white led strips/modules.
4. 3 years warranty.

Technical Parameters

| Working temperature | -20-60℃ | Supply voltage | 12~24V

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

| Grayscale | 1024 levels | PWM frequency | 3KHZ

| N. weight | 70g | G. weight | 80g

| External dimension | L115*W45*H31 (mm) | Packing size | 143*49*39mm

| Output channels | 2channels | Output current | 8A each channel in Max.

| Remote distance | ≤30m | RF frequency | 2.4GHz

| Memory function | yes | Mode | 3

| Output power | 12V:<192W, 24V:<384W | Sync-working | yes

Interface Specifications

Wire specifications recommend

1/4"

Input wire

1/4" three-core PVC plastic wire H05VV-F 1/4" diameter =0.72mm 1/4" VDE certificate 1/4" core 3*1.0mm². 300/500V 1/4" Stripping 11mm and tin dipping 3mm for the end of wire which is directly connect with the driver.

Output wire

1/4" three-core PVC plastic wire 1/4" diameter =0.5mm. Stripping 11mm and tin dipping 3mm for the end of wire which is directly connect with

the driver.

Connection diagram

Product compatibility Remote control optional

| Item: HX-RFBT-2.4G 1 zone | Item: HX-RFBT10-2.4G (4 zone) | Item: HX-RFBT12-2.4G 1 zone

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| Item: HX-RFBT15 1 zone | Item: HX-HWP86-CCT-4S 4 zone | Item: HX-HWP86-XSP 4 zone

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| Item: HX-HWP86-SR PIR/Lux-sensor | Item: HX-WP86-AP (RF signal repeater) | Item: HX-TUYA-2.4G-CCT

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Typical Applications

1) Compatible with a variety of models of remote control at the same time, could be matched according to project situation

2)

Wireless-synchronization function

Receivers which with wireless-synchronization functions will transmit the control signals from the remote control and self-inspection the work statues for each other, so multiple receivers in same zone will wireless-sync-work completely, not only static mode but also dynamic mode, to achieve wired-like operation experience. The distance up to 20 meters between remote control to receiver, and up to 10 meters between 2 receivers. RF wireless signal repeater is suggested in over range distance or when the workable distance is shorter by the materials of space, the effective range up to 30 meters.

3) 1 zone remote typical application, multi drivers could be wireless-sync controlled by the same one remote control.

4) 4 zones remote typical application, multi drivers could be controlled in each zone. 4 zone could be respectively and allover controlled

5) With TUYA-2.4G converter module, it can realize mobile phone intelligent lighting system control

Tips:

1) If the lamp turned off by remote control, it also can restart the lamp directly by the AC power switch(No-flicker driver need to restart after turn off the power switch and discharge for 5s.

2) If the lamp is light up without any operation in 167 hours, the driver will turn off the lamp automatically. It will recount the time if there is any operation from power switch or remote control.

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

4) For operations and precautions related to lighting system settings, please refer to the operating instructions of the relevant remote control.

Source reference: <https://www.hoionlighting.com/a/pics/ledkongzhiqi/2021/0416/296.html>