

HX-D011/D012/D013/D014-RFBT15

D01 series WIFI led controller for DIM/CCT/RGB/RGBW

Controller adopts the most advanced PWM (Pulse Width Modulation) digital control technology, it is used for controlling constant voltage LED lamps. For instance, point source of light, flexible light strip, led modules, led strings and so on. D011 for single color, D012 for dual white, D013 for RGB, D014 for RGBW. The WIFI control technology powered by Tuya.



Product Features

- WIFI technology powered by Tuya.
- Short-circuit protection.
- DC12-24V, four channels output, Max. load current: 4CH*4A; Max. load power: 192W/12V; 384W/24V.
- RF remote control is optional, compatible remote control item: RFBT15.
- Memory function, each time power-on reserve the mode which stop in the last power-off.
- Designed for constant voltage LED lights, D011 for single color, D012 for dual white, D013 for RGB, D014 for RGBW.
- Warranty of this product is three years, exclude the artificial situation of damaged or overload working.

Technical Parameters

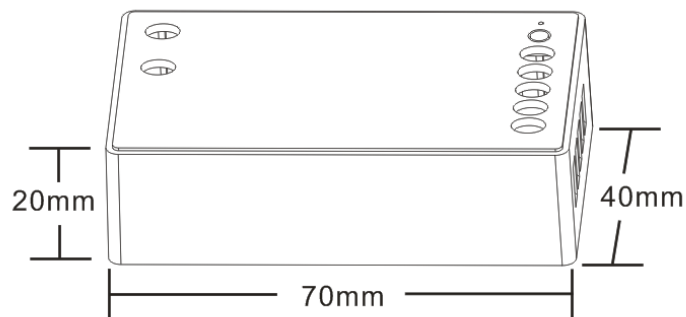
Controller

Working temperature	-20-60℃	Supply voltage	DC12V-24V
Static power consumption	<1W	Connecting mode	Common anode
Grayscale	1024 levels	Speed stage	1024 levels
External dimension	L70*W40*H20 mm	Packing size	L95*W47*H33mm
Net weight	65g	Gross weight	80g
RF frequency	2.4GHz	RF distance	≤20m
Short circuit protection	Yes	Memory function	Yes
Output	4 channels	Output current	≤4A(each channel)
PWM frequency	1KHz	Max. Output power	12V:<192W, 24V:<384W

Remote control (optional)

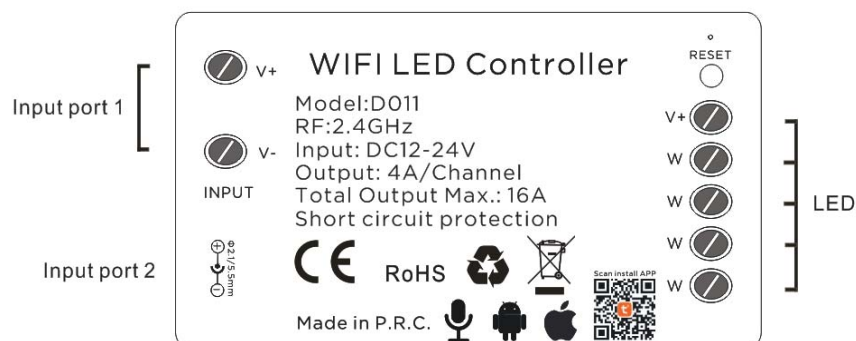
Working temperature	-20-60℃	Working voltage	3V(AAA*2PCS)
Sleep current	<25uA	Emission current	<17mA
Sleep power consumption	<75uW	Emission power consumption	<51mW
Net weight	80g	Dimension	Φ60*35mm
RF distance	≤30m	RF frequency	2.4GHz
Accessories	holder 1pc, 3M foam sponge glue 1pc.		

Dimensions

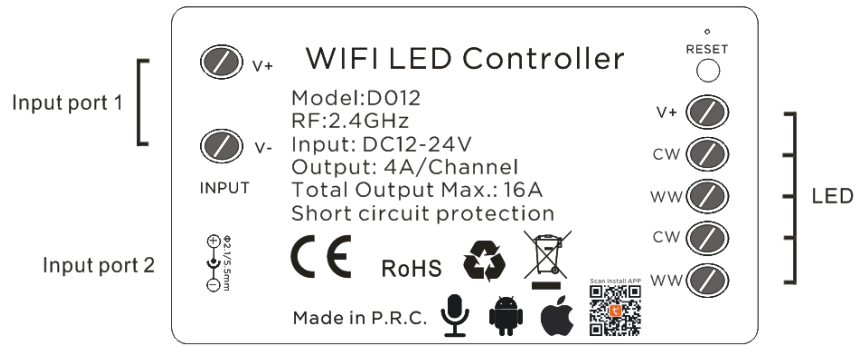


Interface Specifications

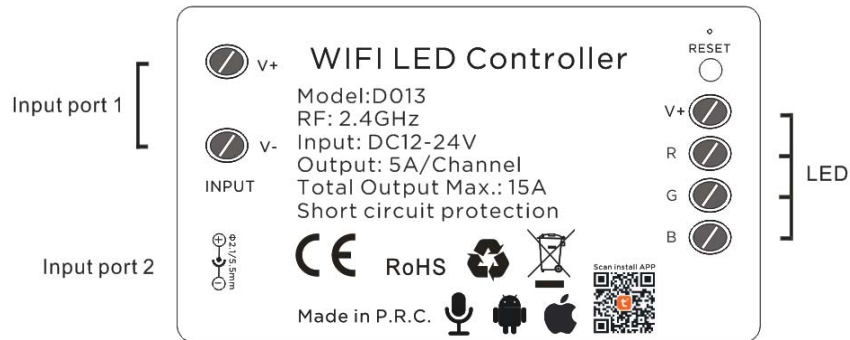
D011: V+, W, W, W, W



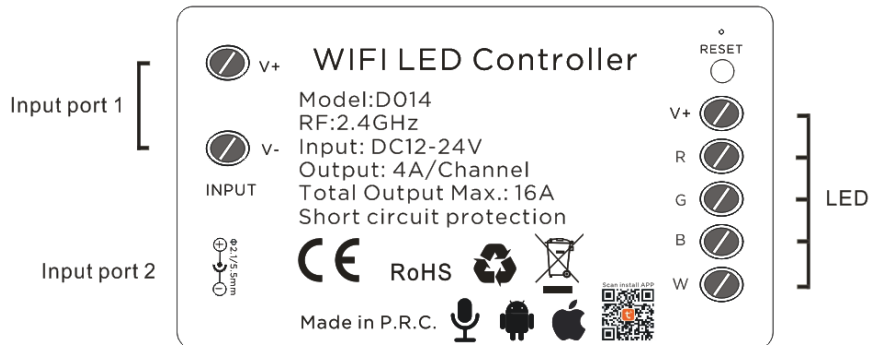
D012: V+, CW, WW, CW, WW



D013: V+, R, G, B



D014: V+, R, G, B, W



Direction for use

WIFI controlled by Tuya Application

Long-pressing “Reset” button for 5 seconds to start the connection with APP. Please read operation instruction of App, or following the pop-up prompt message with the APP, to finish the rest connection.

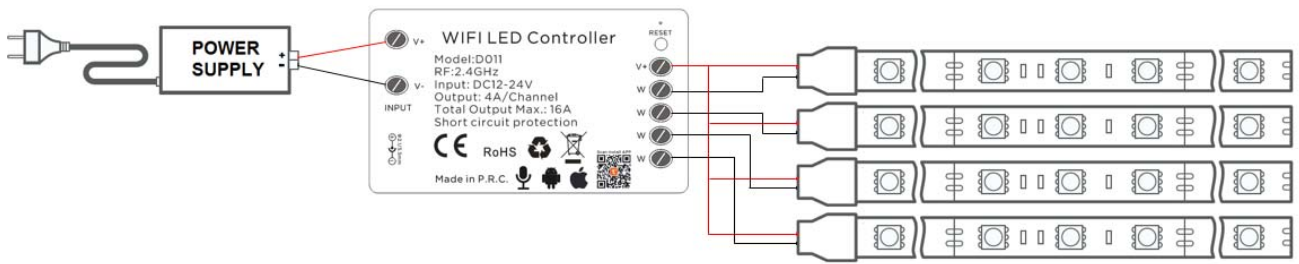
Compatible application:  (Tuya)

Remote controlled by RFBT15

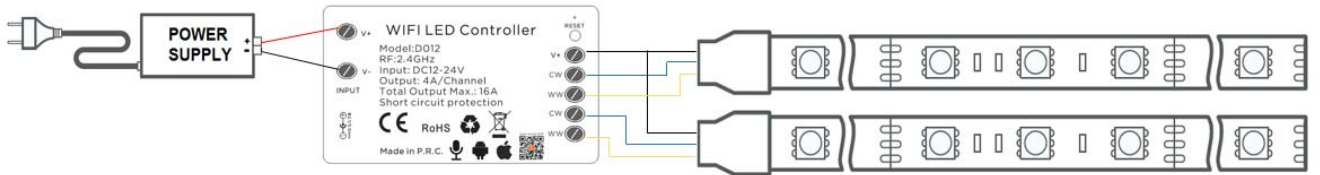
Please pair the controller to RFBT15 remote control before using. The operation instruction and functions can be find from manual of RFBT15 remote control.

Typical Applications

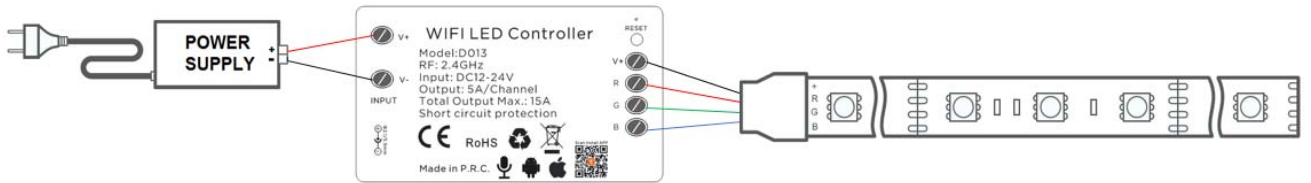
Application Circuit of D011: single color



Application Circuit of D012: CW+WW



Application Circuit of D013: RGB



Application Circuit of D014: RGBW

