F2-D(WT)+RC2

3-Button WiFi & IR CCT LED Controller

- WiFi & IR 2 channel constant voltage CCT LED controller.
- 2A per channel, output connects with 5 meters CCT LED strip.
- 3 button operation with on/off, CCT and brightness adjustment.
- Tuya APP cloud control, support on/off, color temperature and brightness adjust, delay turn on/off light, timer run, scene edit function.
- Voice control, support for Amazon Alexa, Google Assistant, Tmall Genie and Xiaodu voice assistant.
- 4096 levels 0-100% dimming smoothly without any flash.





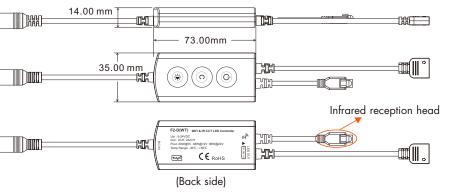


Technical Parameters

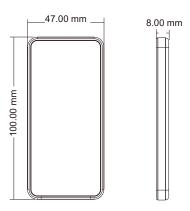
Input and Output		Dimming data		Safety and EMC	
5-24VDC	Input signal	WiFi + IR + 3 button	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4	
5-24VDC	Control distance	10m(Barrier-free space)			
2CH,2A/CH	Dimming gray scale	4096 (2^12) levels	Safety standard	EN 61348-1:2015+A1:2021 EN 61348-2-13:2014+A1:2017	
20W@5V Output power 48W@12V 96W@24V	Dimming range	0-100%			
	Dimming curve	Logarithmic	Certification	CE, EMC	
	PWM Frequency	2KHz (default)	Package		
Ta: -30° C ~ +50° C	Warranty	5 years	Size	L110 x W57 x H28mm	
Tc: +85°C	Protection	Over heat	Gross weight	0.086kg	
	5-24VDC 2CH,2A/CH 20W@5V 48W@12V 96W@24V Ta: -30° C ~ +50° C	5-24VDC	5-24VDC Input signal WiFi + IR + 3 button 5-24VDC Control distance 10m(Barrier-free space) 2CH,2A/CH Dimming gray scale 4096 (2^12) levels 20W@5V 48W@12V 96W@24V Dimming range 0-100% Dimming curve Logarithmic PWM Frequency 2KHz (default) Ta: -30° C ~ +50° C Warranty 5 years	5-24VDC Input signal WiFi + IR + 3 button EMC standard (EMC) 5-24VDC Control distance 10m(Barrier-free space) 2CH,2A/CH Dimming gray scale 4096 (2^12) levels 20W@5V 48W@12V 96W@24V Dimming range 0-100% Dimming curve Logarithmic Certification PWM Frequency 2KHz (default) Package Ta: -30°C ~ +50°C Warranty 5 years Size	

Mechanical Structures and Installations

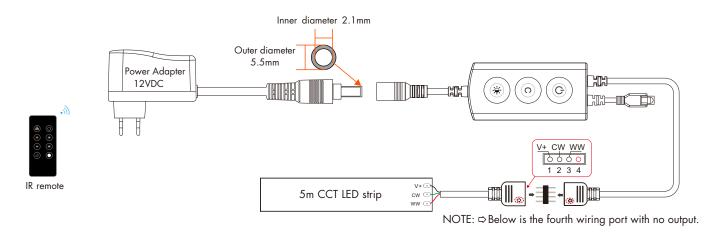




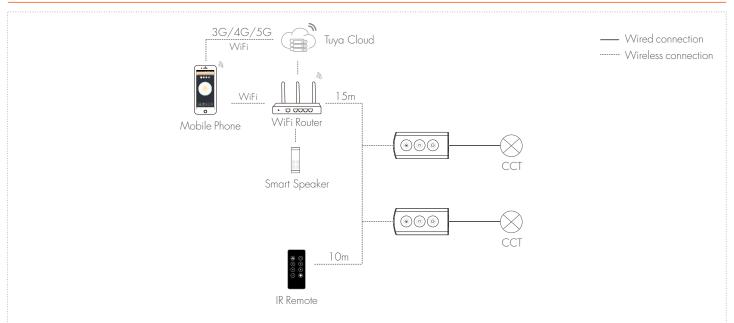
Remote size:



Wiring Diagram



System wiring



Note:

- 1. The above distance is measured in spacious (no obstacle) environment, Please refer to the actual test distance before installation.
- 2. Please check if the WiFi router net in 2.4G band, the 5G band is not available, and do not hide your router network.
- 3. Please keep the distance between F2-D(WT) devices and router close, and check the WiFi signals.
- 4. WiFi signal strength detection: open the main interface of social security, click Z enter the device interface, click "check device network" for testing.

Button function



: Turn on or off light.



- : Adjust color temperature, short press to switch between 3 color temperatures (WW, NW and CW), long press 1-6s for continuous 256 levels adjustment.

: Adjust brightness, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.

Note

- 1. Press and hold the 🕲 and 🏵 button for 2s, output LED flashes 3 times, the light on/off fade time will change between 3s and 0.5s.
- 2. Press and hold the (a), (c) and (a) button for 2s, output LED flashes multiple times, switch between"+, CW, WW" (flashes 1 times) and "+, WW CW" (flashes 2 times) output sequences, default is "+, CW, WW" order.

Key function of IR remote controller



- (b) : Turn on/off the light.
- : Short press switch between 3 color temperature (warm white, neutral white, cool white).
- (*)(*) : Color temperature +/-, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.
- * Brightness-/+, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.
- · Singlimicatory it, and it process to locately read to see that each contains and parameter.
- : Brightness 100%.

Notes:

1. The IR remote control does not need to be paired and can be controlled directly.

: Brightness 10%.

2. When the remote control distance is far, the infrared remote control needs to be aimed at the infrared reception head of the dimmer.

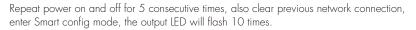
Tuya APP network connection

Please download the corresponding tuya/smart life app according to your region.

Press and hold (a) and (b) button for 2s:

clear previous network connection, enter Smart config mode, the output LED will flash 10 times.

Press and hold (a) and (c) button for 5s: Clear previous network connection, enter AP config mode, the output LED will flash 5 times. If smart config failed, please try AP config.



If Tuya APP network connection succeed, the output LED will stop flash, and in Tuya APP, you can find CCTc device .



Smart life APP

Tuya APP interface



CCT interface

Touch color circle to adjust the color temperature. Touch brightness slide to adjust brightness.



Scene interface

The 1-4 scene is static color. the inner color of these scene can be editable.





Music, Schedule, Timer

The music play can use smart phone music player or micro-phone as music signal input.

The Schedule key can add multiple timers to turn on or turn off light according to different time periods.

The Timer key can turn on or turn off light in the next 24 hours.

Dimming Curve

Linear dual color tuning

