CONTROL.CV
rev:

linea light

i-LÈD

Interface Specifications

C-E700002

- LED strips output signal

W4 W3 W2 W1 +
CW WW CW WW +
W B G R +
LED OUTPUT

4CH LED Controller
Uout=4×(12-24)VDC
Iout=4×3A
Pout=4×(36-72)W
Ta: -30℃~+55℃

2.4G

CE RoHS

RGBW RGB
CCT DIM ON
Push-Dim
IN COM
INPUT 12-24VDC
− +

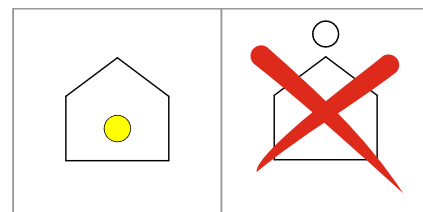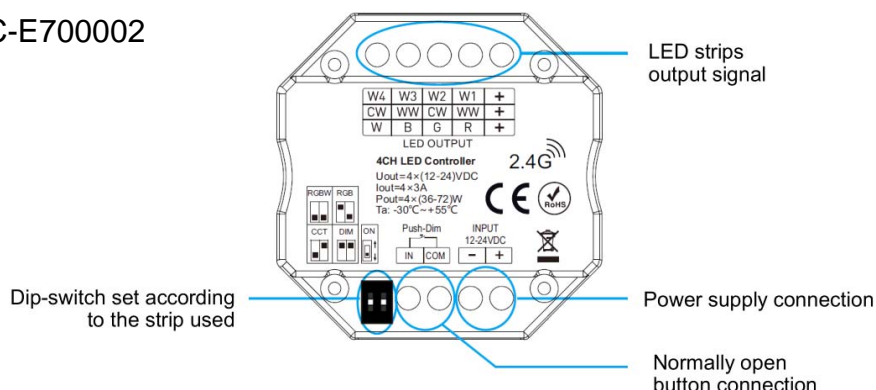Dip-switch set according to the strip used

- Power supply connection
- Normally open button connection
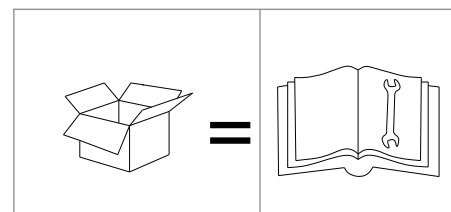
Features:

● RF remote control+ WIFI control(Tuya smart APP)+Push.

● Set as single color, dual color, RGB or RGBW controller by DIP switch.

●Auto-transmitting function: Controller automatically transmit signal to another controller with 10m control distance.Synchronize on multiple number of controllers.

● Easy to be placed in standard wall junction box behind a push switch.

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

Technical Parameters

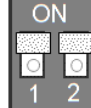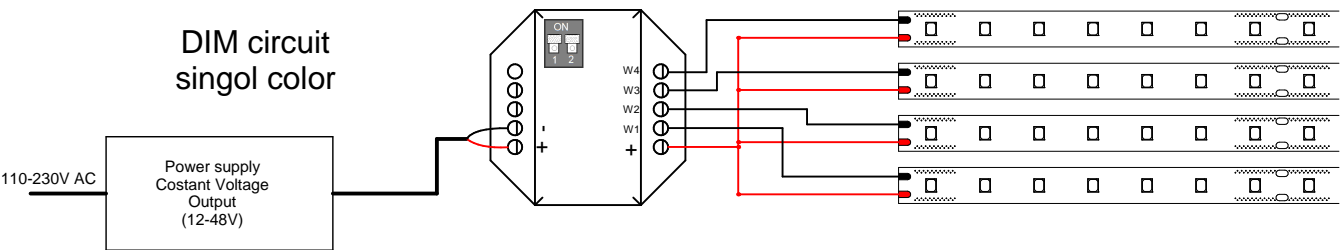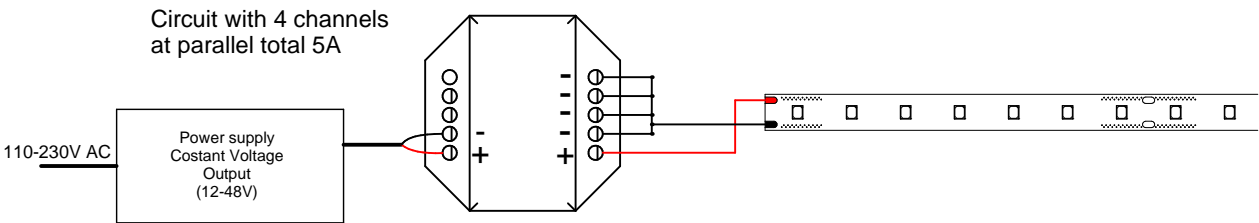| Input	DC 12-48V
RF frequency	2.4GHz
RF distance	≤20m (without obstacles)
Max. Output current	3A/CH*
	*If 4 channels at parallel total 5A
Max. Output power:	12V = 36W/ch
	24V = 72W/ch
	48V = 144W/ch
PWM frequency	2KHz
Connecting mode	Common anode
Working temperature	-30/45°C
Standby power consumption	<1W
Short-circuit protection	Yes
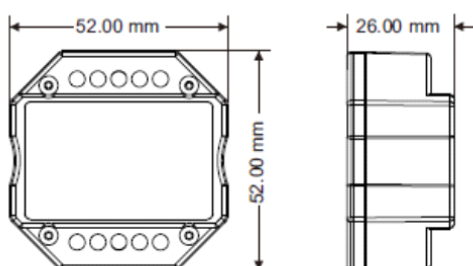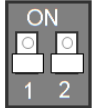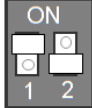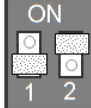
Safety information

1. The product shall be installed and serviced by a qualified person.
2. The product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good vantilation.
4. Please check if the output voltage of any power supplies used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

Dimensions

52.00 mm 26.00 mm 52.00 mm

i-LÈD

DIP switch settings

Setting the type of output as blow, please ensure the DIP switch in correct state according to the loading LED's type:

RGBW	RGB	CCT	DIM

(DIP switch & output type)

Push dim   Push dim

IN
COM
-
+   +

max 50m

Circuit with 4 channels
at parallel total 5A

110-230V AC

Power supply
Costant Voltage
Output
(12-48V)

-          +

+

DIM circuit
singol color

W4
W3
W2
W1
+

110-230V AC

Power supply
Costant Voltage
Output
(12-48V)
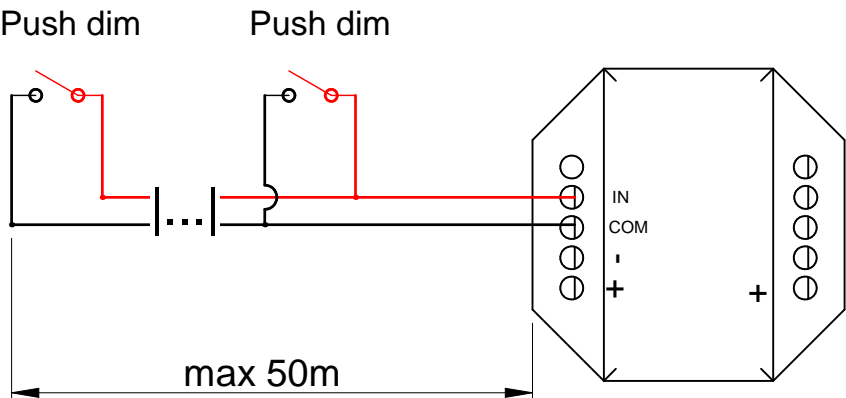
Dimming Single color	Click	ON/OFF
	Double Click	Turn on/off 100% or 10%(night light) and vice-versa
	Long press(>1s| from OFF	Dimming UP/DOWN
	Long press(>1S| from ON	Dimming UP/DOWN

CCT circuit
Dual color

110-230V AC

Power supply
Costant Voltage
Output
(12-48V)

ON
1 2

CW
WW
CW
WW

- +   - +
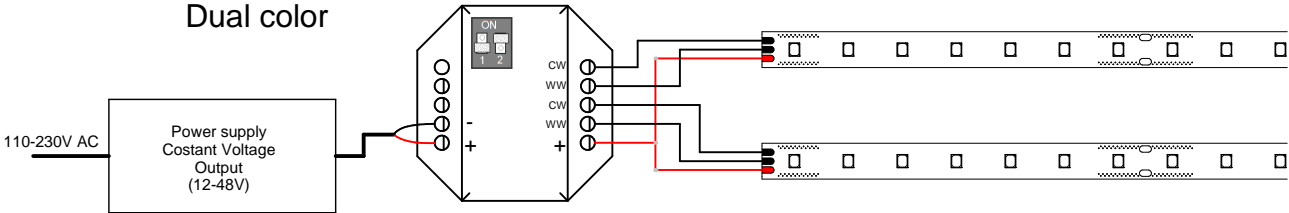
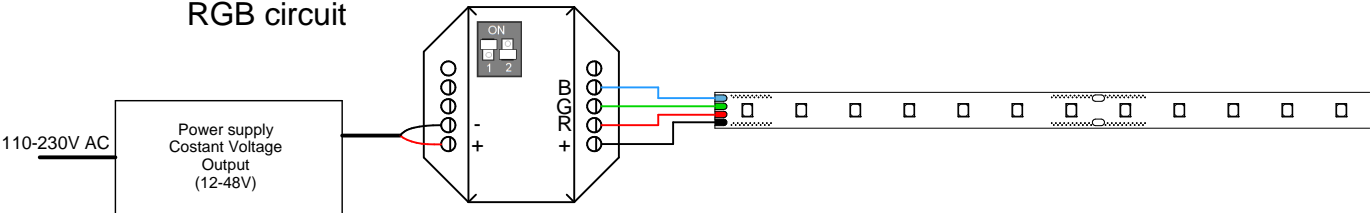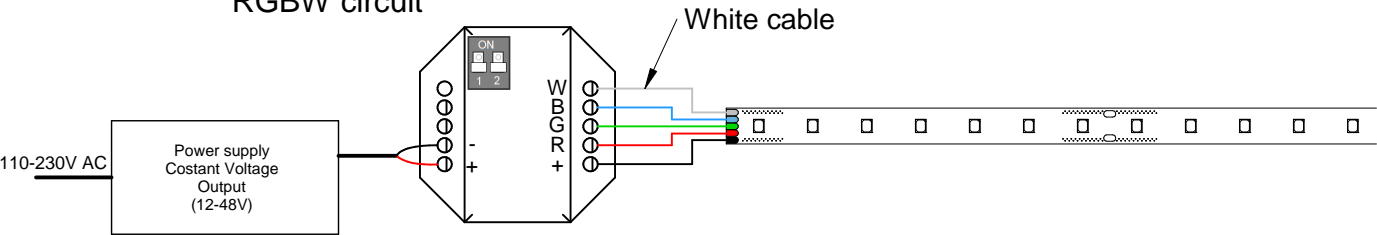| CCT Dual color	Click	ON/OFF
ON 1 2	Double Click	Turn on/off 100% or 10%(night light) and vice-versa
	Long press(>1s| from OFF	Color temperature UP/DOWN (turn off and turn on to return dimming)
	Long press(>1S| from ON	Dimming UP/DOWN

RGB circuit

110-230V AC

Power supply
Costant Voltage
Output
(12-48V)

ON
1 2

B
G
R

- +   - +

RGB	Click	ON/OFF
ON 1 2	Double Click	Change from color mode to white mode (RGB mixed) and vice-versa
	Long press(>1s| from OFF	If on color mode change rotation speed / If on white mode dimming UP/DOWN
	Long press(>1S| from ON	If on color mode start/stop color rotation / If on white mode dimming UP/DOWN

RGBW circuit

White cable

110-230V AC

Power supply
Costant Voltage
Output
(12-48V)

ON
1 2

W
B
G
R

- +   - +

RGBW	Click	ON/OFF
ON 1 2	Double Click	Three color modes, double-click White mode (only white), double-click RGB mode, double-click RGBW mode (RGB+White color)
	Long press(>1s| from OFF	If on RGB mode change rotation speed / If on white mode or RGBW mode, White dimming UP/DOWN
	Long press(>1S| from ON	If on RGB mode start/stop color rotation / If on white mode or RGBW mode, White dimming UP/DOWN

RGB
&
RGBW

Color rotation:

We can select 4 rotation speed:

10 flash/s means 6 seconds color rotation, 5 flash/s means 30 seconds color rotation,
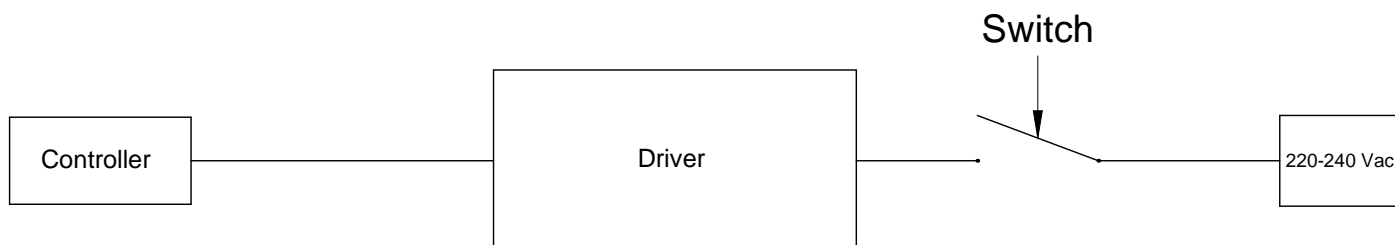
2 flash/s means 1minute color rotation, 1 flash/s means 6 minutes color rotation.

WIFI controlled by Application to archive smart control.

**Reset the control unit when switched on: switch the power supply marked in the drawing off and on again;
The off-on operation must be performed 5 times;
Then the LED source will start flashing and it will be possible to connect the device via the app within three minutes after the start of the flashing.**

- Search in your mobile store "Tuya" application or "Smart Life" and register it to get your home account.
- And compatible with voice control via Amazon Alexa, Google Assistant, Yandex Alice and so on.

A switch between the power supply (220-240 Vac) and the Driver is required in oder achieve wifi pairing

Switch

| Controller | | Driver | | 220-240 Vac |

Malfunctions analysis and troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power 2. Wrong connection or insecure	1. Check the power 2. Check the connection
Wrong color	1. Wrong connection of R/G/B/W wires	1. Reconnect R/G/B/W wires
Uneven intensity Between front and Rear, with voltage drop	1. Output cable in too long 2. Wirre diameter is too small 3. Overload beyond powwer supply capability 4. Overload beyond controller capability	1. Reduce cable or loop supply 2. Change wider wire 3. Replace higher power supply 4. Add power repeater
No response From the remote	1. The battery has no power 2. Beyond controllable distance 3. The controller did not match the remote	1. Replace battery 2. Reduce remote distance 3. Re-match the remote