T1-1, T2-1, T3-1, T4-1

Wall Mounted Touch Panel

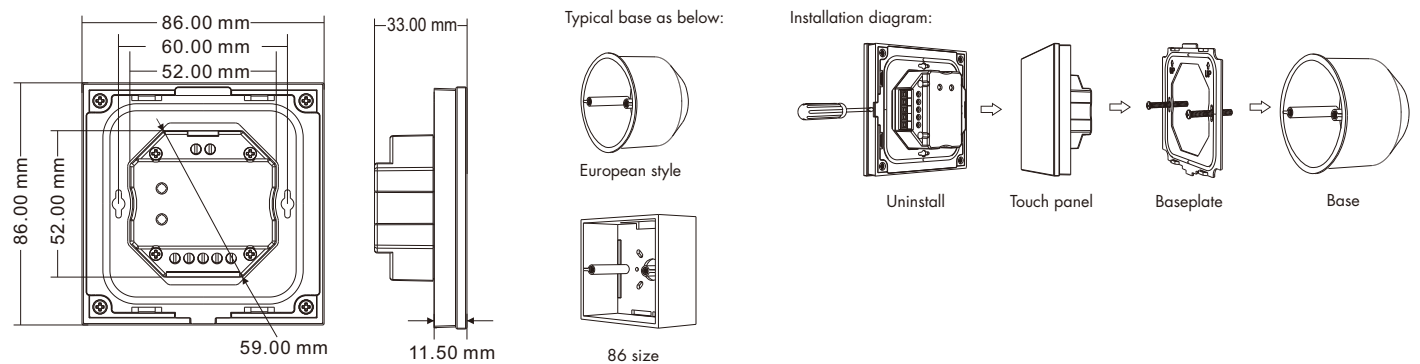**RF DIM/CCT/RGB/RGBW**

T1-1 | T2-1 | T3-1 | T4-1

- Touch panel single color, dual color, RGB or RGBW PWM constant voltage controller.
- Ultra sensitive high strength glass touch panel with touch color slide in the middle.
- Compatibility with RF 2.4G single zone or multiple zone remote control.
- White & Black glass panel available.

CE RoHS RED

Technical Parameters

Input and Output

Model No.	T1-1	T2-1	T3-1	T4-1
Input voltage	12-48VDC	12-48VDC	12-24VDC	12-24VDC
Input current	10.5A	10.5A	12.5A	12.5A
Output voltage	2 x (12-48)VDC	2 x (12-48)VDC	3 x (12-24)VDC	4 x (12-24)VDC
Output current	2CH, 5A/CH@12-24V 3A/CH@36-48V	2CH, 5A/CH@12-24V 3A/CH@36-48V	3CH,4A/CH	4CH,3A/CH
Output power	120-288W	120-288W	144-288W	144-288W
Output type	Constant voltage	Constant voltage	Constant voltage	Constant voltage
PWM frequency	1K/2K/8K/16KHz	2K/8KHz	1KHz	1KHz
Light type	Single color	Dual color	RGB	RGBW

Safety and EMC

EMC standard	EN 62479:2010 ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Radio Equipment	ETSI EN 300 328 V2.2.2
Certification	CE RED

Environment

Operation temperature	Ta: -30℃ ~ +55℃
Case temperature (Max.)	Tc: +85℃

Package

Size	L112 x W112 x H50mm
Gross weight	0.231kg

Mechanical Structures and Installations

86.00 mm
60.00 mm
52.00 mm
86.00 mm
52.00 mm
59.00 mm
33.00 mm
11.50 mm

Typical base as below:
European style
86 size

Installation diagram:
Uninstall — Touch panel — Baseplate — Base

Match Remote Control (two match ways)

The touch panel controller can also match with the RF remote (optional).
End user can choose the suitable match/delete ways. Two options are offered for selection:

Use On/Off key

Match:
Turn on light, turn off, immediately press the On/Off key of the panel for 5s,
then press on/off key (single zone remote)
or zone key (multiple zone remote) of the RF remote within 5s.
The LED indicator fast flash 3 times means match is successful.

Delete:
Turn on light, turn off, immediately press the On/Off key of the panel for 10s,
delete all matched RF remote.
The LED indicator fast flash 6 times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power, then switch on power, repeat again,
immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 3 times on the remote.
The light blinks 3 times means match is successful.

Delete:
Switch off the power, then switch on power, repeat again,
immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

● T1-1　Single color panel

20s
DELAY OFF

☼
BRIGHT

M
MODE
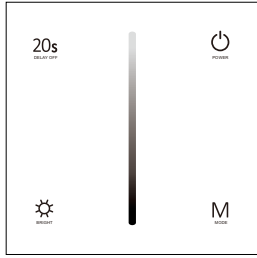
⏻ Power —— Turn on/off light.

▮ —— Brightness slide.

☼ Bright —— Brightness,10 levels.

20s Delay Off —— Turn off light after 20s.

M Mode —— Dynamic mode, 6 level speed.

● T2-1　Dual color panel

☼+
BRIGHT

☼-
BRIGHT

⏻
POWER

M
MODE

⏻ Power —— Turn on/off light.

▮ —— Color temperature.

☼+ —— Brightness +,10 levels.

☼- —— Brightness -,10 levels.

M Mode —— Dynamic mode, 6 level speed.

● T3-1　RGB panel

1 SCENE
2 SCENE
3 SCENE
4 SCENE

⏻ POWER
M MODE
▷▷ SPEED
☼ BRIGHT
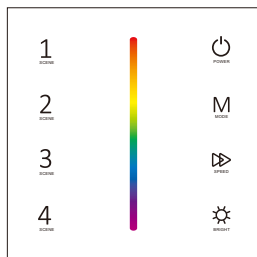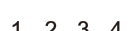
⏻ Power —— Turn on/off light.

▮ —— Color slide.

☼ Bright —— Brightness,10 levels.

▷▷ SPEED —— Adjust dynamic mode speed,10 levels.

M Mode —— Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.

1 SCENE　2 SCENE　3 SCENE　4 SCENE —— 4 Scenes, short press recall scene.
Long press 2s to save the current color into 1/2/3/4.

● T4-1　RGBW panel

1 SCENE
2 SCENE
3 SCENE
4 SCENE

⏻ POWER
M MODE
☼/▷ BRT/SPEED
W WHITE
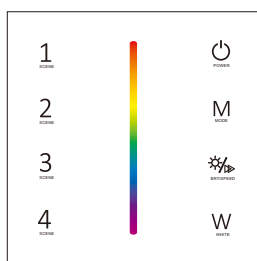
⏻ Power —— Turn on/off light.

▮ —— Color slide.

☼/▷ BRT/SPEED —— Adjust dynamic mode speed or static color brightness,10 levels.

M Mode —— Short press play 10 built-in dynamic mode, long press 2s run mode-cycle.

W WHITE —— Short press turn on/off W channel, long press adjust W channel brightness.

1 SCENE　2 SCENE　3 SCENE　4 SCENE —— 4 Scenes, short press recall scene.
Long press 2s to save the current color into 1/2/3/4.

Turn on key tone: Long press power key for 5s when light is off, will turn on or turn off key tone(T1-1,T2-1 without key tone).
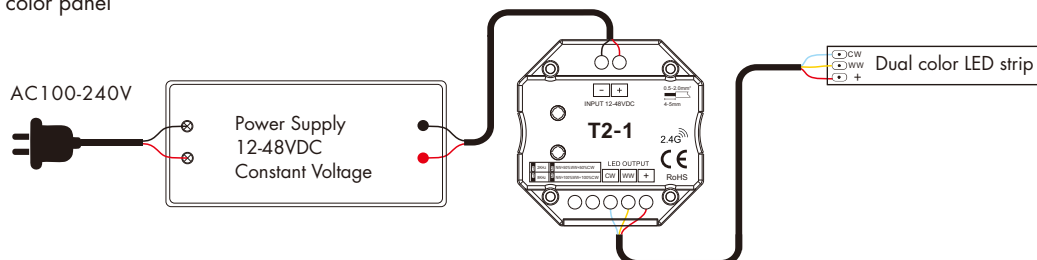
Wiring diagram

● T1-1 Single color panel

AC100-240V

Power Supply
12-48VDC
Constant Voltage

INPUT 12-48VDC

T1-1

2.4G

RoHS

+ Single color LED strip
+ Single color LED strip
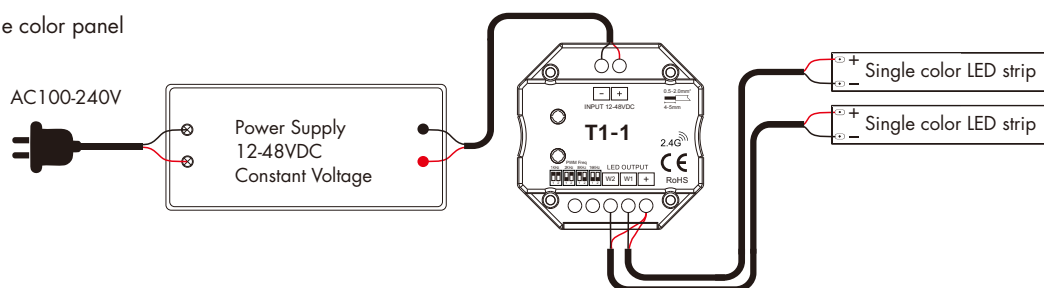
DIP switch select four PWM frequency: 1KHz, 2KHz, 8KHz or 16KHz.
Higher PWM frequency, will cause lower output current, higher power noise, but more suitable for camera(No flickers for video).

● T2-1 Dual color panel

AC100-240V

Power Supply
12-48VDC
Constant Voltage

INPUT 12-48VDC
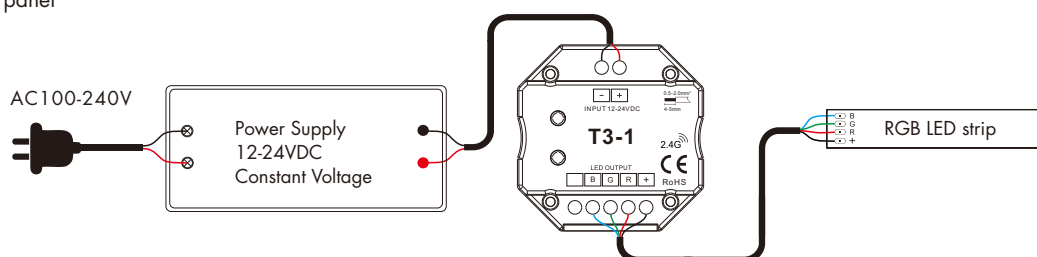
T2-1

2.4G

RoHS

CW
WW
+   Dual color LED strip

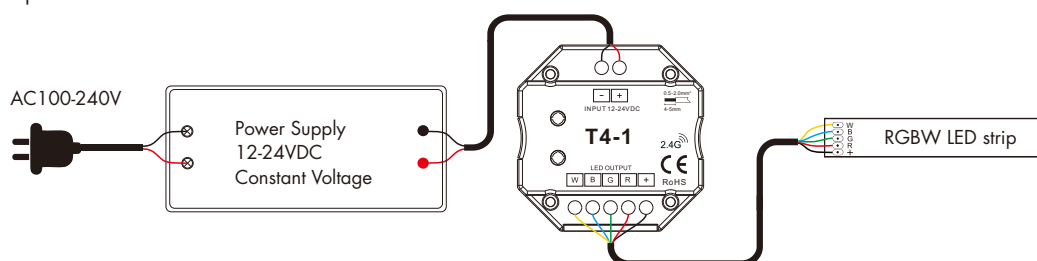DIP switch 1 select two PWM frequency: 2KHz or 8KHz.
Higher PWM frequency, will cause lower output current, higher power noise, but more suitable for camera(No flickers for video).
DIP switch 2 select color temperature output mode: NW=50%WW+50%CW or NW=100%WW+100%CW.

● T3-1 RGB panel

AC100-240V

Power Supply
12-24VDC
Constant Voltage

INPUT 12-48VDC

T3-1

2.4G

RoHS

B
G
R
+   RGB LED strip

● T4-1 RGBW panel

AC100-240V

Power Supply
12-24VDC
Constant Voltage

INPUT 12-24VDC

T4-1

2.4G

RoHS

W
B
G
R
+   RGBW LED strip

RGB/RGBW dynamic mode list (only for T3-1 / T4-1)

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out