T11-K,T12-K,T13-K

Wall Mounted Rotary Panel
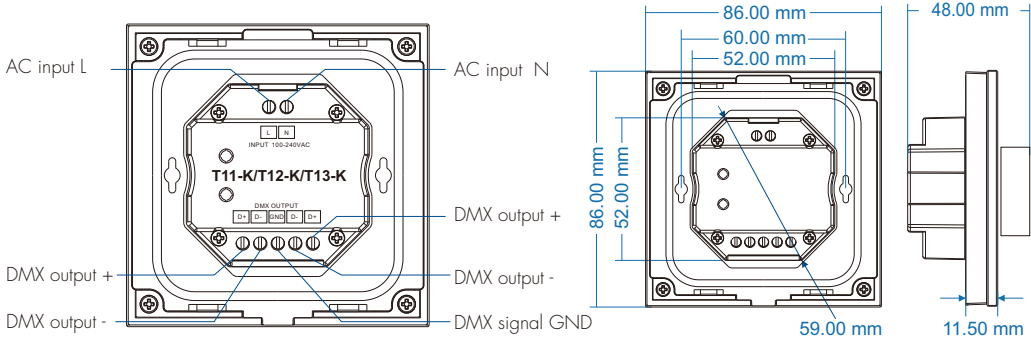
DMX512
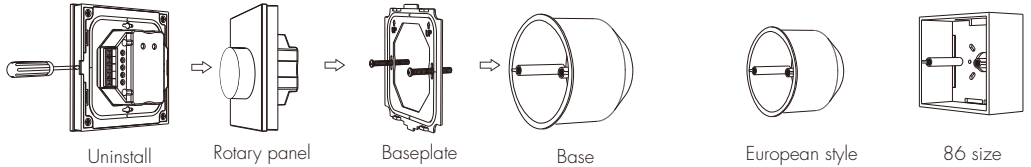

| T11-K | T12-K | T13-K |

CE RoHS

Features

- Rotary panel single color, dual color or RGB DMX512 master, can also be used as one zone RF remote.
- DMX signal output, comply to standard DMX512 protocol, compatible with DMX decoder from any supplier.
- When work as DMX512 master, compatibility with RF 2.4G single zone or multiple zone remote control.
- When used as RF remote, can remote control multiple RF 2.4G LED controllers.
- Rotate knob to change RGB color, color temperature or brightness.
- 256 levels 0-100% dimming smoothly without any flash.
- Push/Rotate with chord tones and LED indicator.
- White & Black glass panel available.

Technical Parameters

Model No.	T11-K	T12-K	T13-K
Light type	Single color	Dual color	RGB
Output DMX channel number	1	2	3

Input and Output	
Input voltage	100-240VAC
Input current	Max 0.1A
Output signal	DMX512, RF 2.4GHz

Dimming data	
Input signal	Rotary knob + RF 2.4GHz
RF Control distance	10m(Barrier-free space)
Dimming level	256 levels
Dimming range	0-100%

Warranty	
Warranty	5 years

Safety and EMC	
EMC standard	EN 61347-1/-2
Safety standard	EN IEC 55015/ EN IEC 61547-1/-2 ETSI EN 301 489-1/-17
Radio equipment	ETSI EN 300 328 ETSI EN 300 440
Certification	CE RoHS

Environment	
Operation temperature	Ta: -30℃ ~ +55℃
Case temperature (Max.)	Tc: +65℃
IP rating	IP20

Package	
Size	L112 x W112 x H60mm
Gross weight	0.223kg

Mechanical Structures and Installations

Installation diagram:

| Uninstall | Rotary panel | Baseplate | Base |

Typical base as below:

| European style | 86 size |

Knob Function

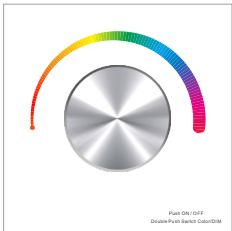- **T11-K   Single color dimmer**

- **Push:** Turn on or off light.

After turn on light:

- **Rotate:** Rotate knob to adjust brightness (2.5 turns, 50 levels).
- **Long push(1-6s):** Continuous 256 levels brightness adjustment.

- **T12-K   Dual color temperature**

- **Push:** Turn on or off light.

After turn on light:

- **Rotate:** Rotate knob to change color temperature or brightness (2.5 turns, 50 levels).
- **Push twice:** Switch between color temperature or brightness adjustment.
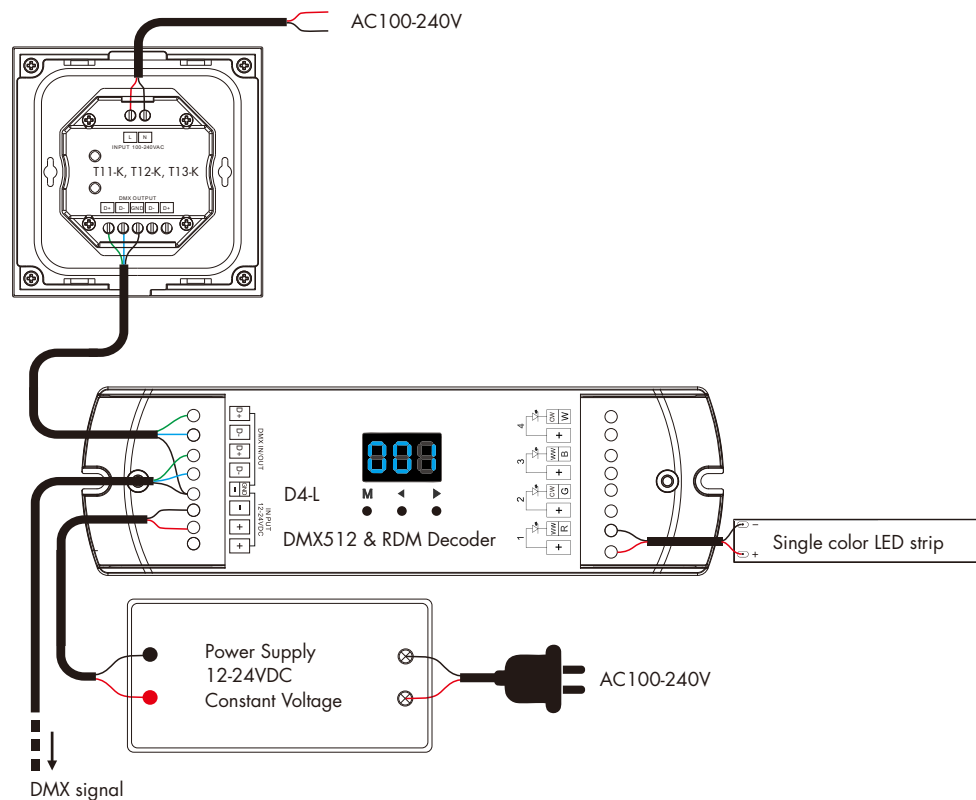- **Long push(1-6s):** Continuous 256 levels brightness adjustment.

● T13-K　RGB

● **Push:** Turn on or off light.

After turn on light:

● **Rotate:** Rotate knob to change RGB color (3 turns, 60 colors)
　　　　　or brightness (2.5 turns, 50 levels).
● **Push twice:** Switch between RGB color or brightness adjustment.
● **Long push(1-6s):** Continuous 256 levels brightness adjustment.

Note: After push knob to turn off light, long press push knob for 5 seconds will turn on or turn off tone.

Wiring Diagram for Rotary Panel Work as DMX512 Master

AC100-240V

D4-L
DMX512 & RDM Decoder

Single color LED strip

Power Supply
12-24VDC
Constant Voltage

AC100-240V

DMX signal

Rotary Panel work as DMX512 Master

After connect with DMX decoders, please set the DMX decoders address as below:

Mode	T11-K	T12-K		T13-K		
		WW	CW	R	G	B
DMX decoders address	1	1	2	1	2	3

Match Remote Control (two match ways)

When the rotary panel controller work as DMX512 master, it can also match with the RF remote (optional).
End user can choose the suitable match/delete ways. Two options are offered for selection:

Use Knob

Match:
Turn on light, turn off, immediately push the knob 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 timesmeans match is successful.

Delete:
Turn on light, turn off, immediately push the knob
for 10s to delete all match,
The LED indicator fast flash 6 times means all matched
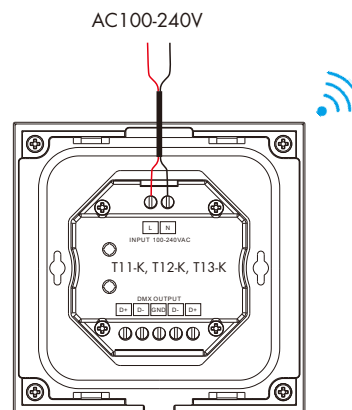remotes were deleted.

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 LED indicator fast flash 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 LED indicator fast flash 6 times means all matched remotes
were deleted.

Wiring Diagram for Rotary Panel Work as RF Remote

AC100-240V

When the rotary panel controller work as RF remote, it need match with other RF 2.4G LED controllers.
End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's Match key

Match:
Short press match key,
immediately short press the knob of the rotary panel.
The LED indicator fast flash a few times means match
is successful.

Delete:
Press and hold match key for 5s to delete match,
The LED indicator fast flash a few times means match
was deleted.

Use Power Restart

Match:
Switch off the power of the receiver, then switch on power,
repeat again.
immediately short press the knob 3 times on the rotary panel.
The light blinks 3 times means match is successful.

Delete:
Switch off the power of the receiver, then switch on power,
repeat again.
immediately short press the knob 5 times on the rotary panel.
The light blinks 5 times means match was deleted.