AC Triac Touch Glass Panel Dimmer

Model No.: S1-T

Touch glass panel/Brightness slide/Leading edge or trailing edge/Wireless remote control

Features

● Touch glass panel AC phase-cut dimmer, 1 channel output.
● To dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights.
● Ultra sensitive high strength glass touch panel with touch slide in the middle.
● 256 levels 0-100% dimming smoothly without any flash.
● Leading edge dimming or trailing edge dimming set by dip switch.
● Light on/off fade time 3s selectable.
● Compatibility with RF 2.4G single zone or multiple zone dimming remote control.
● Over-heat / Over-load protection, recover automatically.
● White & Black glass panel available.

CE RoHS emc LVD

Technical Parameters

Input and Output	
Input voltage	AC100-240V
Output voltage	AC100-240V
Output current	Max 1.5A
Output power	150-360W
Input signal	Touch key + RF 2.4GHz
RF Control distance	10m(Barrier-free space)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3
	ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED
Warranty	5 years

Environment	
Operation temperature	Ta: -30 ℃ ~ +55 ℃
Case temperature (Max.)	Ta: +85 ℃
Package	
Size	L112x W112 x H50mm
Gross weight	0.239kg

Mechanical Structures and Installations

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

Installation diagram:

Uninstall Touch panel Baseplate Base
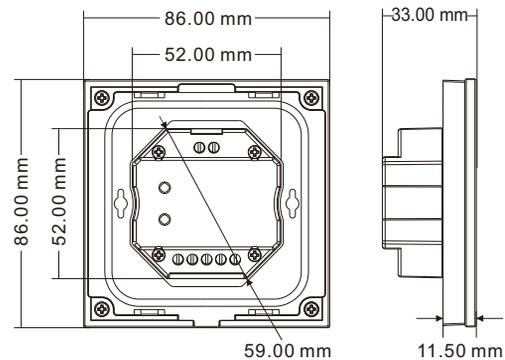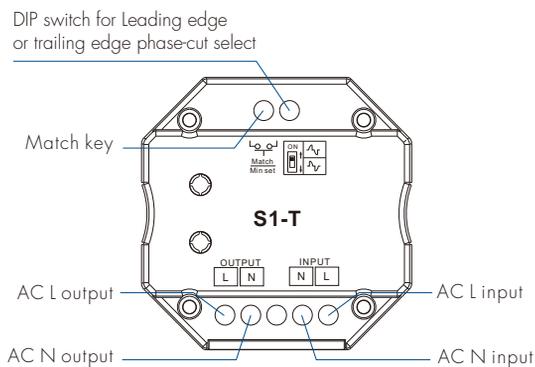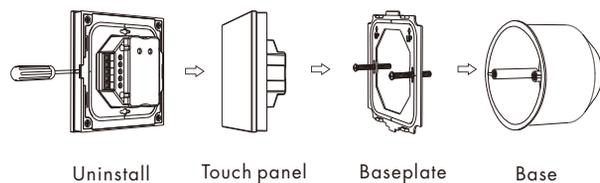
Typical base as below:

European style 86 size
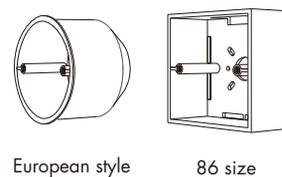
Compatible Load Types

Load Type	Maximum Load	Remarks
Dimmable LED lamps	200W @ 220V 100W @ 110V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to dimmer.
Triac Dimmable LED drivers	200W @ 220V 100W @ 110V	Maximum permitted number of drivers is 200W divided by driver nameplate power rating, and make sure the surge current is no more than 2 times 65A.
Incandescent lighting, HV Halogen lamps	400W @ 220V 200W @ 110V	

Key function

⏻ Turn on/off light.

20s Turn off light after 20s.

☼ Brightness, 10 levels.

M Play dynamic mode, 6 level speed.

▮ Brightness slide
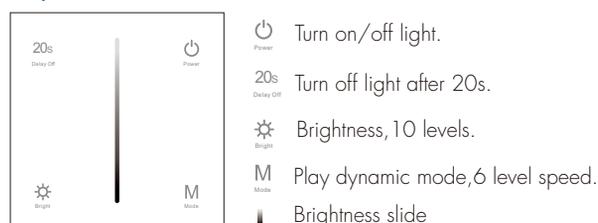
## Wiring diagram

⚠ **Caution:** Please carefully ensure all wire connections and polarities are correct and secure before applying power, otherwise this controller will be damaged.

● Connect with dimmable LED light

Dimmable LED light

AC100-240V Output

AC100-240V Input
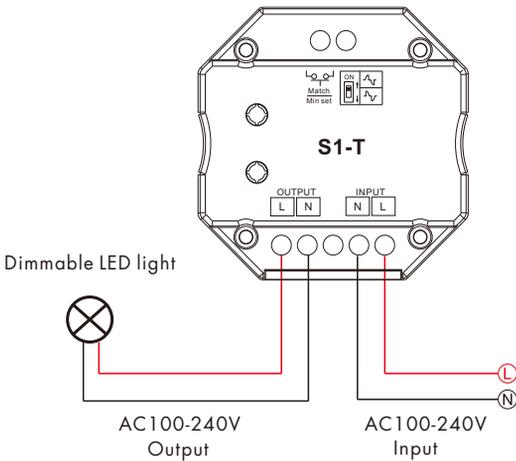
● Connect with Triac dimmable LED driver

LED light

Triac Dimmable LED Driver

AC100-240V Output

AC100-240V Input
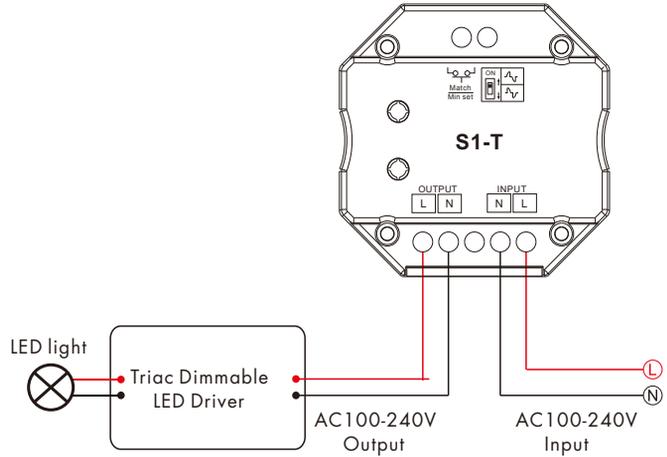
Note: When calculating the maximum number of load lamps or drivers, the input power or input current parameters of a single lamp or driver must be used, the output power parameters can not be used.
In addition, the maximum surge current of the dimmer is 65A, the sum of surge current of multiple dimmable LED drivers should not exceed 2 times. otherwise, the product will be overloaded and damaged.

Leading edge or trailing edge dimming setting

Select leading edge(forward-phase) dimmer or trailing edge(reverse-phase) dimmer according to dimmable LED light or driver.

Reverse-phase

Forward-phase

Forward-phase control dimmer(TRIAC)

Reverse-phase control dimmer
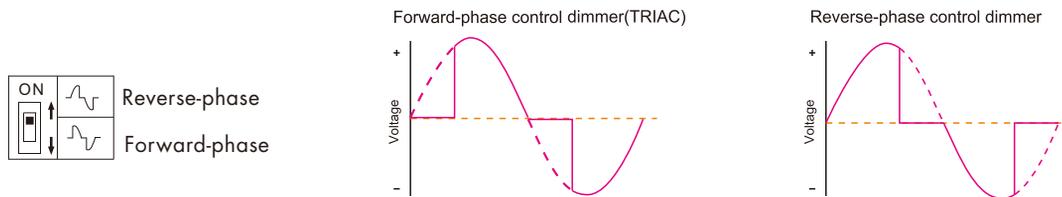
Caution: before power on, you must confirm the selection of dip switch.

Min brightness setting

Long press Min set key for 2s, the light blink 2 times, ready for min brightness set, then short press Min set key 1-6 times, to get 6 min brightness: 5%, 10%, 15%, 20%, 25% or 30%, the light will output the current min brightness immediately,
Long press Min set key for 2s or wait 8s, quit min brightness set, the light will output 100% brightness automatically.

Light on/off fade time

Long press Match key 5s, then short press Match key 3 times, the light on/off time will be set to 3s, the indicator light blink 3 times.
Long press Match key 10s, restore factory default parameter, the light on/off time also restore to 0.5s.

Match Remote Control (three match ways)

The AC triac rotary panel dimmer can also match with the RF dimming remote (optional).
End user can choose the suitable match/delete ways. Three options are offered for selection:

Use Match key

Match: Short press match key, immediately press on/off key(single zone remote) or zone key(multiple zone remote) of the remote.
Delete: Press and hold match key for 5s to delete all match, The light blinks 5 times means all matched remotes were deleted.

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 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 light blinks 3 times means match is successful.

Delet: 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.