WiFi & RF AC Triac Dimmer

Model No./Homcloud Code: SK-S1BD

Homcloud APP cloud control/Voice control/RF dimming/Push Dim/Leading edge or trailing edge/Wall junction box mounting

Features

- WiFi + RF + Push AC phase-cut dimmer, 1 channel output.
- To dim and switch single color dimmable LED lamps, traditional incandescent and halogen lights.
- Homclou/Smart Life APP cloud control, support on/off, brightness adjust, delay turn on/off light, timer run, scene function.
- Voice control, support Amazon&Google smart speaker.
- 256 levels 0-100% dimming smoothly without any flash.
- Leading edge dimming or trailing edge dimming set by dip switch.
- Min brightness can be set by key.
- Light on/off fade time 3s selectable.
- Compatibility with RF 2.4G single zone or multiple zone dimming remote control.
- Each controller can also work as WiFi-RF converter, then use Homcloud/Smart Life APP to control one or more RF dimming LED controller or driver synchronously.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Easy to be placed in standard wall junction box behind a push switch.
- Over-heat / Over-load protection, recover automatically.

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

Environment

Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

Emission

Max Transmitting power	<20dBm

Safety and EMC

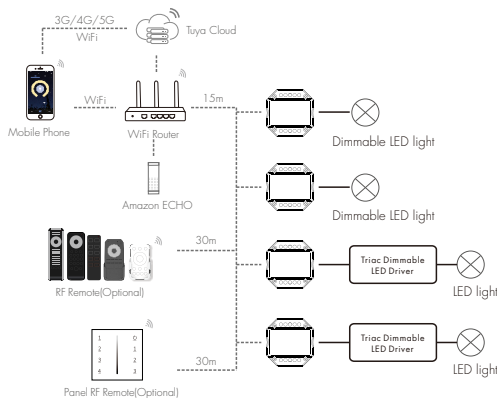|	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

Dimming data

Input signal	Tuya APP + RF + Push Dim
RF Control distance	30m(Barrier-free space)
Dimming level	256 levels
Dimming range	0-100%

Weight

Weight	Net weight	Gross weight
Weight unit(g)	0.048kg	0.061kg

Mechanical Structures and Installations

AC Push switch
DIP switch for Leading edge or trailing edge phase-cut select
Match / Min brightness set key
AC N output
AC L output
AC N input
AC L input

52.00 mm
52.00 mm
26.00 mm

Typical Wall Junction Box Mounting

System wiring

3G/4G/5G WiFi
Tuya Cloud
Mobile Phone
WiFi
WiFi Router
15m
Amazon ECHO
RF Remote(Optional)
Panel RF Remote(Optional)
30m
30m
Dimmable LED light
Dimmable LED light
Triac Dimmable LED Driver
LED light
Triac Dimmable LED Driver
LED light
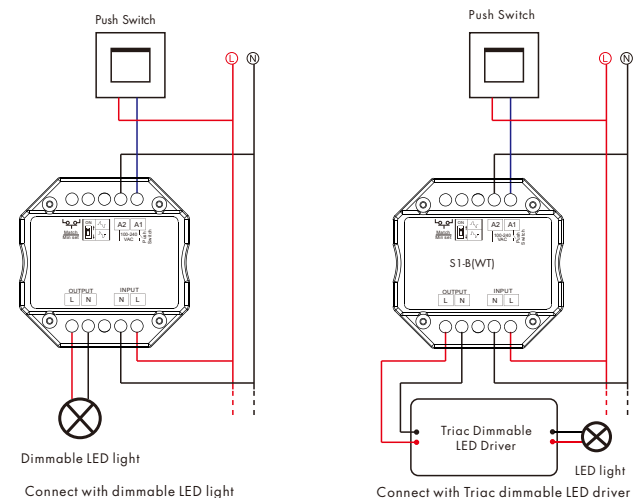
—— Wired connection
------- Wireless connection

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 wifi devices and router close, and check the WiFi signals.

Wiring diagram

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

- Please contact a professional technician to install the product according to drawings and instructions.
- Keep out of the reach of childrens and away from water, dumpo or a wet environment.
- Check the ratings given in the instructions and on the product to make sure it is suitable for your application.
- Installer must be a trained experienced service technician or electrician.
- Do not disassemble open or repair the product.

Push Switch
Push Switch
S1-B(WT)

Dimmable LED light
Connect with dimmable LED light

Triac Dimmable LED Driver
LED light
Connect with Triac dimmable LED driver

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.
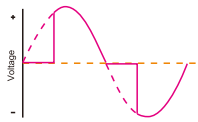
Compatible Load Types

| 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	

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
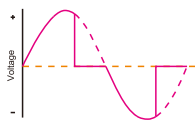
Caution: before power on, you must confirm the selection of dip switch.

Min brightness setting

Long press Min set key for 10s, 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,
Wait 8s, quit min brightness set automatically, the light will return output 100% brightness.

Homcloud App Download and registration

Download Homcloud App from App Store or Google Play and register a new Account.
Important: our App only supports 2.4gHz Wi-fi networks IEEE 802.11 b/g/n

Homcloud APP Network connection and operation

CONFIGURATION:

1) Press and hold Match/Set key for 2s, or push twice Match/Set key fastly until the blue LED indicator flash fastly. (EZ Mode)

1b) if point 1 fails, use AP Mode: Press and hold Match/Set key for 5s: Clear previous network connection, enter AP config mode, the blue LED indicator flash slowly. (AP Mode)

2) Open the Homcloud App and press "Add Device"or "+" in the upper right corner to add the device and select the correct device to start the pairing process.

3) Follow the instructions on the App; giving all the confirmations needed.

4) Choose Name and house postion if you wish, then start using the device.
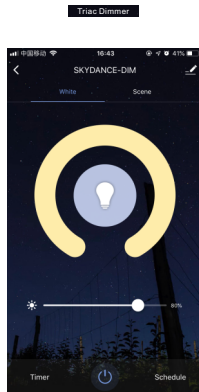
Homcloud Dimmer Module match RF remote control (Optional)

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 of controller/wifi module immediately press on/off key (single zone remote) or zone key (multiple zone remote) on the remote.

Delete:
Press and hold match key of controller/module for 15s to delete all match,
The light blinks 5 times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power of controller/wifi module, 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 of controller/wifi module 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.

Homcloud Dimmer module work as WiFi-RF converter to match other RF dimming LED controller or driver

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 of the controller, immediately press on/off key on the Homcloud/Smart Life APP. The LED indicator fast flash a few times means match is successful.

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

Use Power Restart

Match:
Switch off the power of the controller, then switch on power, repeat again,
Immediately short press on/off key 3 times on the Homcloud/Smart Life APP. The light blinks 3 times means match is successful.

Delete:
Switch off the power of the controller, then switch on power, repeat again,
Immediately short press on/off key 5 times on the Homcloud/Smart Life APP. The light blinks 5 times means match was deleted.

AC Push Dim Function (Optional)

● Short press:
   Turn on or off light.
● Long press (1-6s):
   Press and hold to step-less dimming,
   With every other long press, the light level goes to the opposite direction.
● Dimming memory:
   Light returns to the previous dimming level when switched off and on again, even at power failure.

Light on/off fade time

Switch off the power, then switch on power, repeat again.
Immediately short press match key 3 times, the light on/off time will change between 3s and 0.5s.

Integration with Alexa and Google

Download and install Google Home or Amazon Alexa App and control your devices with your voice, with smart speakers or directly with your smartphone.

IMPORTANT:if you want to link the homcloud App to Google Home or to the Amazon Alexa App, you need to select **"SMART LIFE"** App between the list of Google Home Partners or Amazon Alexa Skills. After that passage the user will be automatically directed to the Homcloud App. There is NO NEED to download the Smart Life App, only the Homcloud App is needed.

Declaration of Conformity

Hereby, Life365 Italy S.p.A. declares that this wireless device complies with the essential requirements and other related provisions of Directive 2014/53 / EU of the European Parliament and of the Council. The declaration can be consulted on the website www.homcloud.com/doc.

"Homcloud" is a registered trademark of Life365 Italy S.p.A.

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Environmental information

This product may contain substances that can be harmful to the environment and human health if it is not disposed of properly. We therefore provide you with the following information to avoid the release of these substances and to improve the use of natural resources. Electric and electronic equipment must not be disposed of with normal urban waste but must be sent to separate collection for their correct treatment. The crossed-out bid symbol, affixed to the product and on this page reminds you of the need to dispose, reminds the product to
end of his life. In this way it is possible to avoid that a non-specific treatment of the substances contained in these products, or an improper use of parts of them, can lead to harmful consequences for the environment and human health. It also contributes to the recovery, recycling and reuse of many of the materials contained in these products. For this purpose, the manufacturers and distributors of electrical and electronic equipment organize appropriate collection and disposal systems for the equipment. At the end of the product's life, turn to your appliance for
information on how to collect. When purchasing this product, your device will also inform you of the possibility of returning a device for free at the end of its life provided that it is of an equivalent type and performs the same functions as the purchased product or, if the dimensions are not greater than 25 cm , the EEE can be returned without the obligation to purchase the equivalent product. Disposal of the product in a different way from what is described above will be subject to the penalties provided for by the national legislation in force in the country where it is disposed of. We also recommend that you take other measures favorable to the environment: recycle the internal and external packaging with which the product is supplied and properly dispose of used batteries (only if contained in the product). With the help it is possible to reduce the amount of natural resources used for the construction of electrical and electronic equipment, to minimize the use of discharged resources for the disposal of products and to improve the quality of life by avoiding substances that reduce the environment.

CUSTOMER SERVICE
If you need help scan the QR code below and message us on Whats'Up.

If you need Instruction manuals in other languages please scan QR code below.