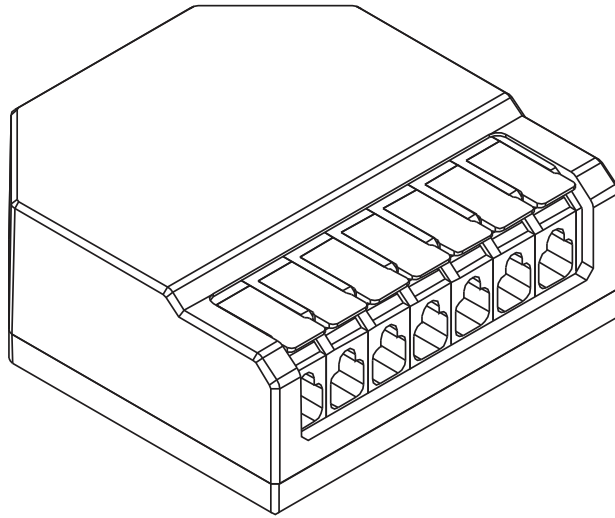




LED Tape Wireless (DC) Dimming Controller

ELA-45725



This product should be disposed of responsibly at the end of its life. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice (Waste Electrical and Electronic Equipment Directive)

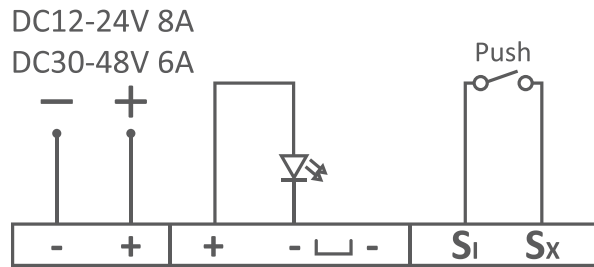
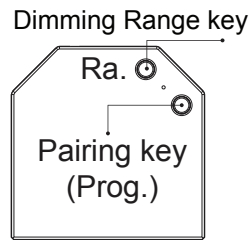
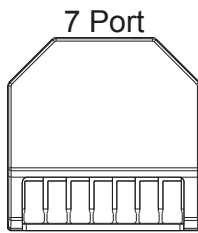
CHL, GORSE MILL, OL9 9RJ
www.cascadehl.com/#contact

EU Authorised Representative: Authorised Rep Compliance,
Ground Floor, 71 Lower Baggot Street, Dublin, Ireland,
D02P593. www.authorisedrepcompliance.com



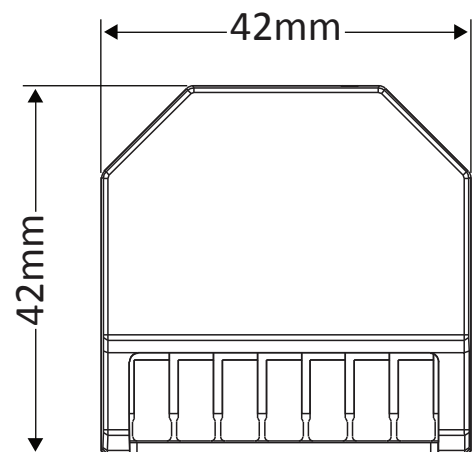
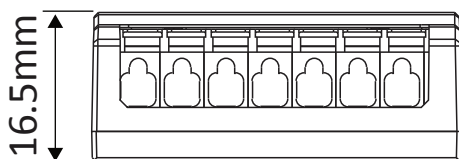
A. PRODUCT SPECIFICATIONS

1CH



PRODUCT CODE	CUL-45725
LOAD	12-24 Vdc 8A Max 30-48 Vdc 6A Max
RADIO FREQUENCY	433Mhz for Remote Switch
SMART PROTOCOL	2.4Ghz, Tuya Wi-Fi
MAINS WALL SWITCH COMPATIBLE	Yes
CHANNEL	1CH
IP RATING	IP20
TEMP. RANGE	-20 ~ 40°C
HOUSING TEMP.	Ta: 40°C Tc: 80°C
LIFETIME	50000 Hours

B. PRODUCT DIMENSIONS



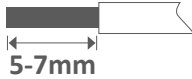
C. INSTALLATION

CAUTIONS:

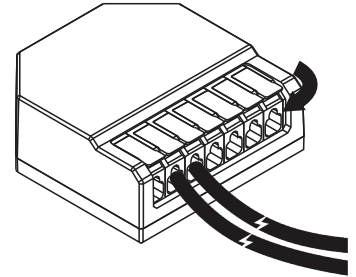
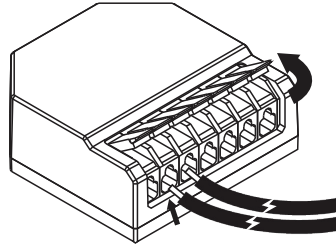
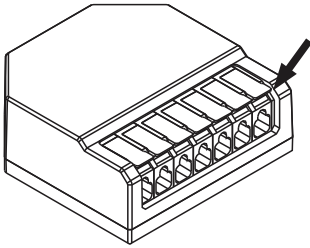


Terminal max opening angle is $< 30^\circ$ from the closed position.
Do not open the terminal arms beyond this point.

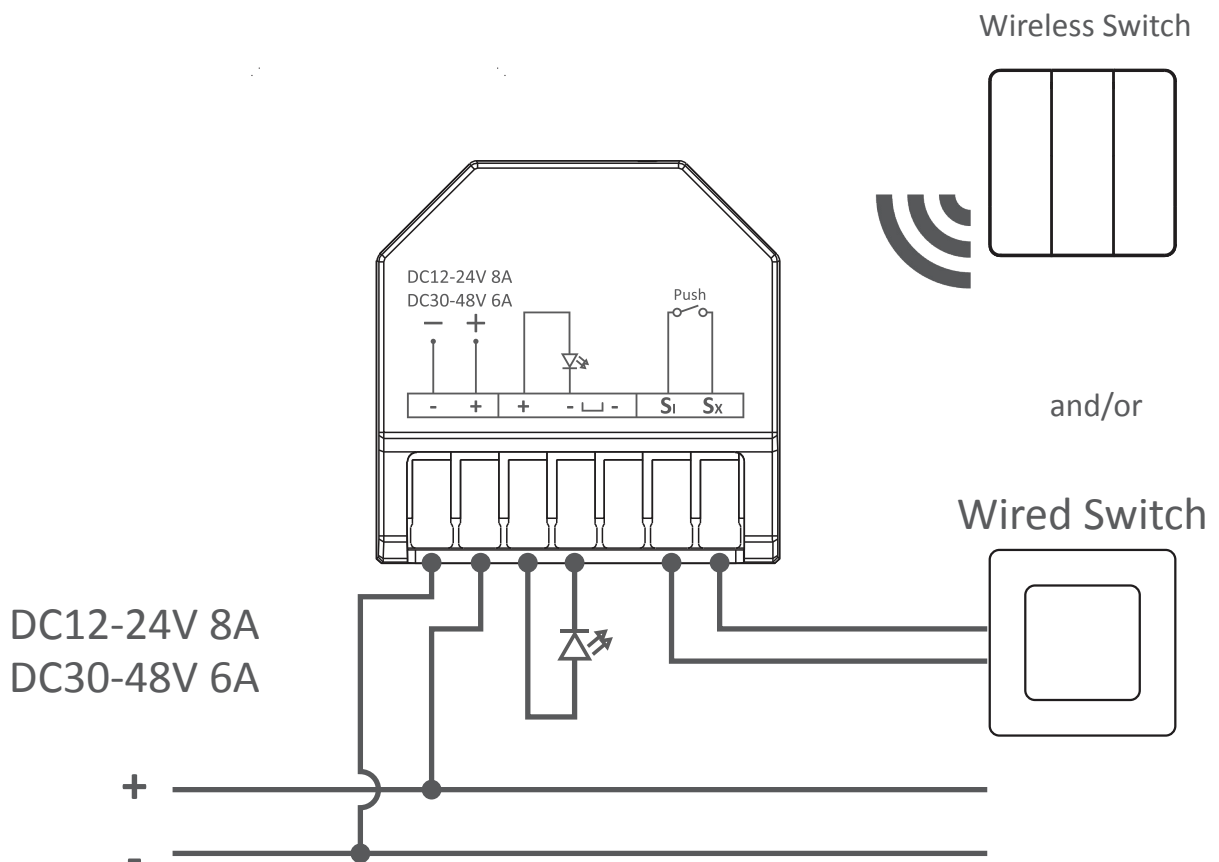
Cable Size: $0.8-2.5\text{mm}^2$



Lift up the
terminal arms.



D. WIRING DIAGRAM

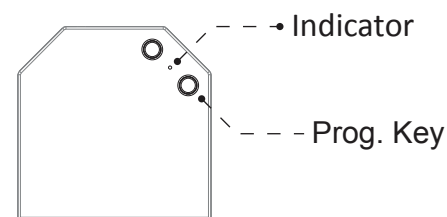


- Power must be turn off before installation.
- Installation must be carried out by professional electrician.

E. PAIRING PROCESS OVERVIEW

Short Press Prog. Key to:

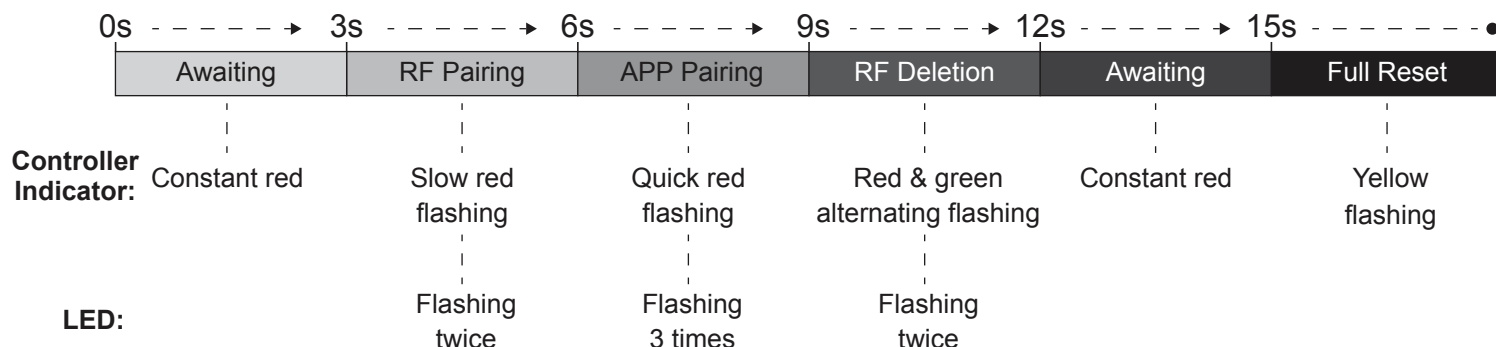
- Turn On (Indicator light steady Green Light)
- Turn Off (Indicator light flashing Green Light)



Long Press Prog. Key:

Turn on/off Power
Supply 5 Times or

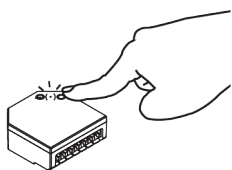
Functions:



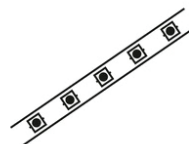
F. PAIRING with a Remote Wireless Switch

Option 1.

- Press and hold the Prog. Key for **3secs** until the **RED** indicator flashes slowly, and release to enter RF pairing window (the light will flash **Twice** and stay on).
- While the RED indicator on the controller is flashing slowly, press the switch key or power key of remote **ONCE** to complete the pairing.



Hold the Prog. key over **3secs**
Indicator: **RED** flashes **slowly**



LED tape flashes
Twice and stays on

*If there is no operation within 30 seconds, the LED will blink once and exit the key-pairing mode, entering the normal working mode.

Option 2. (Pairing method using power supply)

Within 4secs after power is on, the receiver has a 4sec pairing window. Press intended switch key 3 times within 1sec to complete the pairing.

Option 3. (Pairing method to add additional switch from an existing switch)

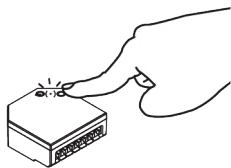
Use a paired switch to turn on the light first, and then quickly press the paired switch key 8 times in 3secs, the LED tape flashes twice, entering pairing mode.

Whilst in pairing mode, press the intended RF switch key or power key 3 times in 1sec to complete the pairing.

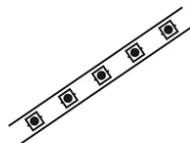
*If there is no operation within 10 seconds, the LED will blink once and exit the key-pairing mode, entering the normal working mode.

G. PAIRING - SMART APPLICATIONS

Option 1. Press and hold the Prog. Key for **6secs** until the **RED** indicator **flashes quickly** and release to enter App pairing window, the light will flash **3 times** and stays on.



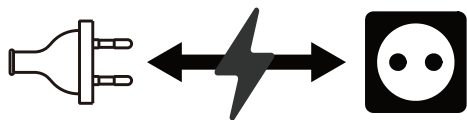
Hold the Prog. key over **6secs**
Indicator: **RED** flash **quickly**



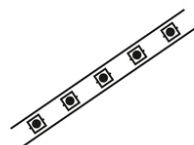
LED tape flashes **3 times** and stays on

*If there is no operation within 5 minute, the LED will blink once and exit the APP Pairing mode.

Option 2. Turn On/Off the power supply **5 times** quickly to enter App pairing window, the light will flash **3 times** and stay on.



Turn on/off the power supply **5 times** quickly
Indicator: **RED** flash **quickly**



LED tape flashes **3 times** and stays on

App Pairing Preparation

Requirements:

- Strong WiFi Signal cover is important to run this Tuya WiFi receiver.
- Only 2.4G WiFi router compatible.
- Download the TUYA app from Google or Apple stores.
- Turn on Bluetooth on your smart phone.



2.4G WiFi



Location

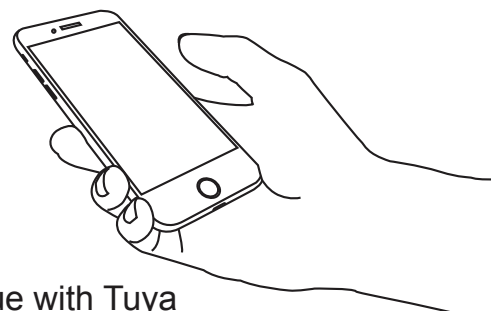


Bluetooth

Download Tuya Smartlife App to proceed:



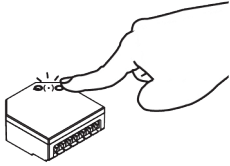
Add the receiver to Tuya App to complete pairing:



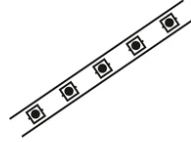
continue with Tuya
User Manual.....

H. UNPAIRING SWITCH OR REMOTE

Option 1: Press and hold the Prog. Key for **9secs** until the indicator is **flashing alternately between RED and GREEN** and release to enter RF remote removing window (the LED tape will flash **twice** and stay on).



Hold the Prog. key over
9secs Indicator: **RED & GREEN** alternating flashing



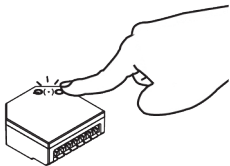
LED tape flashes
Twice and stays on

Option 2: Press the pairing button on a paired RF remote **8 times within 3secs**, the light flashes **twice**, entering pairing mode. During this time, press the paired RF remote **5 times within 2secs** to unpair, the light will be off.

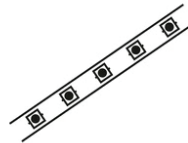
*If there is no operation within 10 seconds, the LED will blink once and exit the key-pairing mode, entering the normal working mode.

I. FULL FACTORY RESET

Press and hold the Prog. Key for **15secs** until the indicator flashes **YELLOW** to complete a full factory reset (the light will flash **5 times** and stay on).



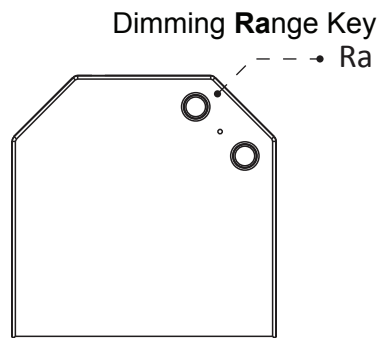
Hold on Prog. key over **15secs**
Indicator: **YELLOW** flashing



LED tape flashes **5 times** and stays on

***Note: this will clear all RF Remote and APP pairings on this controller!**

J. MINIMUM BRIGHTNESS SETTING



Ra key is used to set the minimum dimming level of the dimmer receiver to avoid flickering and light being completely turned off in use to improve the usability.

Once the minimum dimming level is set, the dimmer receiver will not dim below the set level.

How to use Ra Key:

You may choose the minimum dimming level at any time by pressing the Ra Key as required.

Single press the **Ra Key** to set the dimming level.

There are 10 dimming levels provided on the receivers. Press the Ra Key once to increase from level 1, until level 10 and it will return back to level 1 and so on.

Set the minimum dimming level

Once you reach the minimum dimming level, leave the dimmer receiver as is. It shall automatically remember the set level to operate, i.e. it will not dim the light below this level, even when using the App with a clear brightness percentage, the dimmer receiver will keep the set level as the lowest level to operate.

Compatibility

This ELA 45725 will work with Battery powered 433 switch, kinetic switches and remote controllers. See individual product manuals for instructions on how to operate.