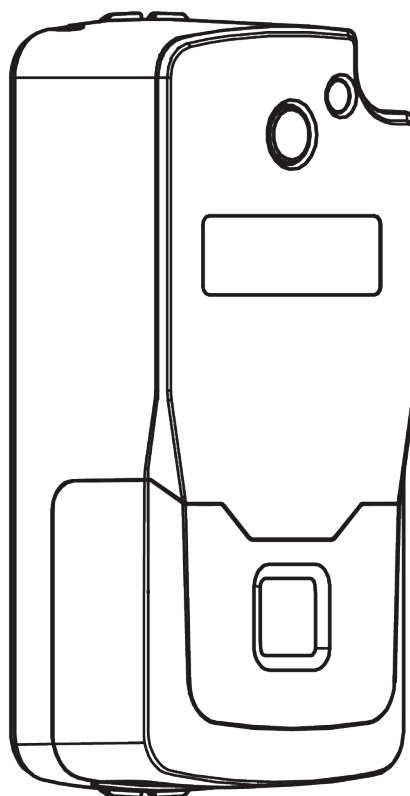


Instruction Manual

V1



CUL-45731: Triac Dimmer Controller



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)



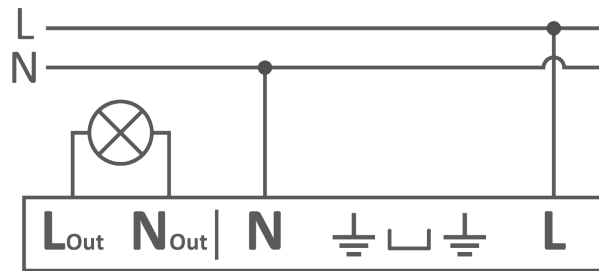
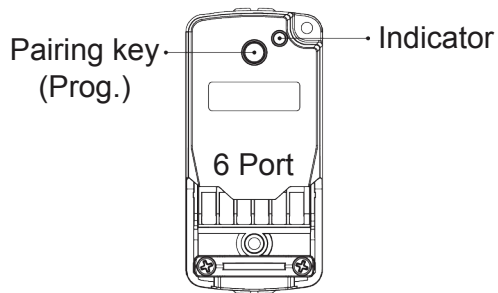
CHL, GORSE MILL, OL9 9RJ
www.cascadehl.com/#contact

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



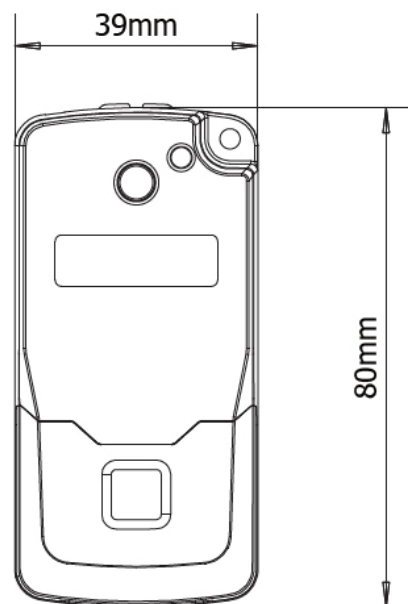
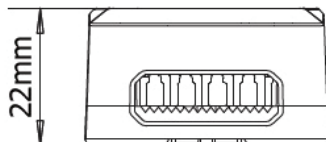
A. PRODUCT SPECIFICATIONS

1CH  RC | Trailing Edge



PRODUCT CODE	CUL-45731
LOAD	LED 300W or 1.3A, 200-240Vac 50/60Hz
RADIO FREQUENCY	433Mhz for Kinetic Switch & Remote
SMART PROTOCOL	2.4Ghz, Tuya Wi-Fi
MAINS WALL SWITCH COMPATIBLE	No
CHANNEL	1CH
IP RATING	IP20
TEMP. RANGE	-20 ~ 40°C
HOUSING TEMP.	Ta: 40°C Tc: 85°C
LIFETIME	50000 Hours

B. PRODUCT DIMENSIONS



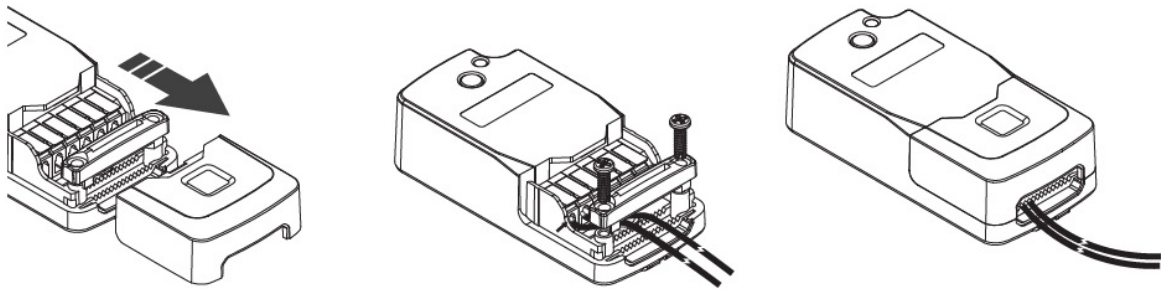
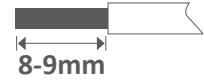
C. INSTALLATION



Warning: installation should be carried out by professional electricians.

- Slide the terminal protector to remove it from the case;
- Loose cable clip screws before connecting wires to the terminals;
- Insert the wires to the terminals;
- Refasten cable clips.
- Slide the terminal protector back to the case to complete the installation.

Cable Size: 0.4-2.5mm²



D. WIRING DIAGRAM

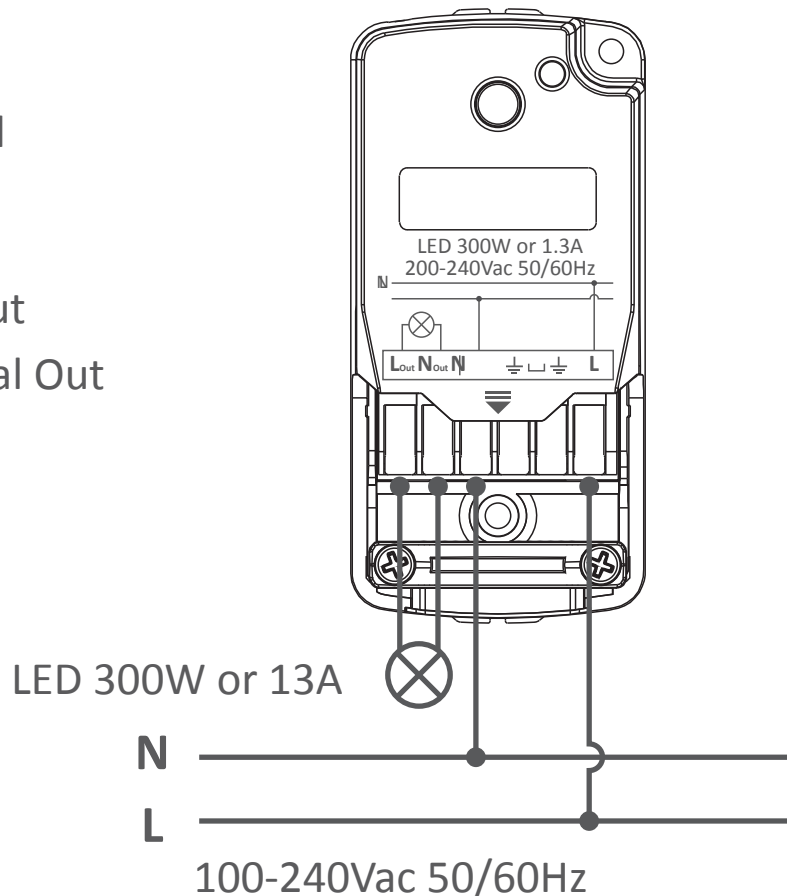
L: Live

N: Neutral

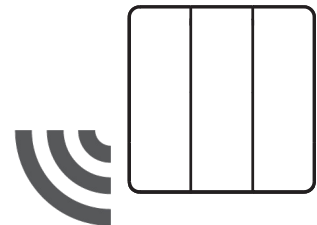
⏏: Earth

L₁: Live Out

N₁: Neutral Out



Kinetic Wireless
Switch



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

E. SETTING MINIMUM DIMMING LEVEL

This dimmer receiver can set minimum dimming level to allow better compatibility with triac dimmable lights.

The default minimum dimming level is 10%. The minimum dimming level may be changed through press the Prog. key on the dimmer receiver.

Minimum dimming level is ranged between 1-40%. Each press on the Prog. key will increase 3% of output of this receiver, until it reaches to 40% and restart back from 1%, 4% etc.

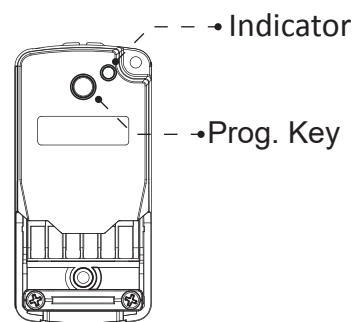
When the desired minimum dimming level is selected, you then may proceed to the pairing process as below.

F. PAIRING PROCESS OVERVIEW

Short Press Prog. Key to:

Turn On (Indicator: Steady Green light)

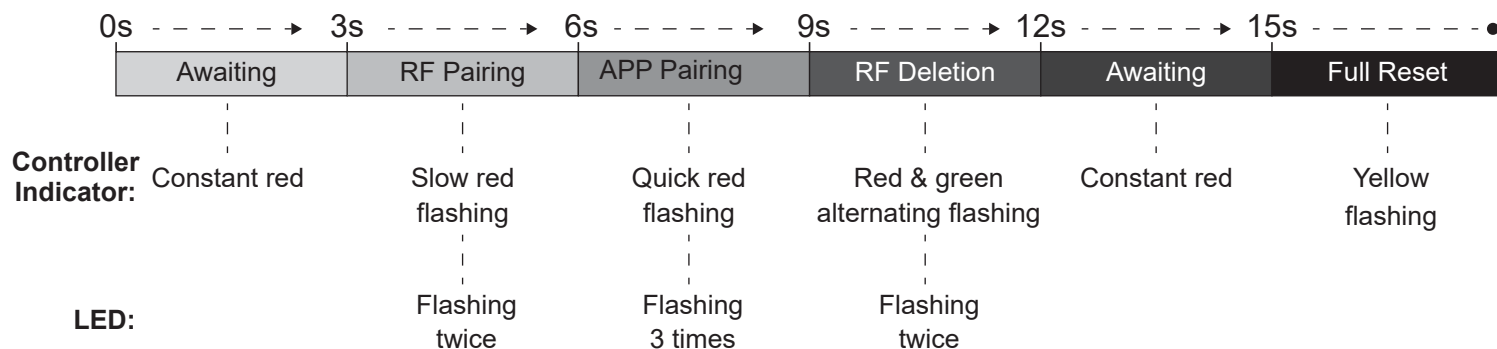
Turn Off (Indicator: Flashing Green Light)



Long Press Prog. Key:

Turn on/off Power
Supply 5 Times or

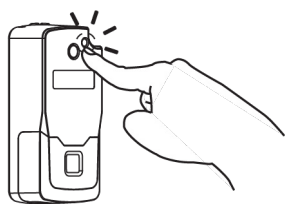
Functions:



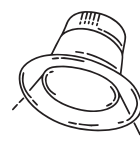
G. PAIRING - Kinetic Wireless Switch

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 RF sender **ONCE** to complete the pairing.



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



Light flashes **Twice**
and stays on

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

Option 2. (Receiver Part)

Within 4s of power-on, receiver enters auto-pairing mode. Press the Kinetic Wireless Switch button 3 times within 1s to pair.

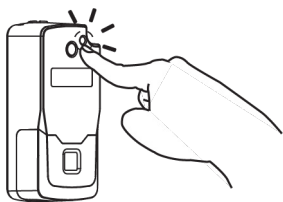
Option 3. (Kinetic Switch Part)

Press the pairing button on a paired Kinetic Wireless Switch 8 times within 3secs, the LED flashes twice, entering pairing mode(10secs).

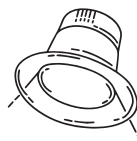
During this time, press an unpaired Kinetic Wireless Switch 3 times within 1sec to pair.

G. PAIRING - SMART APPLICATIONS

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



Hold on Prog. key over **6sec**
Indicator: **RED** flash **quickly**



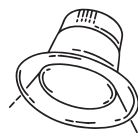
Light flashes **3 times**
and stays on

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

Option 2. Turn On/Off the power supply **5 times** constantly (*the **GREEN** indicator is on/off **5 times** constantly) to enter App pairing mode, the light will flash **3 times** and stay on.



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



Light flashes **3 times**
and stays on

App Pairing (*CUL - 45731)

Preparation for Wi-Fi App pairing:

- Strong WiFi Signal cover is important to run this Wi-Fi receiver.
- Only **2.4G** Wi-Fi 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 process:

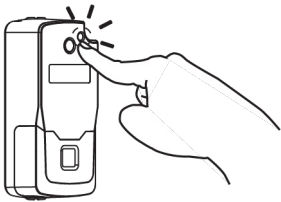


Add the receiver to Tuya App to compete pairing:

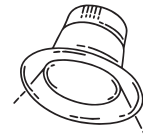


H. UNPAIRING - Kinetic Wireless Switch

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



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



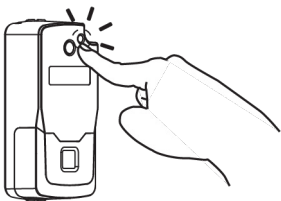
Light flashes **Twice**
and stays on

Option 2: Press the pairing button on a paired Kinetic Wireless Switch **8 times within 3secs**, the light flashes **twice**, entering pairing mode(**10secs**). During this time, press the paired Kinetic Wireless Switch **5 times within 2secs** to unpair.

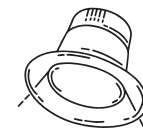
*If there is no operation within 10 seconds, the LED will blink once and exit the key-pairing mode, entering the normal working mode.

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



Light flashes **5 times**
and stays on

***Note: this will clear all Kinetic Wireless Switch and APP pairings on this controller!**