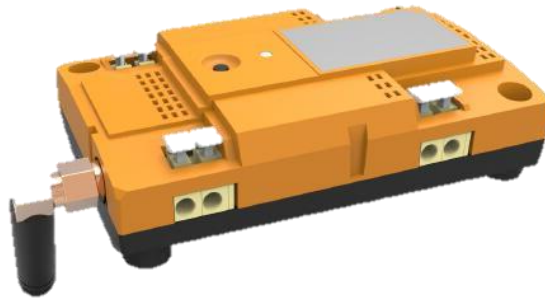


Wireless 2-Circuit Controller



CT-LCEF5037-AD

Introduction

Wireless 2-circuit dimmer supports 0-10V LED drives for achieving 2 circuits of lighting control from not to remove the slotted wiring as well as saving time and labor cost.

This dimmer is under EnOcean wireless protocol and also be compatible with HiotH system which can make it interconnected to the devices from multi manufacturer to complete more applications. For example, match wireless door window magnetic or PIR to achieve the automatically light switches or incorporate wireless illumination sensors to make the lighting adjustment.

Product composition

- Wireless 2-circuit dimming actuator ×1
- External antenna × 1

Specification

AC characteristic

1. 1 Input: 85 ~ 265VAC, 50Hz
2. 1 Output channels: 2 circuit
3. 1 Maximum output current: 10A/ Way
4. Max power: 2200V Resistance, 500W Capacitive
5. 1 Switching frequency:
Resistive load min 100000;
Capacitive load min 25000

DC characteristic

1. Output voltage: 1 ~ 10V , 70mV Errors <1% 128 -Order
2. Output current: 4.375mA/ Way
3. Power loss: Typ.0.35W ; Max.1.85W

Wireless feature

1. Wireless protocol: EnOcean Standard ISO/IEC 14543-3-10
2. Band: 868.3MHz
3. Modulation and demodulation mode: FSK
4. Wireless control distance: Interior around 20 M , Stick antenna

Physical characteristic

1. Size: 105mm x 55mm x 25mm
2. Terminals: independent press port
3. Wire type: copper wire cross-sectional area AWG20-AWG13
4. Button: a button
5. Indicator: a bi-color LED LEDs

Security range

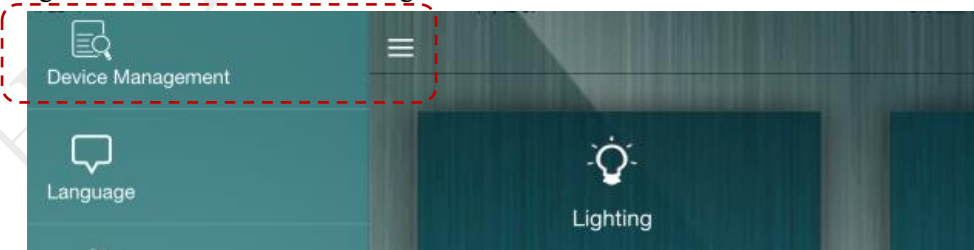
1. Operating temperature: -20 ° C ~ 55 ° C
2. Surge rating: TV-5(78A), Optional TV-7(120A)
3. P Protection class: IP30
4. Safety: EN55015 、 EN16547

Operation

NETWORK ENTRY

- 1) Power on the device ;
- 2) Please follow the below menu order on APP to find the network join interface:

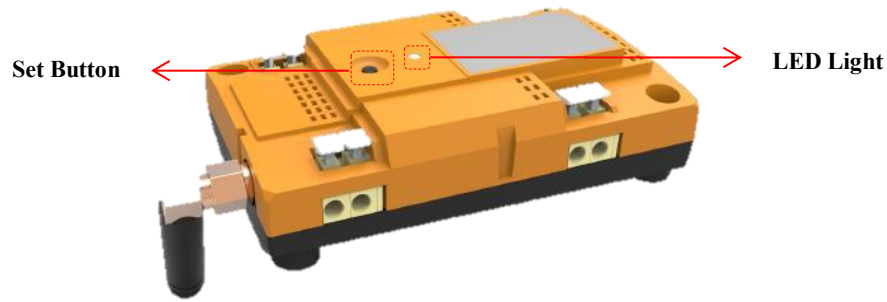
Log in > Menu bar > Device Management > Add device



- 3) Choose "Enocean" to enter the Network Inclusion mode on the APP, Select the corresponding gateway and input the Apparatus ID, then click "Save".



- 4) Press the black set button on the dimmer immediately until LED green light flashing, it means the network entry is successful;



- 5) When prompt a message “Request Access Success”, please go to the device list interface and refresh the device list, the device will be displayed.

Installation Instruction

PRODUCT INSTALLATION

CAUTION:

Cut off power supply at circuit breaker or fuse before installation to avoid fire or shock!

- 1) According to the following diagram starting wiring. Fig.1

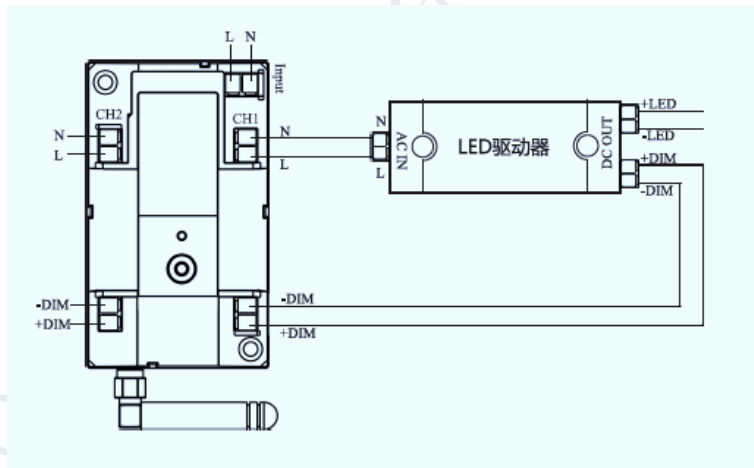


Fig.1

- L** - Terminals – connected 85-265VAC Power line;
- N** - Terminals – connected 85-265VAC The neutral line of the power supply;
- +DIM** - Terminal – connect control dimmer lamp cathode;
- DIM** - Terminal – connect control dimmer lamp cathode.
- CH1-L** - Live– connect control lamps;
- CH1-N** - Neutral – connect control lamps;
- CH2-L** - Live – connect control lamps;
- CH2-N** - Neutral – connect control lamps;

- 2) Dual dimmer installed in some places cannot be touched, so as to avoid electric shock.

Safety Notice

- Avoid chemical or flammable gas, smoke saturation, long under the environment of high humidity or other abnormal use;
- Should be installed in a place with no rain and snow hit, and no enough to corrode metal and damage the insulation medium of gas and dust;
- For your safety, in addition to proper use of the products, should also be vigilant in their daily lives, strengthen safety and prevention awareness.

Hioth Integrated System