

- ## Class 2



1

Protection

- Over temp. protection: Intelligently interrupt the output current if the PCB temperature $\geq 110^{\circ}\text{C}$, auto recovers.
- Over load protection: Interrupt the output current when current load $\geq 102\%$, auto recovers.
- Short circuit protection: Shut down automatically if short circuit occurs, auto recovers.
- Over voltage protection: Output current declined when over non-load voltage, auto recovers.

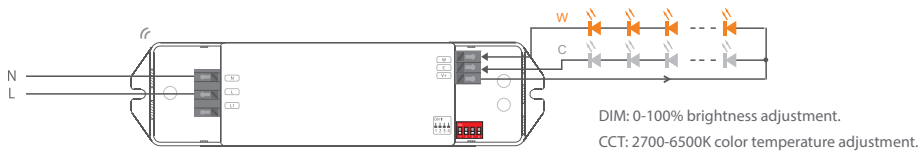
Safety & EMC

- Withstand voltage: I/P-O/P: 3750Vac
- Isolation resistance: I/P-O/P: 100M Ω /500VDC/25 $^{\circ}\text{C}$ /70%RH
- Safety standards: IEC/EN61347-1, IEC/EN61347-2-13
- EMC: EN55015, EN61000-3-2 Class C, IEC61000-3-3
- EMI: EN61000-4-2,3,4,5,6,8,11, EN61547
- Strobe test standard: IEEE 1789

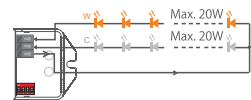
Others

- Dimensions: 167 \times 41 \times 32mm(L \times W \times H)
- Box dimensions: 168 \times 43 \times 35mm(L \times W \times H)
- Weight(G.W.): 160g \pm 10g

Wiring diagram

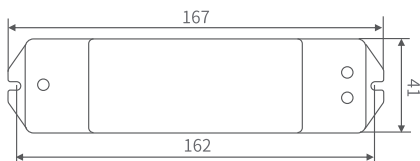


* Traditional controller designs have difficulty maintain the brightness of the lights when changing the colour temperature. With our innovative constant power delivery technology, the controller is able to maintain the brightness when changing the colour temperature. Our controller allows you to connect twice the power load. For a 20W power supply, 20W x 2Ch load can be connected and both channels will be maintained at a total power rating of 20W.



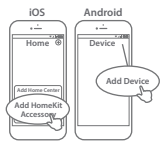
Dimensions

Units: mm



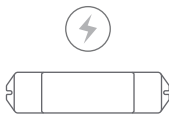
Setting Up The Accessory for The First Time

1



Launch the Tency app and select "Add Device" in the Devices Tab.

2



Power on the controller. The connected light will flash 3 times indicating that the controller is ready to pair.

3



The pairing process will take about 5 seconds. The connected light will flash 3 times indicating that pairing is successful.

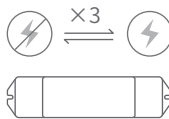
Reset the Controller

1



Launch the Tency app and select "Add Device" in the Devices Tab.

2



1. Power off the light controller.
2. When the lights connected to the controller are **fully off**, wait for 4 seconds.
3. Power on the light controller.
4. When the lights connected to the controller are **fully on**, wait for about 4 seconds.
5. Repeat steps 1-4 twice more. The lights will flash 3 times, indicating that the controller is ready to pair again.

3



The pairing process will take about 5 seconds. The connected light will flash 3 times indicating that pairing is successful.

Application Scenarios

1



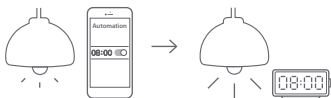
Control the brightness and colour temperature of your lights.

2



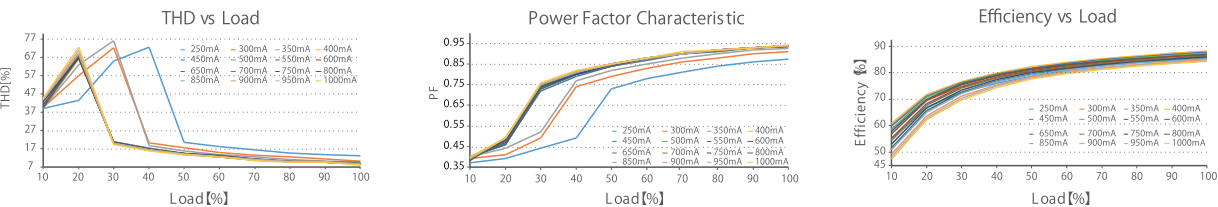
Turn your lights on when motion is detected.

3



Turn your lights on and off on a schedule.

Relationship diagrams



Notes 1

- 1. Avoid exposure to liquid.
- 2. Keep the controller away from fire, high temperature or other extreme environments.

Notes 2

Home Center is required to enable Terncy Light Controller to work with HomeKit technology. See <https://www.terncy.com> for more details.

Contact Us

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