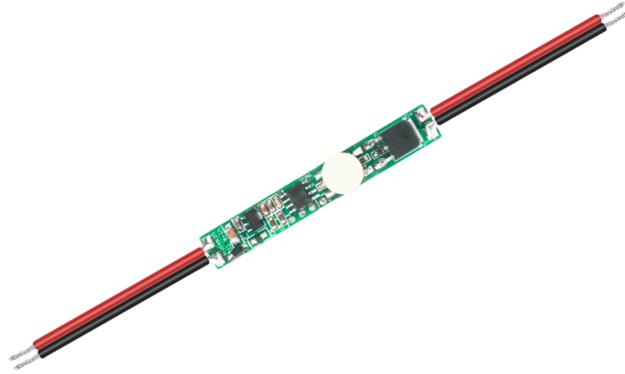


## Single Button Dimming Constant Voltage LED Controller

- 1 channel constant voltage LED dimmer.
- Turn on/off the light and adjust brightness via one button.
- Output PWM frequency 500Hz, 2KHz, 8KHz selectable.
- Logarithmic dimming curve.

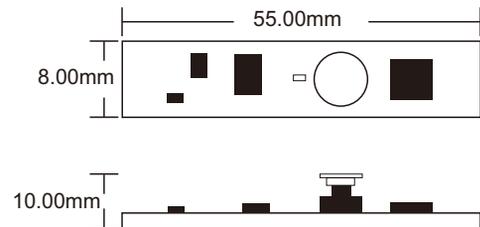
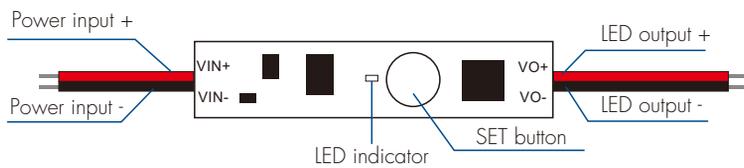


CE RoHS LVD

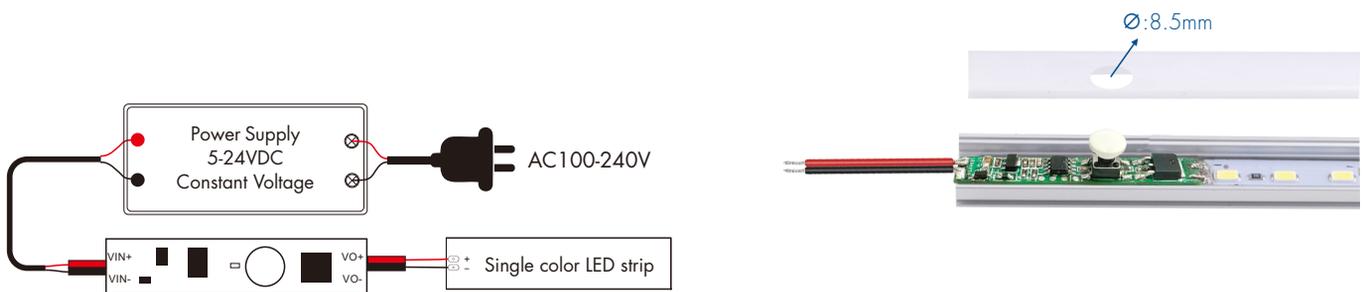
### Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	5-24VDC	Dimming gray scale	256 levels	EMC standard (EMC)	EN IEC 55015:2019+A11:2020
Output voltage	5-24VDC	Dimming range	1 -100%		EN 61547:2009
Output current	Max. 4A	Dimming curve	Logarithmic		EN IEC 61000-3-2:2019+A11:2021
Output type	Constant voltage	PWM Frequency	2KHz(default)	Safety standard(LVD)	EN 61000-3-3:2013+A11:2019
Warranty and Protection		Package			EN 61347-1:2015+A1:2021
Warranty	5 years	Size	L90xH130mm	Certification	CE,EMC,LVD
Protection	Reverse polarity	Gross weight	0.012kg	Environment	
				Operation temperature	Ta: -30°C ~ +55°C
				IP rating	IP20

### Mechanical Structures and Installations



### Wiring Diagram



#### Installation Notes:

1. Cut an 8.5mm diameter hole on the PC cover.
2. After applying 3M adhesive on the back of the controller, place the controller into the aluminum profile and align the button with the hole.
3. Do not install with electricity.
4. Pay attention to power input and LED output polarity.
5. Good heat dissipation will prolong the working life of the controller, please ensure good ventilation.

## Button Function

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### 1. On/Off and brightness adjustment

**Short press** : Turn on/off the light.

**Long press(1-6s)**: Stepless dimming, with every other long press, the light level goes to the opposite direction, dimming range 1%-100%.

### 2. Output PWM frequency setting

Within 3s of controller power-up, press the SET button 3 times in quick succession, the PWM frequency is set to 500 Hz, the indicator light blink 3 times;

Within 3s of controller power-up, press the SET button 4 times in quick succession, the PWM frequency is set to 2000 Hz, the indicator light blink 4 times;

Within 3s of controller power-up, press the SET button 5 times in quick succession, the PWM frequency is set to 8000 Hz, the indicator light blink 5 times.

## Dimming Curve

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