EC-AV

Sensor

Touch Sensing Switch

- Concealed touch sensing switch, constant voltage output, connect with low voltage LED strip.
- Dupont male jack in, dupont female jack out.
- Maximum 2.5A output current, maximum power 60W@24V.
- Light on/off and brightness adjustment by touch sensor head, brightness range: 0-100%.
- 4 PWM frequencies selectable: 125Hz, 500Hz, 2000Hz (default), 8000Hz.
- Bilateral snap design for easy installation.
- Used for lighting cabinets, closets, wine cabinets and more.



CE RoHS

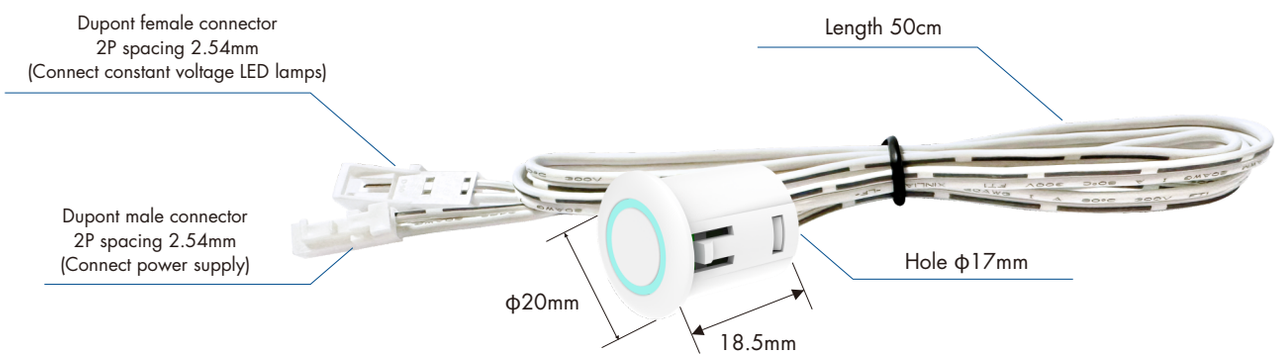
Technical parameters

Input and Output	
Input voltage	5-24VDC
Output voltage	5-24VDC
Output current	Max 2.5A
Output power	12.5-60W
PWM frequency	125Hz,500Hz,2KHz (default),8KHz

Environment	
Operation temperature	Ta: -30°C ~ +50°C
Protection	Reverse polarity
Package	
Size	L80xW45xH30mm
Gross weight	0.027kg

Safety and EMC	
EMC standard	EN IEC 55015:2019+A11:2020 EN 61547:2023 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019
Safety standard	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Certification	CE

Mechanical structures





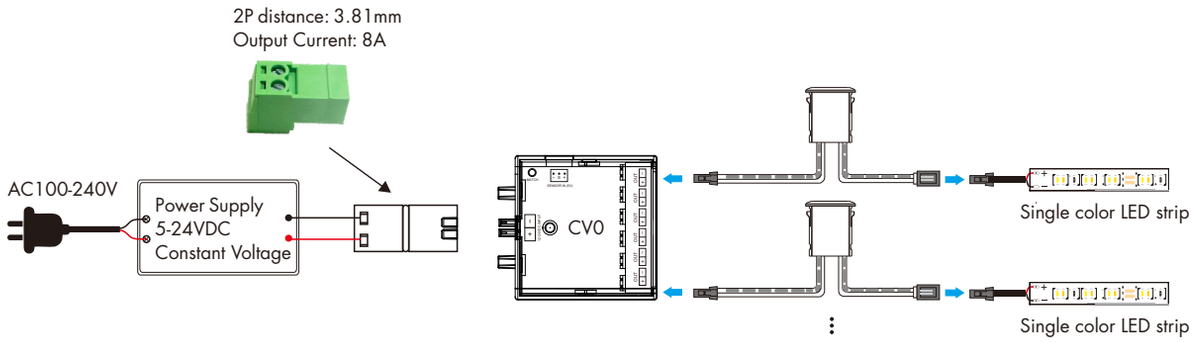
Output, connect to LED light, load 2.5A



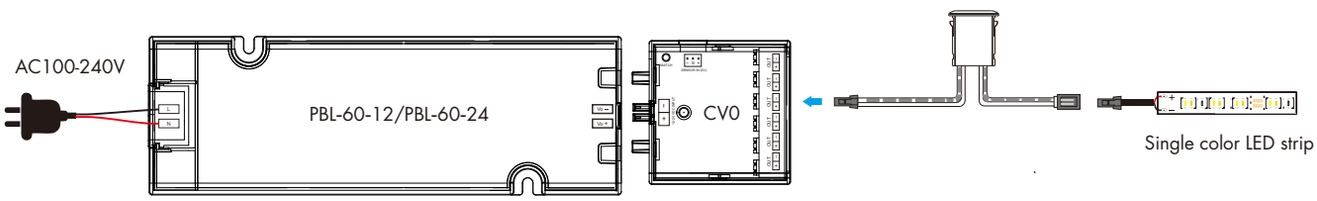
Input, connect to 5V/12V/24V power supply

Wiring diagram

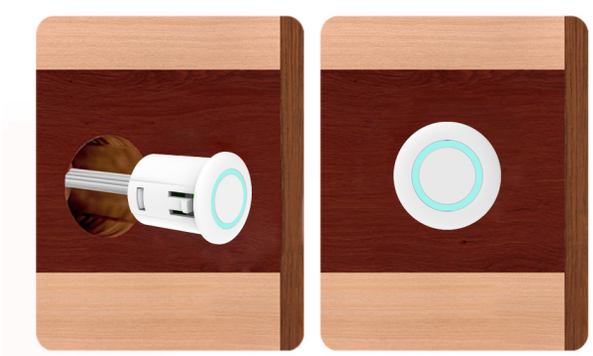
- Power supply with constant voltage power supply + junction box

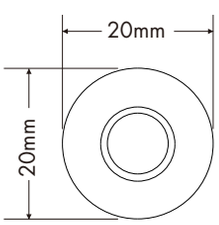


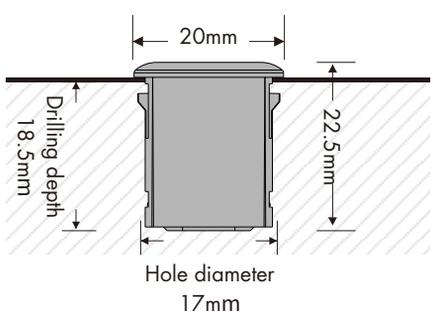
- Power supply using cabinet constant voltage power supply + junction box



Sensing switch installation

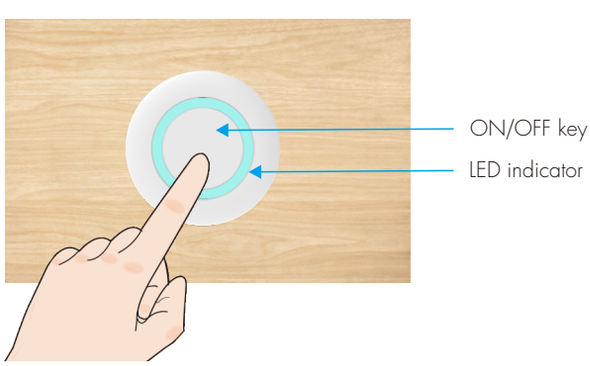






1. Make 17mm diameter hole. 2. Place the sensing switch into the hole.

Sensing switch application



Short touch to turn on or turn off light; long touch 1-6s to dimming up or down.

PWM frequency setting: within 3s after the sensing head is powered on.
Press the ON/OFF key 3 times in quick succession, the PWM frequency is set to 125Hz, the indicator light blinks 1 time;
Press the ON/OFF key 4 times in quick succession, the PWM frequency is set to 500Hz, the indicator light blinks 2 time;
Press the ON/OFF key 5 times in quick succession, the PWM frequency is set to 2000Hz, the indicator light blinks 3 time;
Press the ON/OFF key 6 times in quick succession, the PWM frequency is set to 8000Hz, the indicator light blinks 4 time.