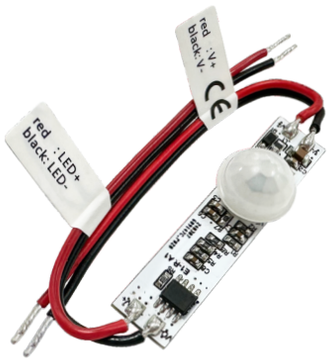
E1-R

Sensor

PIR Motion Sensor Switch

- PIR motion sensor switch, connected directly to the low voltage LED strip.
- When people or objects enter the sensitive field, the strip turn on.
  When these exit the sensitive field, the strip turn off after 30 seconds.
- Max 3A output current, max output power 72W@24V.
- Generally installed in the aluminum lamp strip housing.
- 3M paste in the bottom of the PCBA make easy installation and security.
- Low cost and high stability.
- Widely used in table lamps, bedroom lamps, wardrobe lights, etc.



CE RoHS

Technical Parameters

Input and Output	
Input voltage	12-24VDC
Output voltage	12-24VDC
Output power	Max. 36W@12V Max. 72W@24V

Sensor data	
Sensitive field	⩽3m
Sensitivity angle	120°

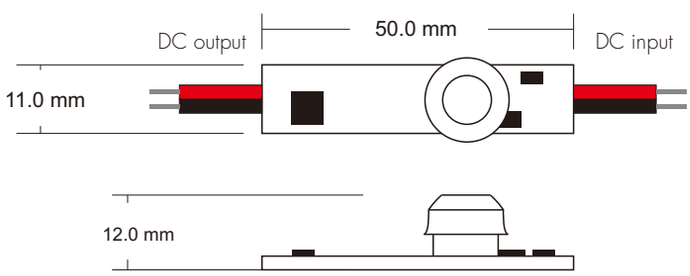
Safety and EMC	
EMC standard	EN IEC 55015/EN IEC 61547
Safety standard	EN 61347-1/-2EN 62493
Certification	CE RoHs

Environment	
Operation temperature	Ta: -30°C ~ +55°C

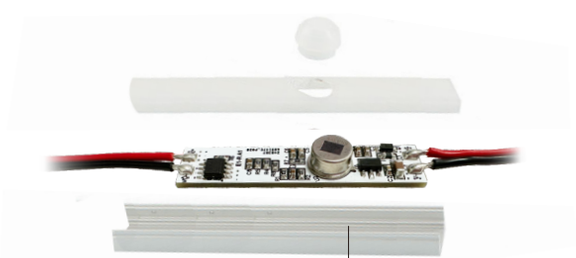
Warranty and Protection	
Warranty	5 years
Protection	Reverse Polarity

Packing	
Size	L90 x H130(mm)
Gross weight	0.013kg

Dimension

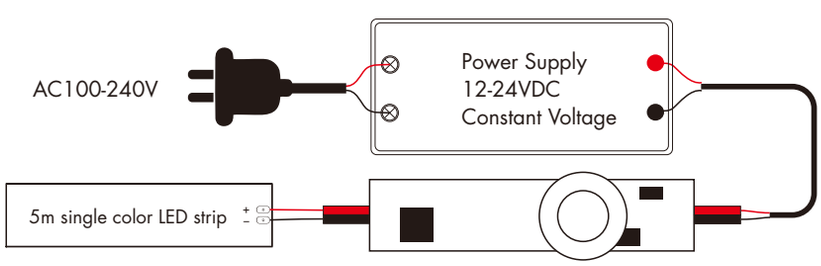


Installation attention



Aluminum channel light bar

Wiring Diagram



Cautions

1. When installing, try to avoid sunlight shining on the induction switch to avoid introducing interference signals.
2. Installed to avoid interference from heat sources, such as cooktops, kitchen appliances that produce high-temperature steam, walls and windows that are exposed to direct sunlight, light strips, air conditioners, heaters, refrigerators, fireplaces and other locations where air temperature changes are sensitive.
3. Installation should be far away from high-powered motor equipment, because the strong electromagnetic signal generated when the motor starts will interfere with the infrared sensor probe.
4. There should be no obstructions in the sensing area (partition screen, furniture, large bonsai, etc.).
5. The power supply must be stable and not fluctuate too much.
6. Put mini sensor switch into profiles when power is off.
7. Pay attention to power input and LED output polarity.