# E1-D

Door Sensor Switch

- Door sensor switch, connected directly to the low voltage LED strip.
- When the door open, or no obstacle ahead, the strip turn on gradually.
  When the door close, or obstacle ahead, the strip turn off gradually.
- Max 4A output current, max output power 96W@24V.
- Output PWM frequency: 2000Hz.
- 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.
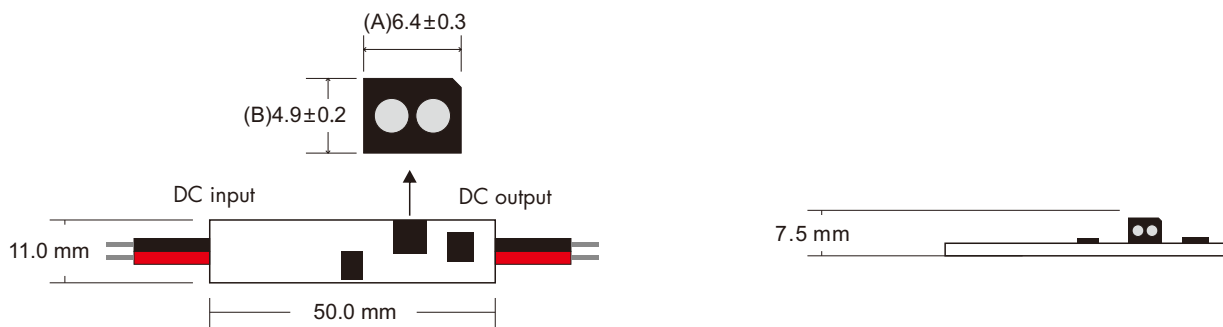- Widely used in wardrobe lights.
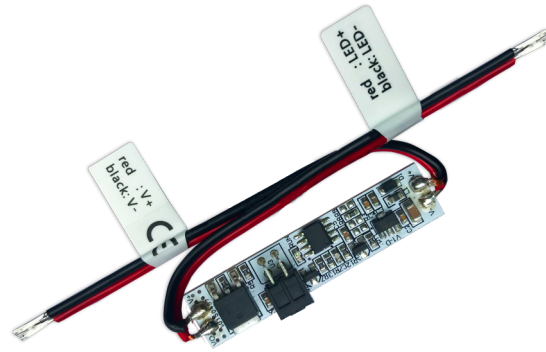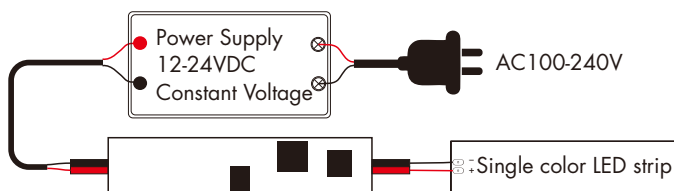
CE RoHS emc LVD

Technical Parameters

Input and Output		Sensor data		Safety and EMC	
Input voltage	12-24VDC	Detective distance	≤5cm	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Output voltage	12-24VDC	Detevtive angle	15-30		
Output power	Max. 48W@12V Max. 96W@24V			Safety standard (LVD)	EN 62368-1:2020+A11:2020
		Warranty and Protection		Certification	CE,EMC,LVD
		Warranty	5 years	Package	
Environment		Protection	Reverse Polarity	Size	L130 x W90 x H20mm
Operation temperature	Ta: -30°C ~ +55°C			Gross weight	0.011kg

Dimension

(A)6.4±0.3

(B)4.9±0.2

DC input

DC output

11.0 mm

50.0 mm

7.5 mm

Wiring Diagram

Power Supply 12-24VDC Constant Voltage

AC100-240V

:Single color LED strip

L7 x H5mm hole

Aluminum profile

Sensor switch

LED strip

PC cover

Installation attention:

1. Cut a hole in size L7 x H5mm on the side of aluminum profile.
2. Put mini sensor switch into profiles when power is off,
   put the detetor head to the hole,
   detector head should face to the objects.
3. Pay attention to power input and LED output polarity.