



STAIR LIGHT CONTROLLER SL002

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Stair Light Controller SL002

This product is a stair light controller based on the bus control method. The biggest advantage is that it reduces the demand for a lot of wiring, and saves construction and material costs.

This Product Including The Main Controller, Pir Sensor Switches, Stair Lights and T-type Cable Power Supply.

1. Parameters of Main Controller (SL002)



Operating Voltage	12-24VDC
Material	Iron
Control Protocol	Single line to zero code
Controller Size	L123.3*W77*H28.8
Application	Stairs, Corridors, Aisles
Max Current	6A <small>(Ignore this if loading current doesn't go through the main controller.)</small>
Reset by One-click	Reset to initial setting status <small>(Press the "mode" button and "-" button at the same time)</small>

Adjustable Parameters

SET

 <p>(Brightness) 1-10</p> <p>The brightness of the light increases by 10%, the higher the value the brighter the light.</p>	 <p>(Speed) 1-10</p> <p>The flow speed of the light The higher the value, the slower the flow speed of the light</p>	 <p>(Pixel) 2-500</p> <p>Determines the number of step lights that can be controlled</p>	 <p>(Delay) 1-10</p> <p>1. Lighting control duration range :1-100 seconds. 2. eg. 1 is 10 seconds, 2 is 20 seconds, 10 is 100 seconds.</p>	 <p>(Model) 1-3</p> <p>1. Flow In/Out (Flowing Effect) 2. Overall Fade In/Fade Out 3. Individually Fade In/Fade Out + Flow In/Out</p>
<p>2700-6500K (color temperature)</p>	<p>10 levels</p>	<p>380K changes in each level gradually.(only for reference)</p>		

2. Light Control Signal Cable(SL002C)

Operating Voltage	24VDC
Max Current	3Afor each light source
Connection	welding
Size	37.5X10X1.6MM



3. PIR Sensor Switch (SL001B)

Operating Voltage	24VDC
Detection Range	<2m
Size	φ34.8MM
Material	ABS
Wire Length	5M



Stair Light Controller SL002

4. COB LED Strip Light(FCOB608DC-24V-M10)

Voltage	DC24V
PCB Width	10MM
LED Quantity	608LEDS/M
Color Temperature	2700K-6500K
Length	1M
Cutable Length	26.33mm/Cut



5. T-type Cable

Size of Main Cable	3X1.5MM ²
Size of Branch Cable	4X0.5MM ²
Distance between Branch Cables	40CM, 4 5CM
Length of Branch Cable	30CM
Color	White and Red

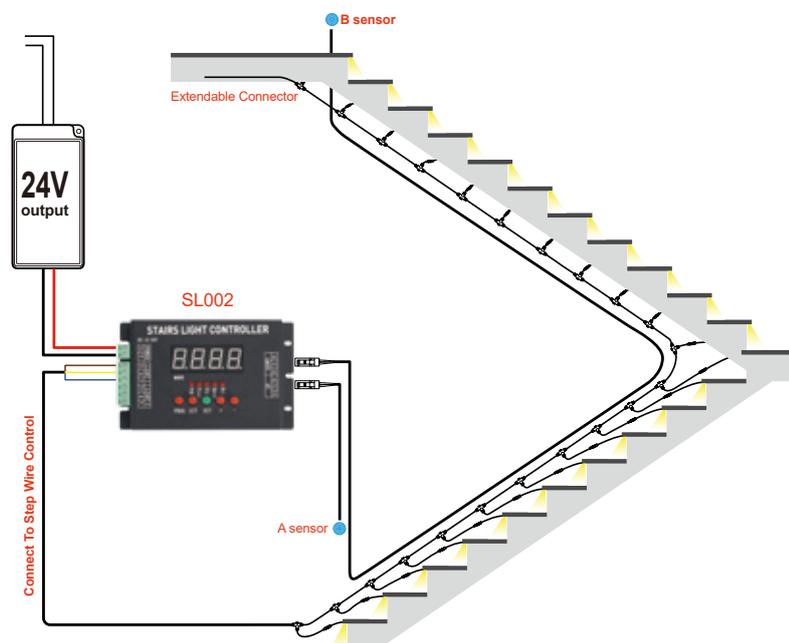


6. Adapter specification

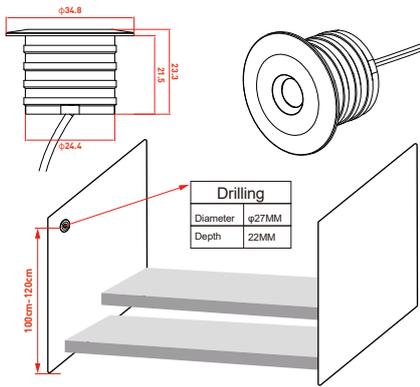
Length	1.5 M
Color	Black
Material	ABS
Power Model	A-150FGD-24V
Input Voltage	100-120/200-240V
Output Voltage	24V/6.25A



7. Controller wiring diagram



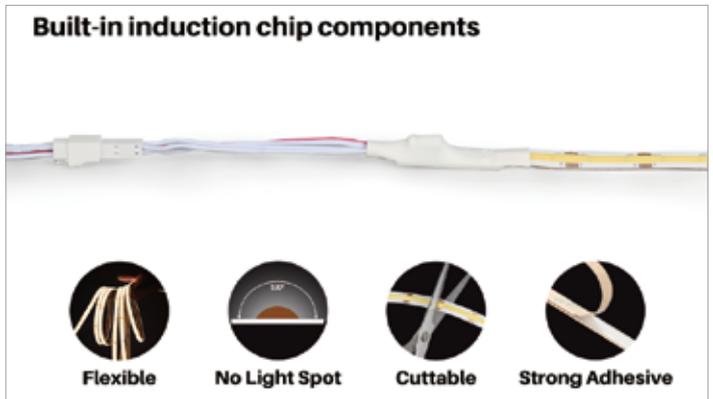
Stair Light Controller SL002



The sensor is suggested to be installed at a height of 100cm-120cm from the ground



8. Packing List



9. Notice of installation

- The cables of the main control should avoid short -circuit and connecting the wrong cables. Our products have been protected, mainly because users can avoid this situation when using other manufacturers' led strips, otherwise it may be possible to burn the strips. In case of this situation, it is usually eliminated by cutting the first pixel of the cutting led strips to avoid the failure.
- When cutting at the end of the main cable of the T -type, it should be avoided short -circuit. It is recommended to cut it obliquely and wrap it with waterproof tape.
- Please ensured that the signal flow is consistent with the flow direction marked on the cable when you install the T -type cable, otherwise the system will not work.
- The maximum current of the entire system and stair lights cannot exceed the specified value.

Stair Light Controller SL002

10. Connection Diagram:



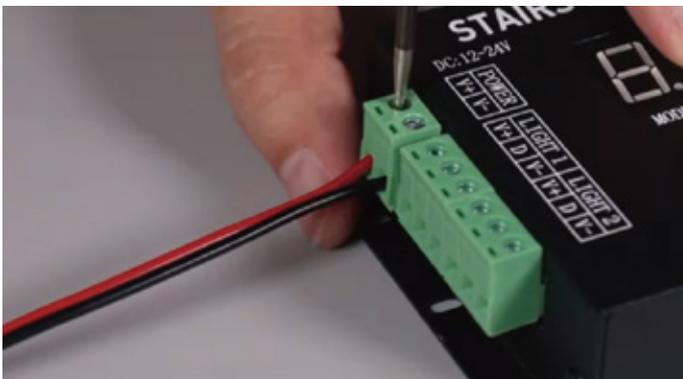
Step 1

Connect the AC power cable to the power port and tighten it



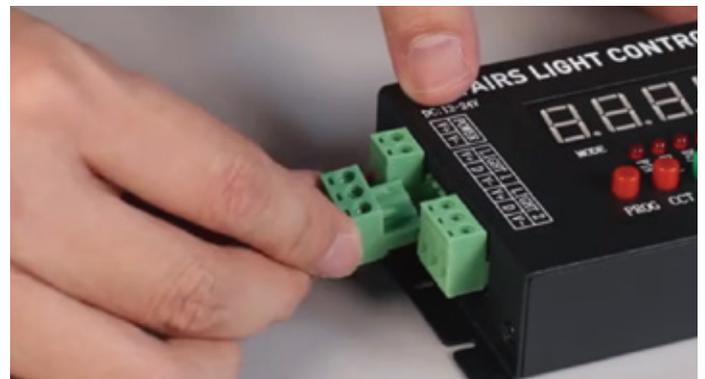
Step 2

Connect the power cable of the main controller to the power port and tighten it



Step 3

Connect the power cable of the main controller to the controller port and tighten it



Step 4

Plug the power cord of the light strip into the corresponding socket of the main control. Pay attention to distinguish between positive and negative poles and signal lines



Step 5

Insert the sensor head into the corresponding socket of the main control



Step 6

Connect the light strip socket to the power socket



Website for product video installation:
https://www.youtube.com/watch?v=S81PThvfFd8&t=258s&ab_channel=SurmountorLighting