



STAIR LIGHT CONTROLLER SL001

Shenzhen Surmountor Lighting Co., LTD

✉ E-mail: sales@surmountor.com
☎ Tel: +86-0755-2792-6119/2792-6326

📍 Add: 2/F Building D Yonghengxin Industrial Park NO.5
Furui Road, Fuyong Town Shenzhen Guangdong China

Stair Light Controller SL001

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 Switchs, Stair Lights** and **T-type Cable**.

1. Parameters of Main Controller (SL001A)



Operating Voltage	12-24VDC
Standby Power Consumption	<0.3W
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>

Adjustable Parameters

 (Brightness) 1-10 Increased by 10%	 (Speed) 1-10 The larger number is, the longer interval time of light-on or light-off between 2 contiguous stairs is.	 (Pixel) 2-500 Determine the controllable number of stair lights	 (Delay) 1-10 10-100 seconds
--	--	---	---

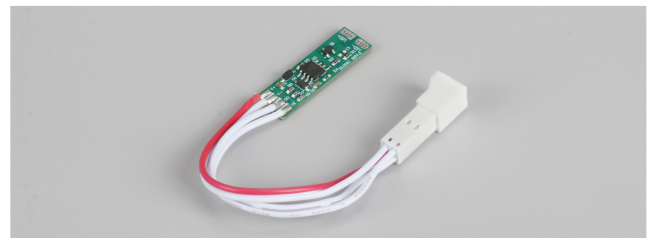
2. Pir Sensor Switch (SL001B)

Operating Voltage	12-24VDC
Detection Range	<2m
Size	φ34.8MM
Standby Power Consumption	<0.2W
Material	ABS



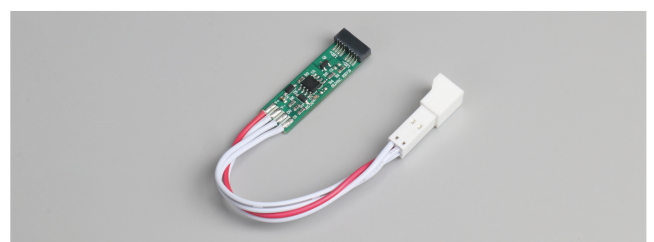
3. Stair Light Control Small Board (SL001C)

Operating Voltage	12-24VDC
Max Current	3A
Size	33X10MM



4. Stair Light Control Small Board (SL001D)

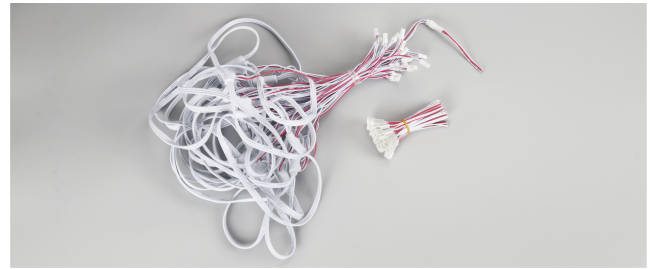
Operating Voltage	12-24VDC
Max Current	3A
Size	36X11MM
Connected LED Strip Thickness	0.4~0.6mm
Connected LED Strip Width	8~10mm
LED Qty	≤120L/M



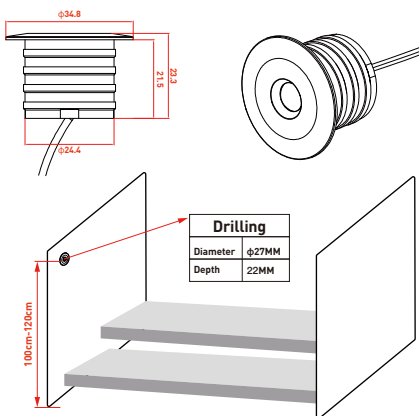
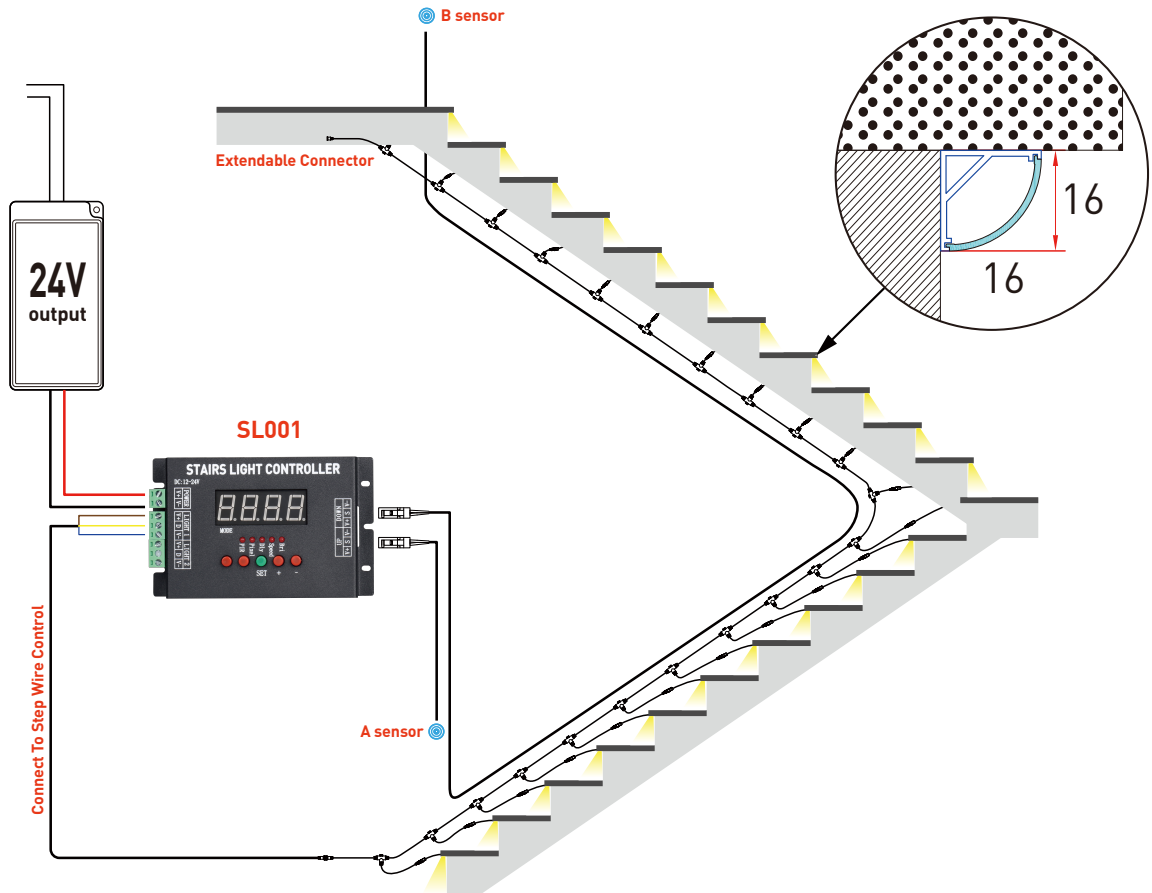
Stair Light Controller SL001

4. T-type Cable

Size of Main Cable	3X1.5MM ²
Size of Branch Cable	4X0.5MM ²
Distance between Branch Cables	40CM, 45CM
Length of Branch Cable	30CM
Color	White and Red



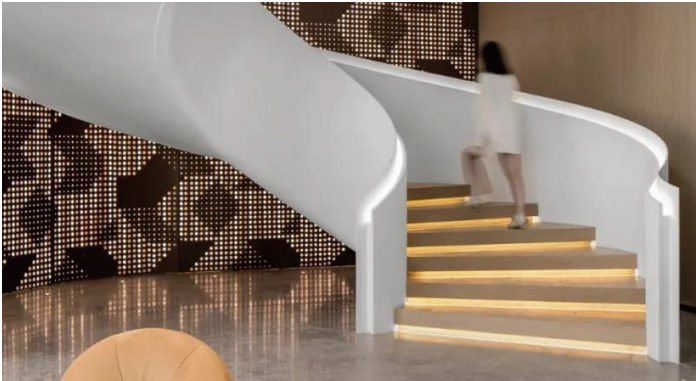
< Controller wiring diagram



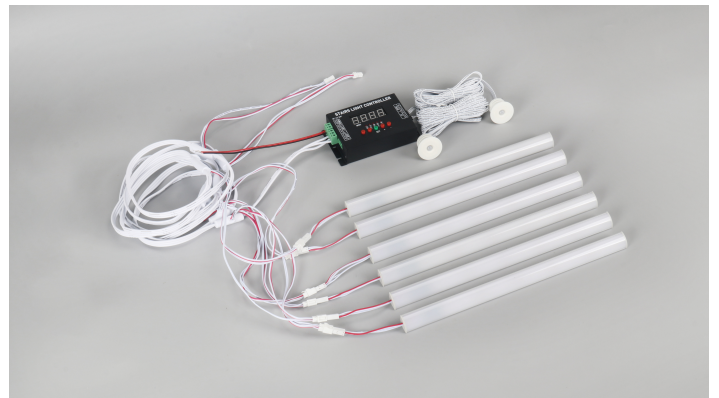
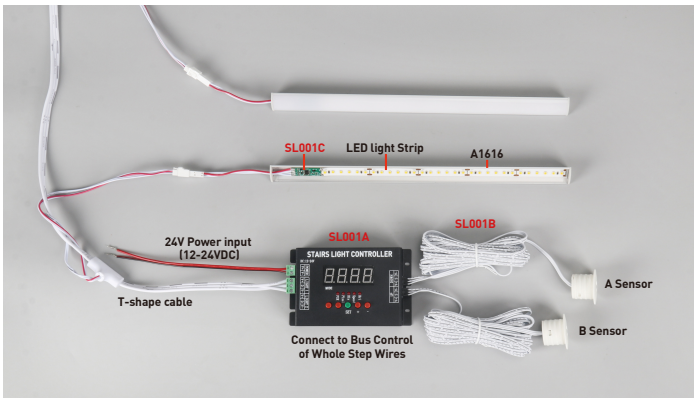
The sensor is suggested to be installed at a height of 100cm-120cm from the ground



< Applications



< Packing List



< 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 ensure 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.