

# Stair Controller

## SW-STAIR-4



### Product Data

Input Voltage:	24 Volt DC
Output Voltage:	24 Volt DC
Stairs:	Minimum 5 Steps Maximum 20 Steps
Loading per Channel:	Maximum 15 Watts
Control Modes:	Static mode and Changing mode
Control Speed:	100 / 200 / 300 / 400 / 500 milliseconds
Working Temperature:	-20°C ~ 50°C
Working Humidity:	40% to 70%
Included with Controller:	1 Remote 2 PIR Sensors 1 Light Sensor 1 Controller
Warranty:	2 Years

Disclaimer: While every care has been taken with the details of these products, Specialised LED Products Ltd accepts no responsibility for any inaccuracies. Specialised LED Products Ltd reserves the right to change the specifications without notice to continually ensure you receive a superior product.

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### Features:

The “SW-Stair-4” 24V DC control system has been designed to operate 1 zone, this is factory set.

There is a 5 stage switch mounted on the side of the controller to adjust the switching time between zones between 100 milliseconds to 500 milliseconds.

Two PIR sensors are supplied for the top and the bottom of the stairs to activate the system. The lights will start from the end that the PIR is activated. They will stay on for 60 seconds once activated then switch off.

The light sensor is used so the lights will only operate below a certain lux level.

The remote control enables the operator to switch from having the lights “Automatic” to being “All on”. When in “All on mode” the PIR sensors are deactivated. If the power is turned off in “All on” mode the controller will return back to “Automatic” mode when the power is turned on again.

Button labelled “A” switch back to “Automatic” mode, button “B” to all on mode.

### Wiring instructions:

**“Warning do not connect power until all steps below are completed in order”**

Install the PIR sensors and reflectors (reflector plates on the opposite wall facing the PIR sensor), at the top and bottom of the stairwell.

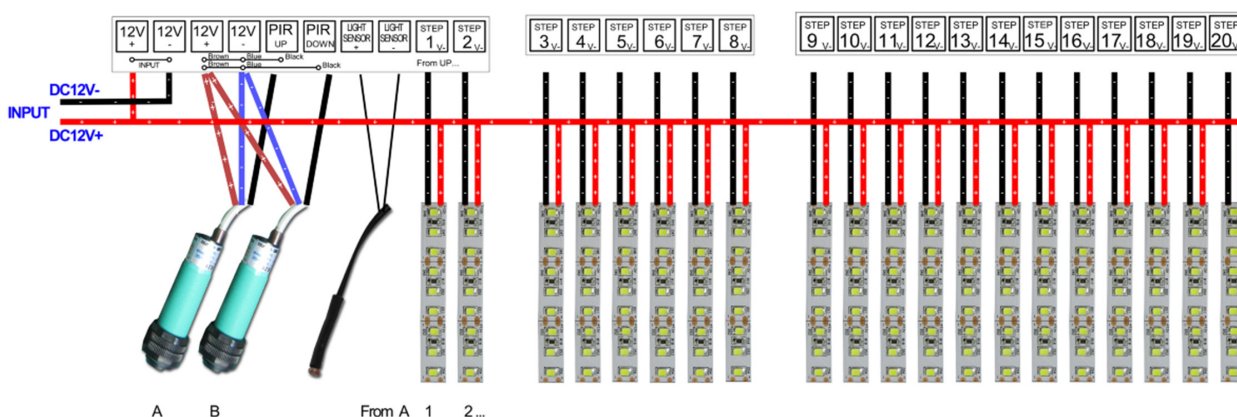
Connect the black wire from the PIR sensor closest to the top of the stairs to the terminal labelled “UP”.

Connect the black wire from the PIR sensor closest to the bottom of the stairs to the terminal labelled “Down”.

The Photocell is already connected with a 5 metre lead, if you want the controller to activate in daylight then cover the photocell at the end of the cable.

Connect the black wire through the single pole switch relay, to the numbered terminal labelled “1”.

The + Red wire from each step is connected directly to the + positive wire on the output of the transformer (refer diagram below).



Connect transformer to controller and strip, and turn on the power, allow 60 seconds for the unit to power up and set before activating the PIR sensor.

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