

LED stair light controller for 16 steps with PIR sensors and remote control

Product codes:

Reference: AM2294

EAN13: -

UPC: 94059900

Product features:

Voltage: 12-24 V DC

Waterproof grade: IP22



Product attributes:

Product description:

The RL-STEP-02 intelligent controller is designed for smooth and automatic control of LED strips on staircases. Using A/B motion sensors, it reacts to the entry and exit of people and allows elegant gradual lighting and dimming of individual steps. An ideal solution for modern interiors where you want to achieve a combination of comfort, safety and aesthetic appearance of lighting.

Technical specifications

- **Model:** RL-STEP-02
- **Supply voltage:** DC 12-24 V
- **Maximum power:** 240 W (max. 15 W per step)
- **Number of channels:** 16 individually controllable outputs
- **LED control voltage:** DC, constant voltage
- **Standby power consumption:** 1 W
- **Case material:** PC (durable plastic)
- **Color:** white
- **Controller dimensions:** 148 × 88 × 30 mm
- **Remote control dimensions:** 130 × 44 mm
- **Sensor dimensions:** diameter 14 mm × length 30 mm
- **Sensor cable length:** 1 m (extension cable 5 m)
- **Protection:** IP20 (intended for indoor use)

- **Weight:** 410g

Functions and features

- Gradual lighting and dimming of LED strips when entering/exiting stairs
- Adjustable number of steps (1-16) via remote control
- 9 transition speed levels (250–1200 ms per step)
- Adjustable delay time and brightness intensity
- Automatic on/off based on motion detection (A/B sensors)
- Modes for different lighting styles (smooth, sequential, etc.)
- LED indicator for each setting (blue and red indicator diodes)
- Easy control via the supplied IR remote control

Ideal for

- Staircase lighting in family houses, apartments and commercial spaces
- Corridors, passageways and staircases with 12/24 V LED strips
- Light automation in design and smart installations
- Modern interiors requiring efficient and energy-efficient lighting

Package contents

- 1× LED stair lighting controller RL-STEP-02
- 2× PIR sensor (A/B)
- 1× remote control
- 1× power connector cable
- 1× user manual

Why choose this product?

- Elegant and automatic stair lighting control with smooth start-up
- Easy installation and simple setup using the remote control
- Support up to 16 steps and high power up to 240W
- Compatible with 12 V and 24 V LED strips
- Safe low voltage power supply and long life
- Modern design suitable for concealed mounting and discreet wiring

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