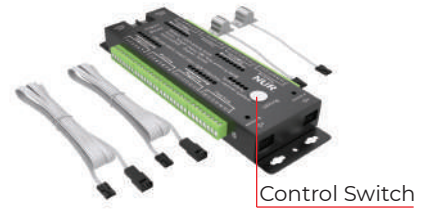


32 STEP CASCADING LIGHT CONTROLLER

DESCRIPTION:

The 32-Step Cascading LED Stair Light Controller delivers a seamless, modern lighting experience by illuminating each step in sequence for safety and style. Built with advanced short-circuit protection and dual motion sensors, it ensures reliable, hands-free operation every time. Designed for both residential and commercial projects, this low-voltage DC24V controller combines sleek functionality with easy installation, making it the perfect solution for creating elegant and energy-efficient stair lighting systems.



FEATURES:

- Anti-short circuit protection with buzzer alarm for fault detection
- Sequential LED lighting for up to 32 steps
- Adjustable lighting speed with 5 levels (100%, 80%, 60%, 40%, 20%)
- Two motion sensors included (A & B) for automatic induction
- Compact, slim housing for easy installation
- Low-voltage DC24V for safe, efficient operation
- Simple push-button operation for step and speed settings
- Sensor mounting options: fixed with screws or embedded (customizable)

APPLICATIONS:

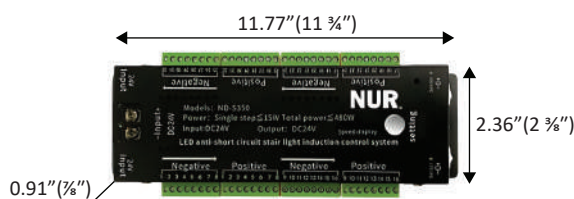
- Residential staircases
- Commercial stairways
- Theaters and auditoriums
- Hotels and hospitality spaces
- Modern architectural projects requiring sequential LED lighting



TECHNICAL SPECIFICATIONS:

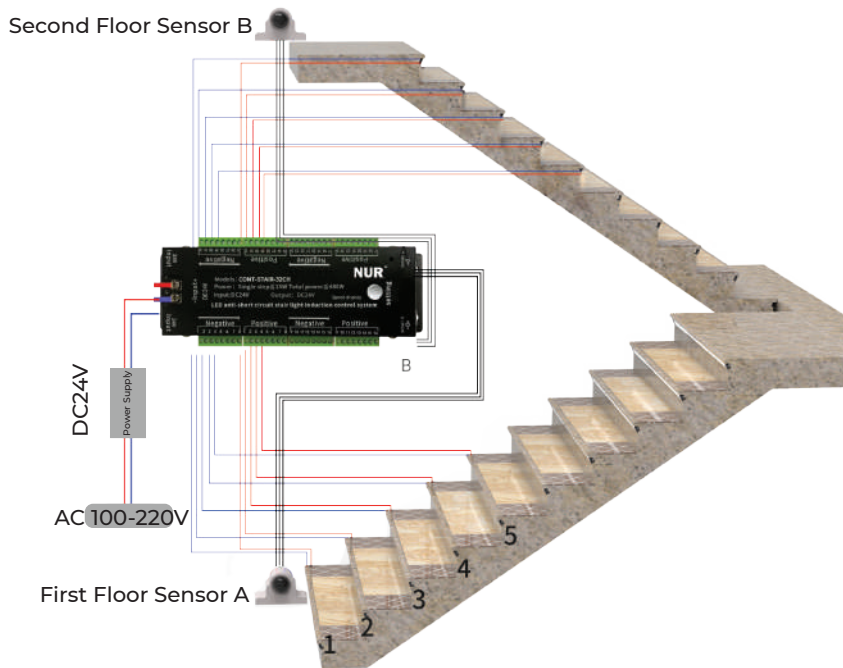
Input/Output Voltage	DC 24V
Step Power	≤ 15W per step
Total Output Power	≤ 480W MAX
Number of Steps	32
Sensors	2 PCS (A & B, included)
Induction Angle	120°
Induction Distance	3.3-9.8 ft
Operating Environment	Indoor, dry locations only
Controller Dimensions	11.77 × 2.36 × 0.91 in
Installation	Wall-mount or embedded (customizable)
Power Requirement	Requires DC24V power supply (do not connect directly to AC 220V)

DIMENSIONS:



CONNECTION METHOD:

- Connect each LED strip to the corresponding controller terminal in sequence.
- Example:
 - Step 1: Positive/Negative → Terminal 1
 - Step 2: Positive/Negative → Terminal 2
 - Step 3: Positive/Negative → Terminal 3
 - Continue until all steps are connected.
- Supports up to 32 LED strip connections.



OPERATION INSTRUCTIONS:

- Speed Adjustment:
 - Short-press the switch to adjust LED speed (5 levels: 100%, 80%, 60%, 40%, 20%).
 - Darker red light = slower speed, brighter red light = faster speed.
 - Note: Adjustments can only be saved when lights are OFF.
- Step Programming:
 - Long-press the switch for 5 seconds to enter step programming mode.
 - Press once to set Step 1, twice for Step 2, and so on, until the total steps are set.
 - Blue indicator confirms programming.
 - Long-press again for 5 seconds to save settings.

SAFETY & INSTALLATION NOTES:

- Use only with DC24V power supply (do not connect to AC 220V).
- Indoor use only – not waterproof; keep away from water, fire, and high heat.
- Strong wind, vibration, or heat sources may affect sensor performance.
- If a short circuit occurs:
 - The buzzer alarm will sound.
 - Check the faulty LED strip and correct the wiring.
 - Restart power after repair; controller will resume normal operation.
- Sensors can be fixed with screws or embedded (customizable).