

KOMIGAN KMG-3233-LW-16

KOMIGAN KMG-3233 Intelligent Motion Triggered LED Stair Lighting Kit User Manual

Model: KMG-3233-LW-16 | Brand: KOMIGAN

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KOMIGAN KMG-3233 Intelligent Motion Triggered LED Stair Lighting Kit. This system is designed to enhance safety and aesthetics on staircases by providing motion-activated, customizable illumination.

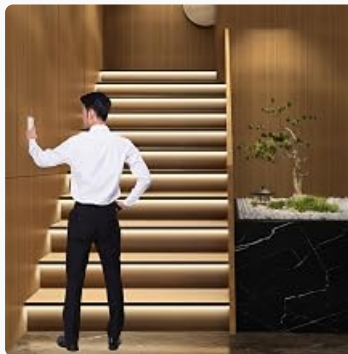


Figure 1: Example of KOMIGAN LED Stair Lighting Kit in a modern staircase setting.

The kit features motion-activated lighting that illuminates steps sequentially as you approach and gradually turns off when you depart. It offers customizable settings for step count, brightness, speed, and delay times, along with modes for automated motion triggering and continuous illumination.

2. SAFETY INFORMATION

- **Indoor Use Only:** This product is designed for indoor use in dry locations. Do not expose to water or high humidity.
- **Power Source:** Ensure the power supply is connected to a compatible AC outlet (110 Volts). Verify the correct input voltage setting on the power supply before connecting.
- **Electrical Installation:** Installation should be performed by a qualified electrician or a person with sufficient

electrical knowledge to prevent electric shock or fire hazards.

- **LED Strip Handling:** Do not bend the LED strips sharply or apply excessive force, as this may damage the internal circuitry.
- **Cutting:** Only cut LED strips at designated cutting marks to avoid damaging the strip.
- **Children and Pets:** Keep all components out of reach of children and pets.

3. PACKAGE CONTENTS

Verify that all components listed below are included in your package:



Figure 2: Overview of included components.

- Instruction Manual (x1)
- Light Extension Cord 9.84ft (x8)
- Light Extension Cord 16.4ft (xN-8, where N is step count)
- Power Supply (x1)
- Power Cord (x1)

- Controller (x1)
- Nylon Cable Ties (x30)
- Motion Sensor (x2)
- Daylight Sensor (x1)
- Sensor Fixing Bracket (x3)
- Sensor Extension Cable 16.4ft (x3)
- Screw Accessories (x1)
- LED Strip Light 40in (xN, where N is step count)
- Number Stickers (x1)

4. SETUP AND INSTALLATION

Follow these steps carefully for proper installation.

4.1. Prepare LED Strips

The 40-inch flexible COB LED strips are cuttable at 1-inch intervals. Measure your stair treads and cut the strips to the desired length. Ensure cuts are made only at the designated marks.

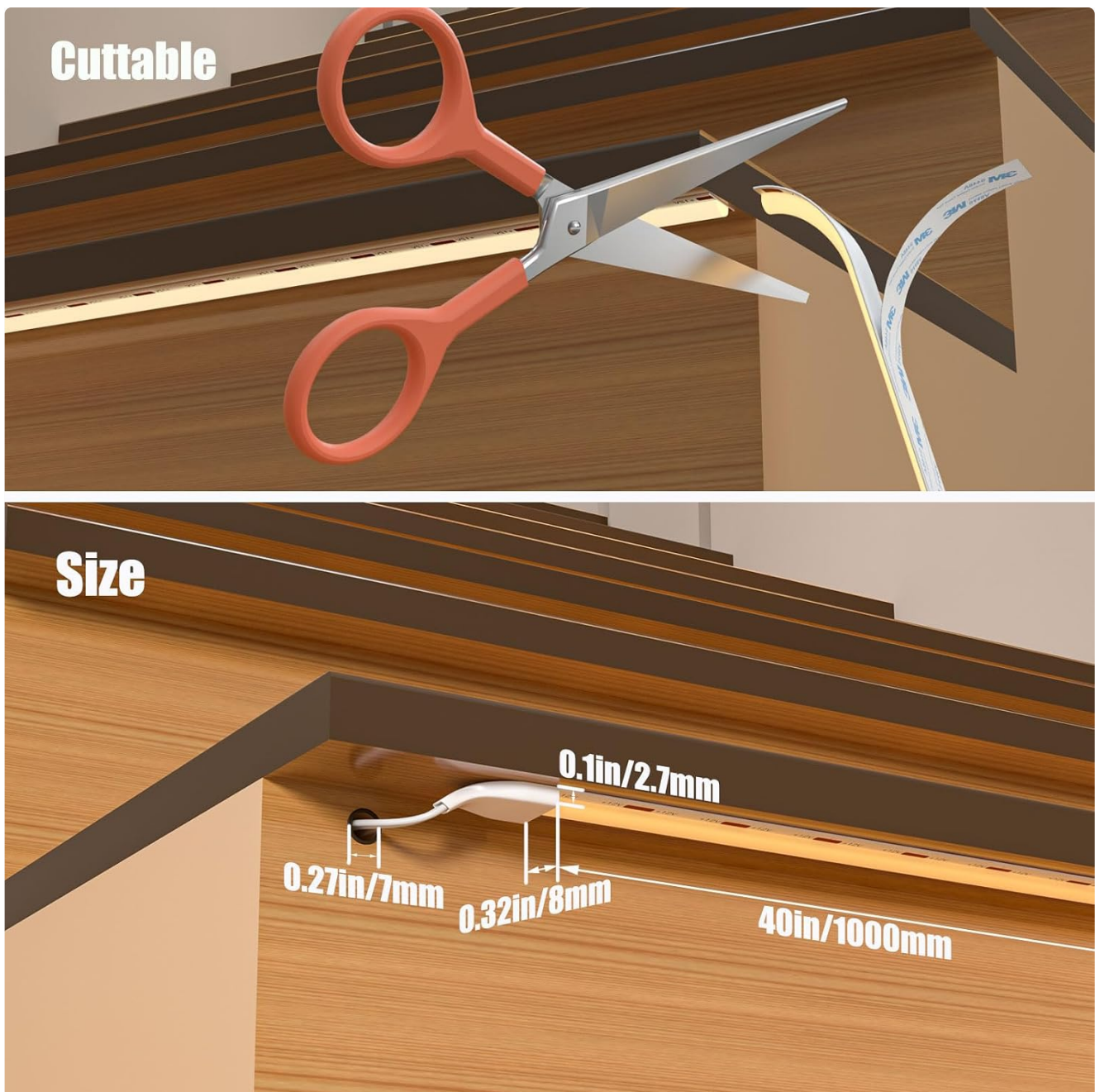


Figure 3: Cutting the LED strip to length.

4.2. Mounting the LED Strips

The LED strips feature a strong adhesive backing for easy installation. Clean the surface of the stair treads thoroughly before applying. You can choose between surface mounting or flush mounting.

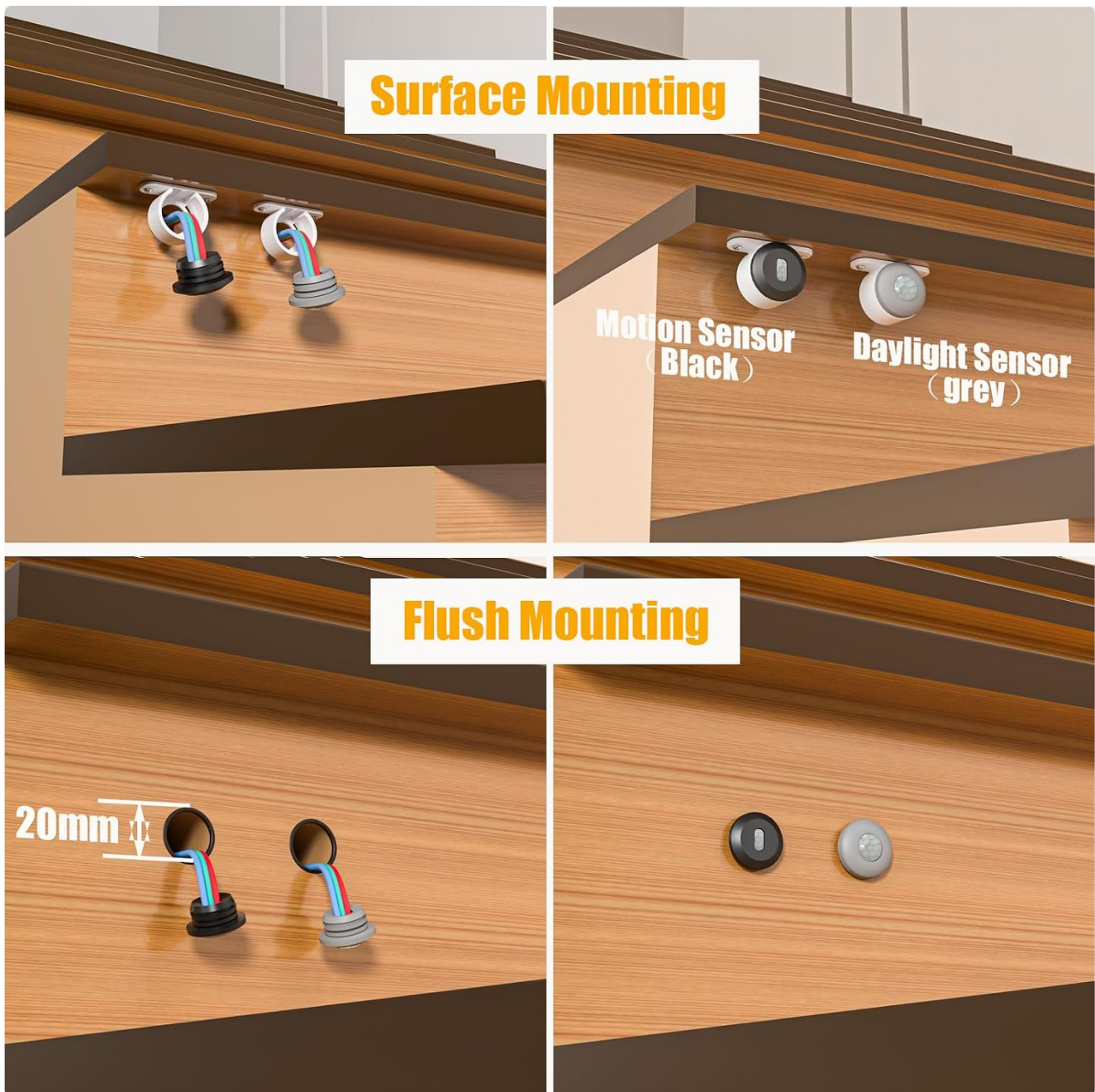


Figure 4: Surface and flush mounting options for sensors.

4.3. Sensor Placement

Install the motion sensors at the top and bottom of the staircase. The daylight sensor should be placed in an area that accurately reflects ambient light conditions.

Video 1: Installation demonstration of the KOMIGAN Motion Sensor LED Stair Lighting Kit. This video illustrates the process of installing the LED strips and sensors on a staircase, showing how the motion sensors trigger the lights.

4.4. Wiring Diagram

Connect the LED strips, motion sensors, daylight sensor, and optional switch panels to the controller as shown in the diagram. Ensure all connections are secure and correctly polarized (positive to positive, negative to negative).

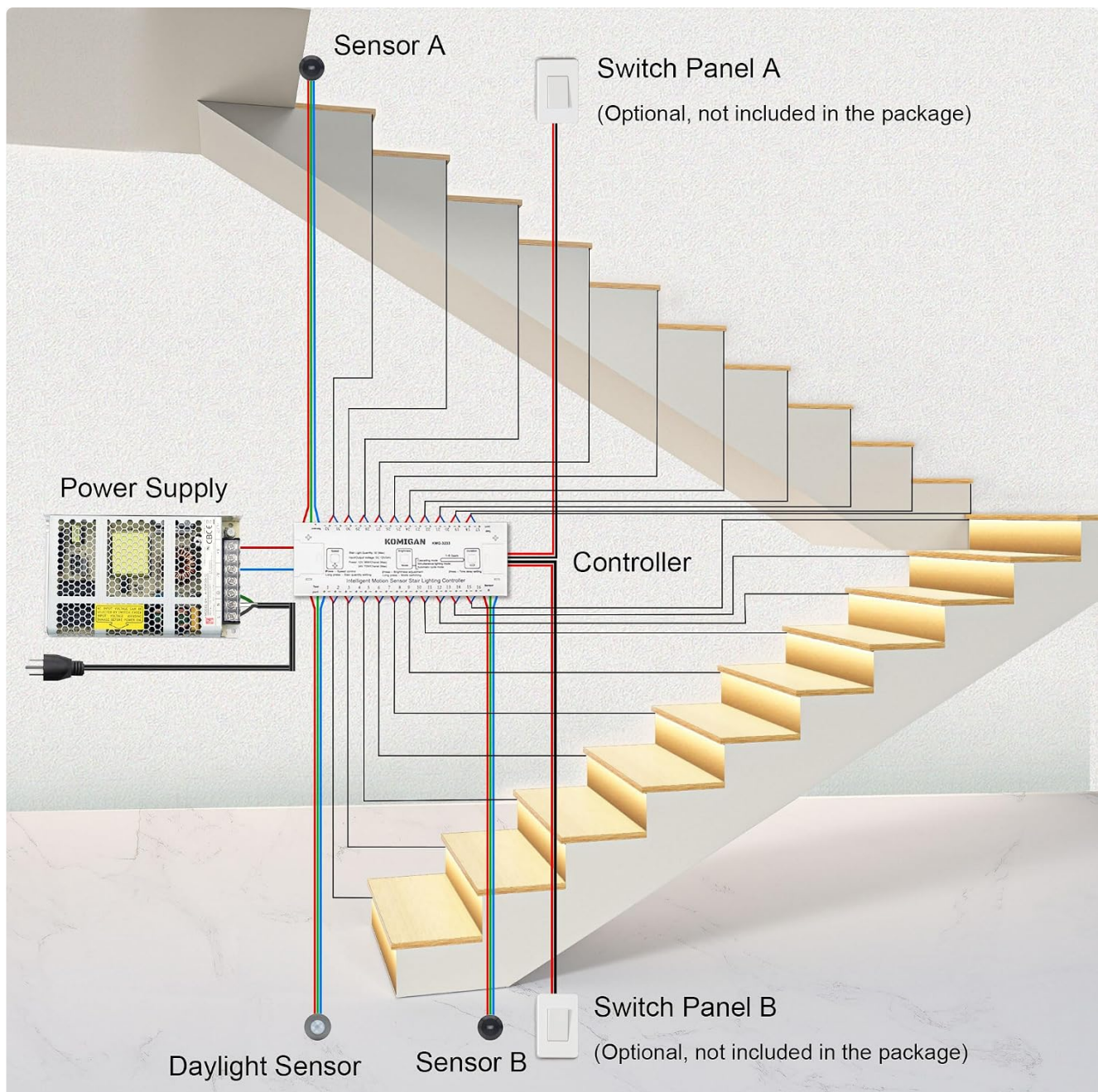


Figure 5: Wiring diagram for the KMG-3233 controller.

Video 2: Detailed installation and wiring guide for the KOMIGAN Motion Sensor LED Stair Lighting Kit KMG-3233. This video provides a step-by-step visual aid for connecting all components to the controller and power supply.

4.5. Power Connection

Connect the power supply to the controller and then plug the power cord into a suitable AC outlet. Before plugging in, ensure the power supply is set to the correct input voltage (110V AC).

5. OPERATING INSTRUCTIONS

The KMG-3233 controller offers various settings to customize your lighting experience.

5.1. Motion Trigger Mode

In this mode, lights turn on in sequence as you step onto the staircase and gradually turn off step by step when you leave. The motion sensors detect presence and activate the lighting effect.



Figure 6: Motion Sensing Mode (right) and Stay On Mode (left).

5.2. Stay On Mode

For continuous illumination, switch to "Stay On Mode" using the optional switch panel. This keeps all stair lights illuminated until manually switched off.

5.3. Daylight Detection

The integrated daylight sensor automatically turns the lights off during the day and on at night, optimizing energy consumption.

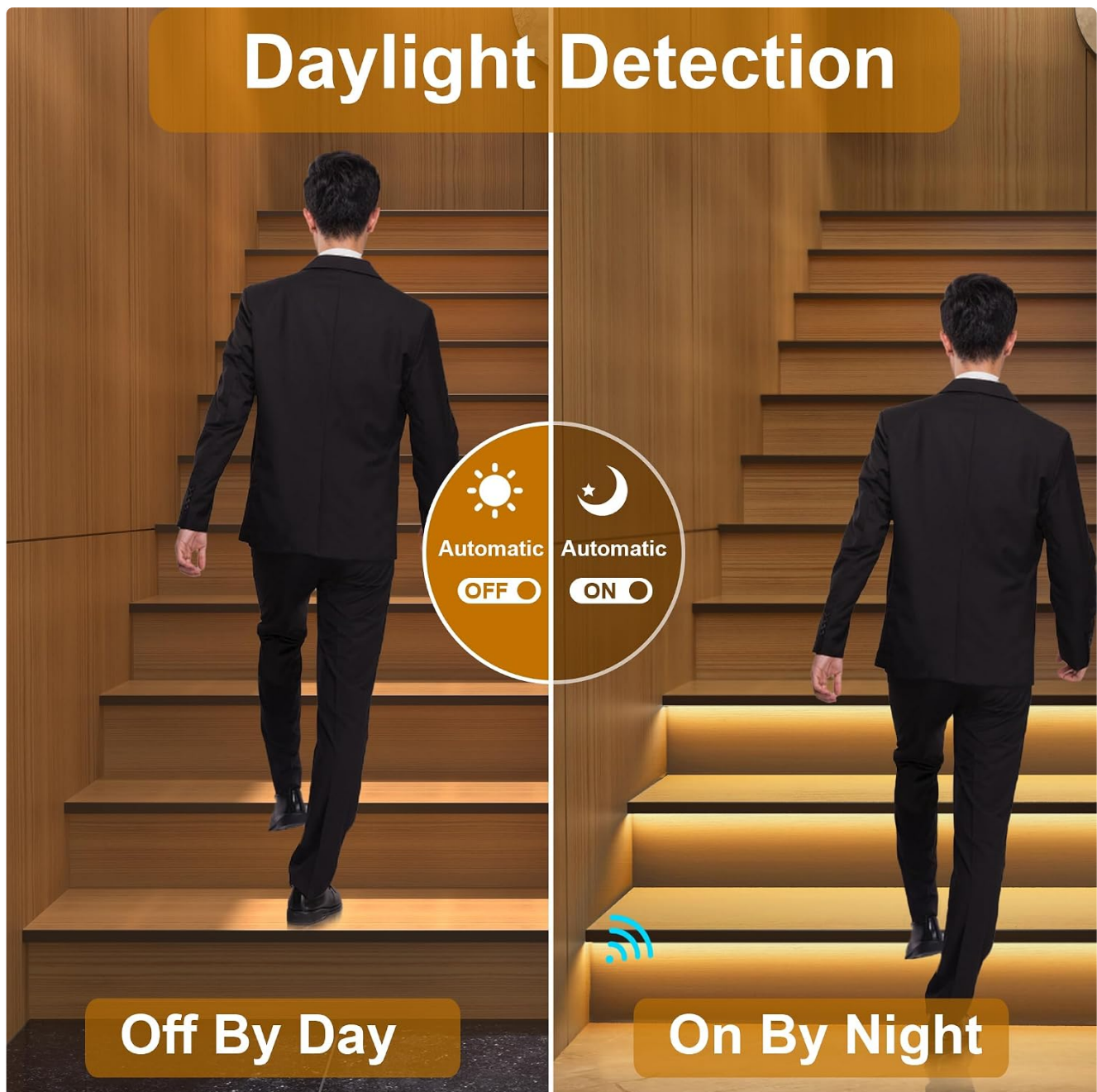


Figure 7: Daylight Detection: Lights off by day, on by night.

5.4. Customizable Settings

The controller allows adjustment of:

- **Step Count:** Adjust the number of steps to match your staircase.
- **Brightness:** Control the intensity of the LED lights.
- **Speed:** Adjust the speed at which lights turn on and off.
- **Delay Times:** Set the duration the lights remain on after motion detection.

6. MAINTENANCE

- **Cleaning:** Gently wipe LED strips and sensors with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all wiring connections for tightness and any signs of wear or damage.
- **Adhesive:** If LED strips begin to peel, re-secure them with additional adhesive or mounting clips.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty sensor.	Check power supply and connections. Ensure sensors are correctly installed and unobstructed.
Lights stay on continuously.	Stuck in 'Stay On Mode', sensor malfunction.	Check switch panel setting. Verify motion sensors are not continuously triggered.
Lights flicker or dim.	Loose wiring, insufficient power, damaged LED strip.	Inspect all wiring. Ensure power supply meets requirements. Replace damaged LED strips.
Motion detection is inconsistent.	Incorrect sensor placement, obstruction, environmental factors.	Adjust sensor angle and position. Remove any obstructions. Ensure sensors are clean.

8. SPECIFICATIONS

Feature	Detail
Brand	KOMIGAN
Model Number	KMG-3233-LW-16
Color Temperature	Warm White 3000K
Material	Plastic
Light Source Type	LED (COB)
Number of Light Sources	16 (for 16 stairs kit)
Voltage	110 Volts (AC)
Wattage	80 watts (Max Compatible Wattage: 160 Watts)
Brightness	11200 Lumen
Control Method	Motion Sensor, Optional Touch/Voice Control (via Wi-Fi)
Indoor/Outdoor Usage	Indoor
Product Dimensions	3.94"L x 1.97"W x 0.98"H (Controller)
Item Weight	6.04 pounds

9. WARRANTY AND SUPPORT

KOMIGAN products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included in your package or visit the official KOMIGAN website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact KOMIGAN customer service through the contact

information provided on the product packaging or website.

You can also visit the [KOMIGAN Store on Amazon](#) for more information and product updates.