

TECKNET TK-SL004

TECKNET 252LEDs Solar Motion Sensor Lights Instruction Manual

Model: TK-SL004 | Brand: TECKNET

1. INTRODUCTION

Thank you for choosing the TECKNET 252LEDs Solar Motion Sensor Lights. This product is designed to provide efficient, bright, and reliable outdoor lighting for enhanced security and convenience. Featuring 252 ultra-bright LEDs, a wide 270° illumination angle, and a sensitive motion sensor, these solar-powered floodlights are ideal for patios, yards, gardens, garages, and other outdoor areas. The included remote control allows for easy selection between three smart lighting modes, adapting to your specific needs. Built with IP65 waterproof rating, these lights are designed to withstand various weather conditions.



Figure 1: TECKNET Solar Motion Sensor Lights product overview.

2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present and in good condition:

- TECKNET Solar Motion Sensor Light Unit (with integrated motion sensor)
- Solar Panel (with 16.4ft / 5m extension cable)
- Remote Control
- Mounting Hardware (screws, plastic anchors, mounting brackets)
- User Manual (this document)

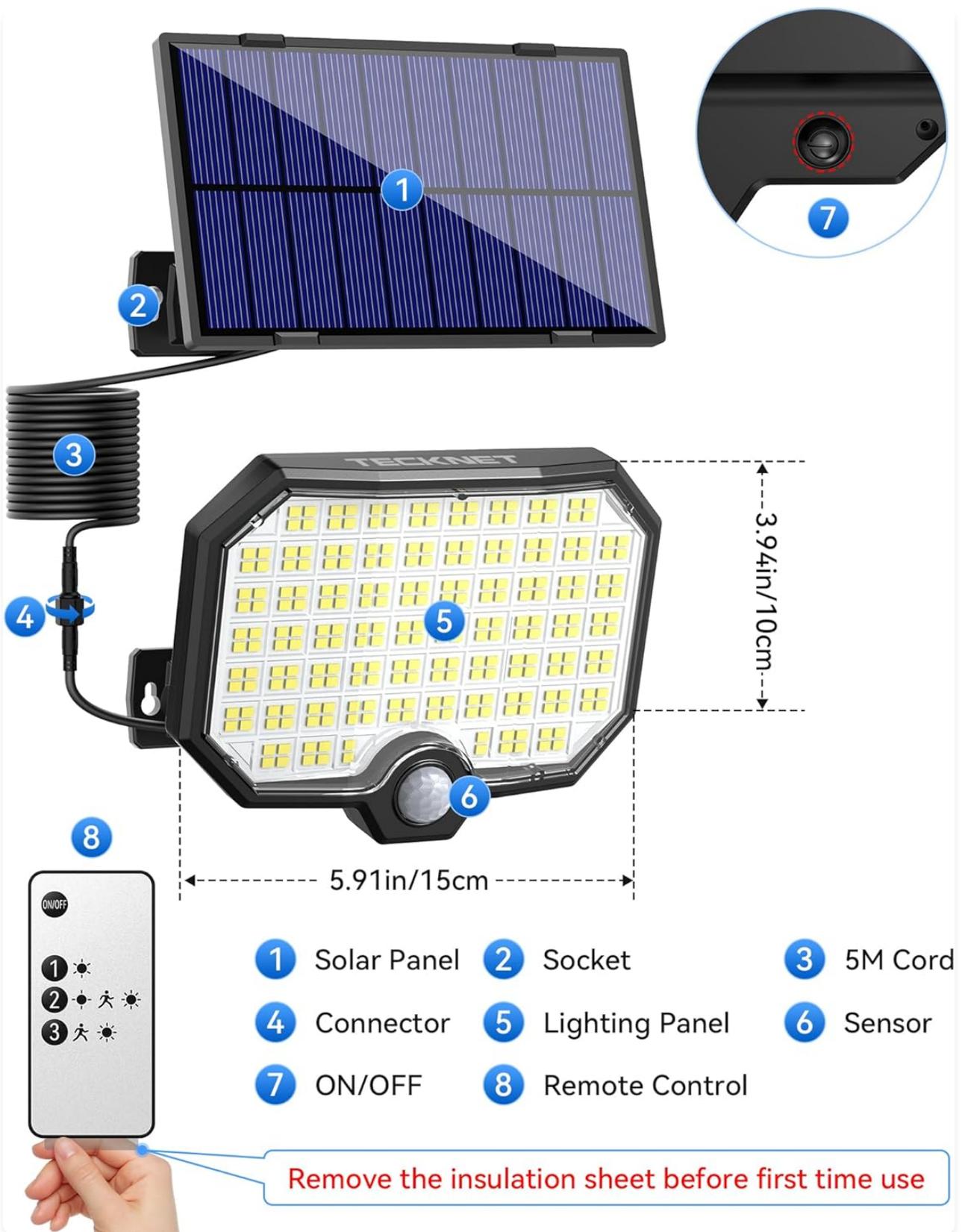


Figure 2: Included components of the TECKNET Solar Motion Sensor Light.

3. SPECIFICATIONS

Feature	Specification
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LEDs	252 Ultra-Bright LEDs
Brightness	3600 Lumens
Color Temperature	6500K Cool White
Battery Capacity	3000mAh Lithium Battery
Solar Panel Conversion Rate	25%
Extension Cable Length	16.4 ft (5 meters)
Waterproof Rating	IP65
Motion Detection Range	8 meters (approx. 26 ft)
Illumination Angle	270° Wide-Angle
Material	Plastic
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Model Number	TK-SL004

4. SETUP AND INSTALLATION

Proper installation ensures optimal performance of your solar lights. The flexible design allows for combined or separated mounting of the light unit and solar panel.

4.1 Choosing a Location

- **Solar Panel:** Mount the solar panel in a location that receives 4-6 hours of direct sunlight daily. Avoid shaded areas from trees, buildings, or eaves.
- **Light Unit:** Install the light unit in the desired area for illumination, ensuring the motion sensor has a clear line of sight to the detection zone. The 16.4ft cable allows for flexible placement, even if the light unit is in a shaded area.

Separate Design+5M for Charging Anywhere

Solar panels absorb large amounts of light most directly, with an energy conversion rate of up to **25%**

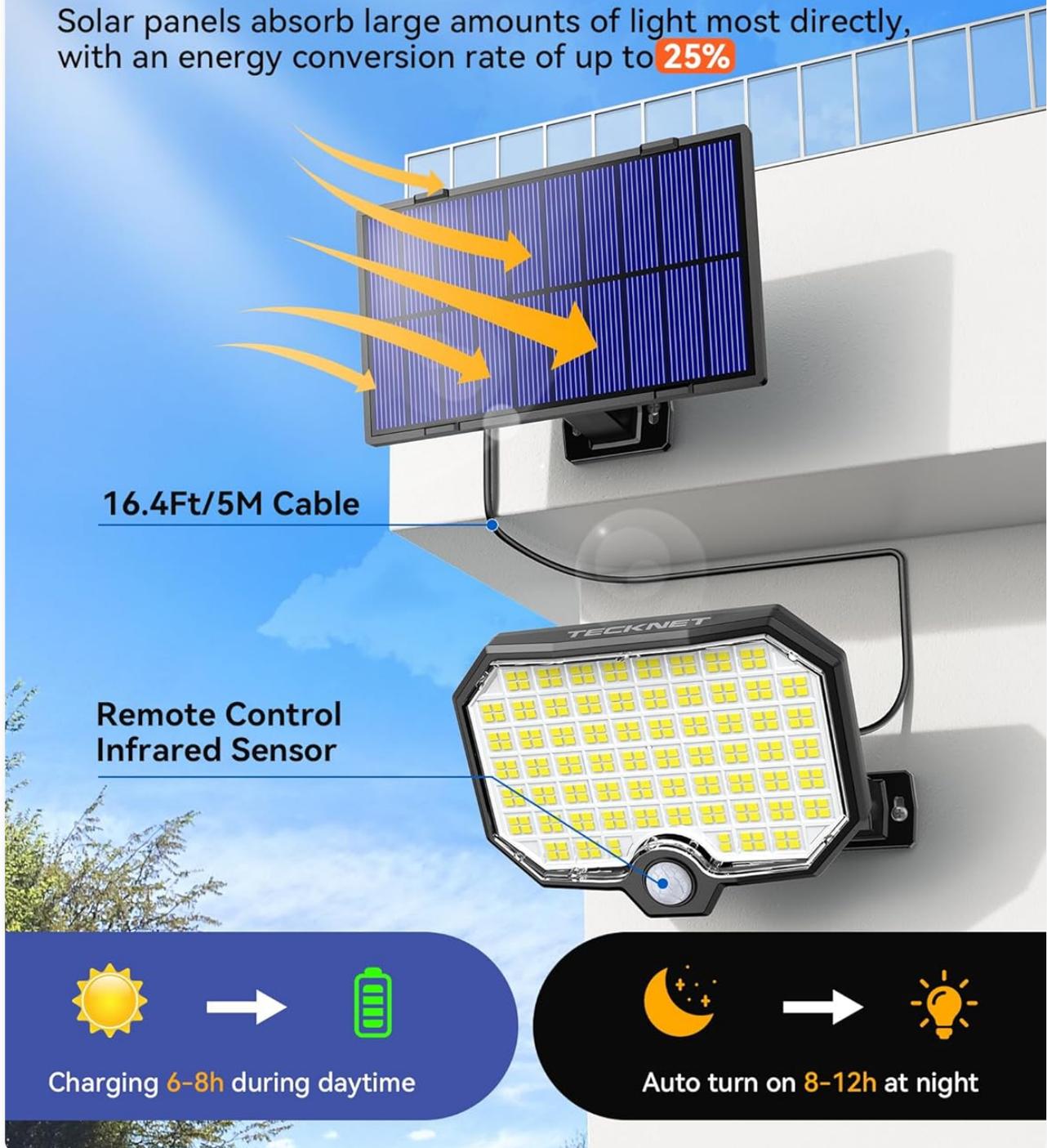


Figure 3: Flexible installation options for the solar panel and light unit.

4.2 Installation Steps

1. **Prepare:** Unpack all components and ensure they are intact.
2. **Mounting Brackets:** Attach the appropriate mounting brackets to the back of the solar panel and the light unit.
3. **Secure Light Unit:** Using the provided screws and anchors, securely mount the light unit to your chosen surface (e.g., wall, soffit).
4. **Secure Solar Panel:** Mount the solar panel in its chosen location, ensuring it is angled to maximize sun

exposure.

5. **Connect Cable:** Connect the extension cable from the solar panel to the light unit. Ensure the connection is secure.
6. **Activate:** Before first use, locate the small ON/OFF button or pinhole on the light unit (refer to Figure 2) and press it to activate the light. Alternatively, remove the insulation sheet from the remote control to enable remote operation.

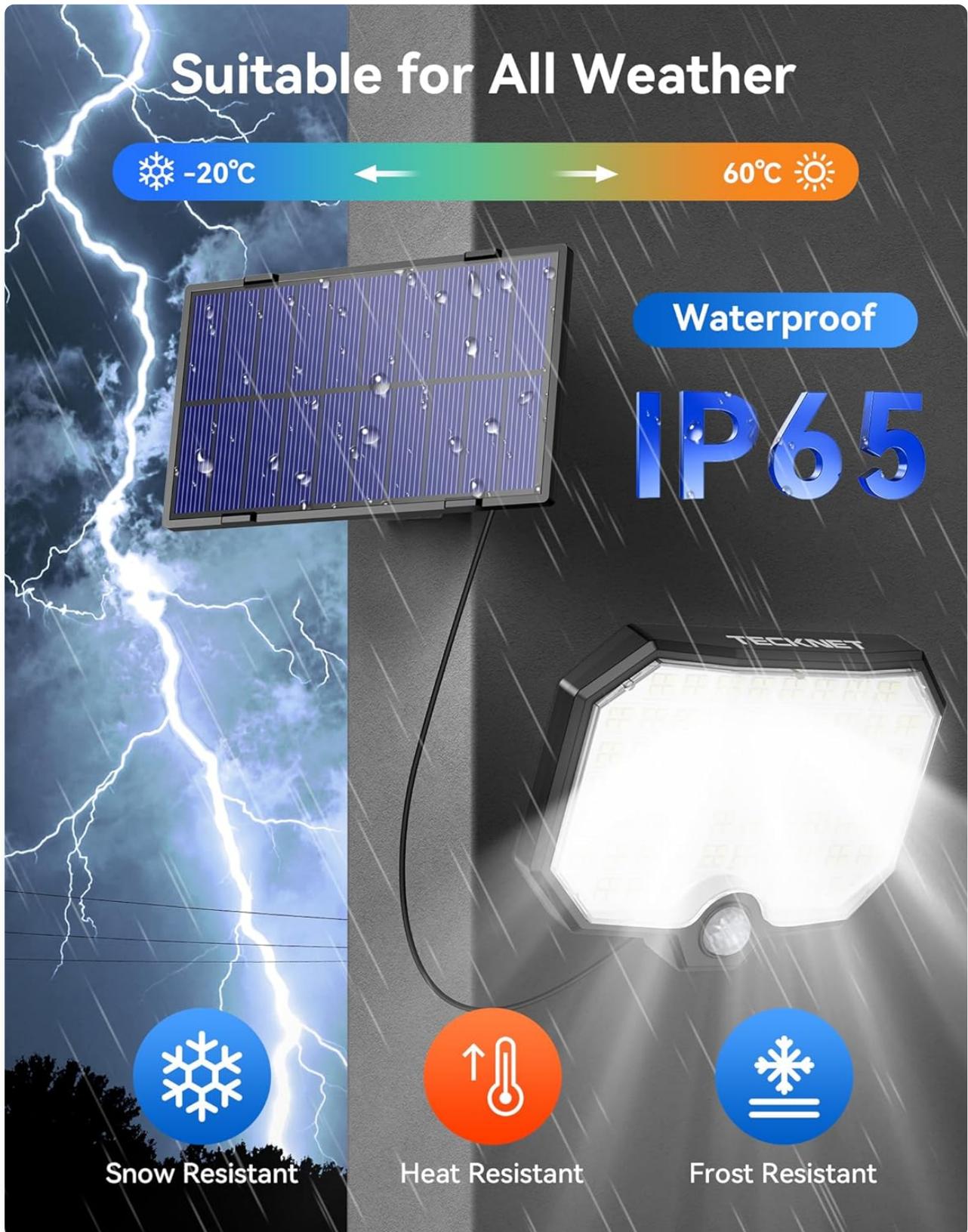


Figure 4: Detailed installation diagram.

Your browser does not support the video tag. Please download the video to view it.

Video Description: A seller demonstrates the installation and features of the TECKNET Solar Outdoor Lights, including remote control operation and different lighting modes.

Video 1: Installation and feature demonstration of TECKNET Solar Outdoor Lights.

5. OPERATING INSTRUCTIONS

Your TECKNET Solar Motion Sensor Lights come with a remote control to easily switch between three smart lighting modes:

- **ON/OFF Button:** Press to manually turn the light on or off.
- **Mode 1: Constant On (50% Brightness)**
The light automatically turns on at 50% brightness at dusk and stays on until dawn. The motion sensor is disabled in this mode.
- **Mode 2: Dimmed Stay + Bright on Motion**
The light stays on at a dimmed brightness (e.g., 30%) at night. When motion is detected, it brightens to 100% for 15-25 seconds, then returns to dimmed mode after motion stops.
- **Mode 3: Off + Bright on Motion**
The light remains off at night. When motion is detected, it turns on at 100% brightness for 15-25 seconds, then turns off completely after motion stops.

Motion Sensor Detector

PIR Motion Sensor--Lights automatically turn on at night when motion is detected.



6-8M

Sensor Angle 120°



Remote control can control 2 lights at the same time without aiming. Do not touch the remote control by mistake.

Figure 5: Explanation of the 3 Smart Lighting Modes.

3 Lighting Modes



Figure 6: Motion sensor detection range.

6. MAINTENANCE

To ensure the longevity and optimal performance of your TECKNET Solar Motion Sensor Lights, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel surface with a soft, damp cloth to remove dust, dirt,

leaves, or snow. A clean panel ensures maximum sunlight absorption and efficient charging.

- **Inspect Connections:** Periodically check the connection between the solar panel and the light unit to ensure it remains secure and free from corrosion.
- **Clear Obstructions:** Ensure no new obstructions (e.g., growing branches, new structures) are shading the solar panel or blocking the motion sensor's field of view.
- **Battery Care:** The integrated lithium battery is designed for long-term use. Avoid disassembling the unit or attempting to replace the battery yourself, as this may void the warranty and damage the product.



Figure 7: All-weather protection of the solar light.

7. TROUBLESHOOTING

If you encounter issues with your solar lights, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	<ol style="list-style-type: none">1. Insulation sheet not removed from remote.2. Insufficient solar charge.3. Light unit not activated.	<ol style="list-style-type: none">1. Remove the clear insulation sheet from the remote control battery compartment.2. Ensure solar panel receives 4-6 hours of direct sunlight daily.3. Press the ON/OFF button on the light unit or remote to activate.
Light does not detect motion.	<ol style="list-style-type: none">1. Motion sensor obstructed.2. Incorrect lighting mode selected.3. Sensor dirty.	<ol style="list-style-type: none">1. Ensure no objects are blocking the motion sensor.2. Switch to Mode 2 or Mode 3 using the remote control.3. Clean the motion sensor lens gently.
Light stays on for a short period.	<ol style="list-style-type: none">1. Insufficient solar charge.2. Frequent activations.	<ol style="list-style-type: none">1. Relocate solar panel to an area with more direct sunlight.2. Reduce unnecessary activations by adjusting light unit placement or mode.
Remote control not working.	<ol style="list-style-type: none">1. Insulation sheet still in place.2. Remote battery depleted.3. Obstruction between remote and light.	<ol style="list-style-type: none">1. Remove the insulation sheet.2. Replace the remote control battery (if applicable, typically CR2025).3. Ensure clear line of sight to the light unit.

8. WARRANTY AND SUPPORT

TECKNET stands behind the quality of its products. Your TECKNET Solar Motion Sensor Lights are covered by a **36-month warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For any product inquiries, technical support, or warranty claims, please contact TECKNET customer service through the platform where you purchased the product or visit the official TECKNET website for contact information. Please have your purchase receipt and model number (TK-SL004) ready when contacting support.