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### treewell TOLM01C

# treewell Motion Sensor Outdoor Light Fixture User Manual

Model: TOLM01C | Brand: treewell

## 1. INTRODUCTION

Thank you for choosing the treewell Motion Sensor Outdoor Light Fixture. This manual provides essential information for the safe installation, operation, and maintenance of your new outdoor lighting solution. Please read these instructions thoroughly before installation and retain them for future reference.

## 2. SAFETY INFORMATION

- **Electrical Safety:** Always turn off the power at the circuit breaker or fuse box before beginning installation or performing any maintenance.
- **Qualified Electrician:** If you are unsure about electrical wiring, consult a qualified electrician.
- **Grounding:** Ensure the fixture is properly grounded to avoid potential electrical shock.
- **Voltage:** This fixture is designed for 120 Volts (AC) power supply.
- **Bulb Type:** Use only recommended bulb types (E26 base, ST58 LED bulb included). Do not exceed the maximum wattage of 60 watts.
- **Outdoor Use:** This product is designed for outdoor use and is waterproof. However, ensure all connections are sealed properly during installation.

## 3. PACKAGE CONTENTS

Verify that all components are present before installation:

- Motion Sensor Outdoor Wall Light (1 unit)
- ST58 LED Light Bulb (1 unit, 6W 2700K 700LM)
- Mounting Hardware (screws, wire nuts, mounting plate)

- Instruction Manual

## 4. PRODUCT FEATURES

- **Integrated Motion Sensor & Dusk-to-Dawn Sensor:** Provides automatic lighting based on ambient light and detected movement.
- **Three Lighting Modes:** Offers PC Mode (Dusk to Dawn), Auto Mode, and Auto+ Mode for versatile operation.
- **Adjustable Settings:** Customize sensing distance (10-40 ft), detection angle (140°), lighting time (20-180s), and dim brightness (20-50% in Auto+ mode).
- **Durable Construction:** Made from heavy-duty aluminum with a black and gold finish and seeded tempered glass, ensuring anti-rust and all-weather resistance (waterproof, stormproof, snowproof, sunproof).
- **Energy Efficient:** Includes an ST58 LED dimmable bulb (6W, 2700K, 700 lumens) with a lifespan of over 20,000 hours.
- **Easy Installation:** Designed for wall mount installation with included hardware and comprehensive instructions.

## 5. SETUP AND INSTALLATION

Follow these steps to install your treewell Motion Sensor Outdoor Light Fixture:

### 1. Prepare for Installation:

- Turn off power at the main circuit breaker.
- Ensure the mounting surface is clean, dry, and structurally sound.
- Gather necessary tools (screwdriver, wire strippers, electrical tape, safety glasses).

### 2. Attach Mounting Plate:

- Secure the universal mounting plate to your junction box using the provided screws. Ensure it is firmly attached.

### 3. Wiring Connections:

- Connect the fixture's ground wire (bare copper or green) to the house ground wire.
- Connect the fixture's white wire to the house neutral wire (white).
- Connect the fixture's black wire to the house hot wire (black).
- Secure all connections with wire nuts and electrical tape.

### 4. Mount the Fixture:

- Carefully align the fixture with the mounting plate and secure it using the provided screws or nuts.
- Ensure the fixture is flush against the wall and sealed to prevent water entry.

### 5. Install Bulb:

- Screw the included ST58 LED bulb into the E26 socket. Do not overtighten.

### 6. Restore Power:

- Turn the power back on at the circuit breaker.



**Figure 1:** Dimensions and Key Components. This diagram provides the dimensions of the treewell outdoor light fixture (6.96"W x 11.1"H). It also includes close-up views of key components: the seeded glass, the black finish with gold trim, the universal mount plate for installation, and the standard E26 bulb socket.

## 6. OPERATING INSTRUCTIONS

The treewell Motion Sensor Outdoor Light Fixture offers three distinct operating modes and adjustable settings. The control dials and mode switch are located on the top of the fixture, protected from elements.



**Figure 2:** Motion Sensor Control Panel. A detailed view of the advanced adjustable PIR motion sensor located on the treewell outdoor light. The image highlights the control dials for 'Low Level' (20%-50% brightness in Auto+ Mode), 'Time' (20s-180s adjustable), and 'Sens' (10ft-40ft adjustable sensing range). A switch for selecting 'PC', 'Auto', or 'Auto+' modes is also visible.

## 6.1. Selecting Lighting Modes

Use the mode switch on the sensor control panel to select one of the following modes:

- **PC Mode (Dusk to Dawn):**
  - The light automatically turns off during the daytime and turns on at night.
  - No motion detection is active in this mode; the light remains on continuously throughout the night.



**Figure 3:** PC Mode Operation. This diagram explains the 'PC Mode' (Dusk to Dawn) functionality. It shows the light fixture automatically turning off during daylight hours and turning on at night, providing continuous illumination from dusk till dawn.

- **Auto Mode:**

- The light remains off at night until motion is detected.
- Upon motion detection, the light turns on at 100% brightness.
- After the adjustable lighting time (20s-180s) without further motion, the light turns off.

- **Auto+ Mode:**

- The light automatically turns on at a dim brightness (20%-50%, adjustable) at night.
- When motion is detected, the light switches to 100% brightness.
- After the adjustable lighting time (20s-180s) without further motion, the light returns to its dim brightness.

## Auto Mode



## Auto+ Mode

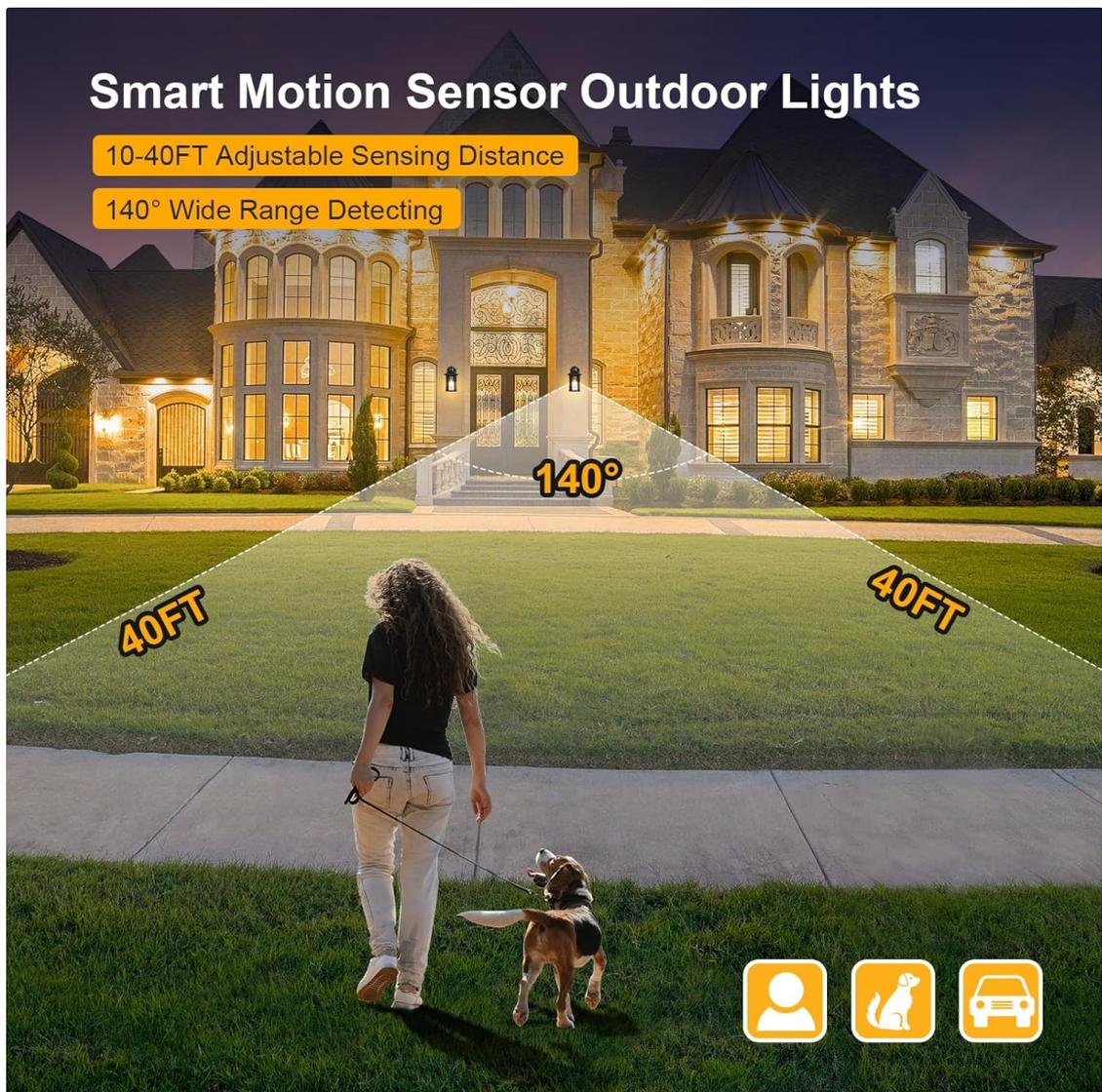


**Figure 4:** Auto and Auto+ Mode Operation. This visual guide demonstrates the 'Auto Mode' and 'Auto+ Mode'. In Auto Mode, the light is off at night until motion is detected, then illuminates at 100% brightness before turning off. In Auto+ Mode, the light stays at a dim brightness (20-50%) at night, switches to 100% upon motion detection, and returns to dim after a set time.

## 6.2. Adjusting Time and Sensitivity

The sensor features three adjustable dials:

- **Low Level (Only for Auto+ Mode):** Adjusts the dim brightness level from 20% to 50% when no motion is detected at night.
- **Time:** Sets the duration the light stays on at 100% brightness after motion is detected. Adjustable from 20 seconds to 180 seconds.
- **Sens (Sensitivity):** Controls the motion detection range. Adjustable from 10 feet to 40 feet. The detection angle is 140 degrees.



**Figure 5:** Motion Sensor Detection Range. An illustration of the smart motion sensor's coverage area. It depicts a 140-degree wide-range detection angle and an adjustable sensing distance of 10 to 40 feet, effectively detecting people, animals, and vehicles.

## 7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your outdoor light fixture.

- **Cleaning:**

- Turn off power before cleaning.
- Wipe the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or glass.
- Clean the motion sensor lens periodically to ensure proper operation.

- **Bulb Replacement:**

- Turn off power before replacing the bulb.
- Allow the bulb to cool completely before touching it.
- Unscrew the old bulb and replace it with a new E26 base LED bulb, not exceeding 60 watts.

- **Inspection:** Periodically check for any loose wiring, damaged glass, or signs of wear. Address any issues promptly.



**Figure 6:** All-Weather Resistance. This image emphasizes the all-weather resistant construction of the treewell outdoor light. Icons represent its waterproof, stormproof, snowproof, and sunproof capabilities, along with a 'Die-Cast Aluminum Anti-Rust' badge, ensuring durability in various environmental conditions.

## 8. TROUBLESHOOTING

If you encounter issues with your light fixture, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night (PC Mode)	Power off; faulty bulb; sensor obstructed or dirty.	Check circuit breaker; replace bulb; clean sensor lens.
Light does not turn on with motion (Auto/Auto+ Mode)	Sensitivity (Sens) setting too low; sensor obstructed; light source nearby interfering.	Increase 'Sens' setting; clear obstructions; ensure no other light source is directly affecting the sensor.

Problem	Possible Cause	Solution
Light stays on continuously or turns off too quickly	Time setting incorrect; constant motion in detection zone; sensor malfunction.	Adjust 'Time' setting; reposition fixture or reduce 'Sens' if unwanted motion is detected; contact support if sensor is faulty.
Dim light not working in Auto+ Mode	Low Level setting too low or off.	Adjust 'Low Level' dial to desired brightness (20%-50%).

If these solutions do not resolve the issue, please contact treewell customer support.

## 9. SPECIFICATIONS

Specification	Detail
Brand	treewell
Model Name	Motion Sensor Exterior Light Fixture
Item Model Number	TOLM01C
Product Dimensions	6.96"L x 6.96"W x 11.1"H
Item Weight	3.65 pounds
Material	Aluminum, Seeded Tempered Glass
Finish Type	Black & Gold
Power Source	Corded Electric
Voltage	120 Volts (AC)
Bulb Base	E26
Wattage (Max)	60 watts
Included Bulb	ST58 LED (6W, 2700K Warm White, 700 Lumens)
Motion Sensor Detection Angle	140°
Motion Sensor Detection Range	10-40 feet (adjustable)
Lighting Time Adjustment	20-180 seconds (adjustable)
Dim Brightness Adjustment (Auto+ Mode)	20%-50% (adjustable)
Water Resistance Level	Waterproof
Certification	ETL Listed

## 10. WARRANTY AND SUPPORT

This treewell Motion Sensor Outdoor Light Fixture comes with a **Limited Warranty**. For specific warranty details, please refer to the warranty card included in your package or contact treewell customer support.

For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact treewell customer service through the retailer where the product was purchased or visit the official treewell website.