

Malibu 8100-9120-01

Malibu 120 Watt Low Voltage Landscape Lighting Transformer Instruction Manual

Brand: Malibu

Model: 8100-9120-01

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the installation, operation, and maintenance of your Malibu 120 Watt Low Voltage Landscape Lighting Transformer. This power pack is designed to provide reliable and efficient power for your outdoor low voltage lighting systems, featuring advanced setting modes, enhanced protection mechanisms, and a weather-resistant design.



Figure 1: Malibu 120 Watt Low Voltage Transformer, suitable for use with LED and incandescent low voltage lights.

2. IMPORTANT SAFETY INFORMATION

WARNING: Risk of Fire or Electrical Shock.

- Mount the transformer at least 1 foot (30 cm) above ground level.
- Do not install the transformer within 10 feet (3 m) of a swimming pool, spa, or fountain.
- Do not connect two or more power supplies in parallel.
- Ensure the total lamp wattage connected does not exceed 120 watts.
- For optimal performance and to allow for voltage drop, add up lamp wattages up to 90% of the transformer's capacity.
- Plug the transformer into a covered Ground Fault Circuit Interrupter (GFCI) outlet only.
- Do not submerge the transformer in water.
- Regularly test the GFCI outlet to ensure proper function.
- Always disconnect power before servicing or changing any bulbs in your lighting system.
- This product is designed for outdoor use only.



Figure 2: The Malibu transformer with its protective door open, displaying important safety warnings and operating instructions.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- 120W Transformer
- 61-inch cable length photo sensor
- Instruction Manual
- Screws (quantity 3: 2 large, 1 small)
- Anchor Walls (quantity 2)
- Bracket for Photo Sensor

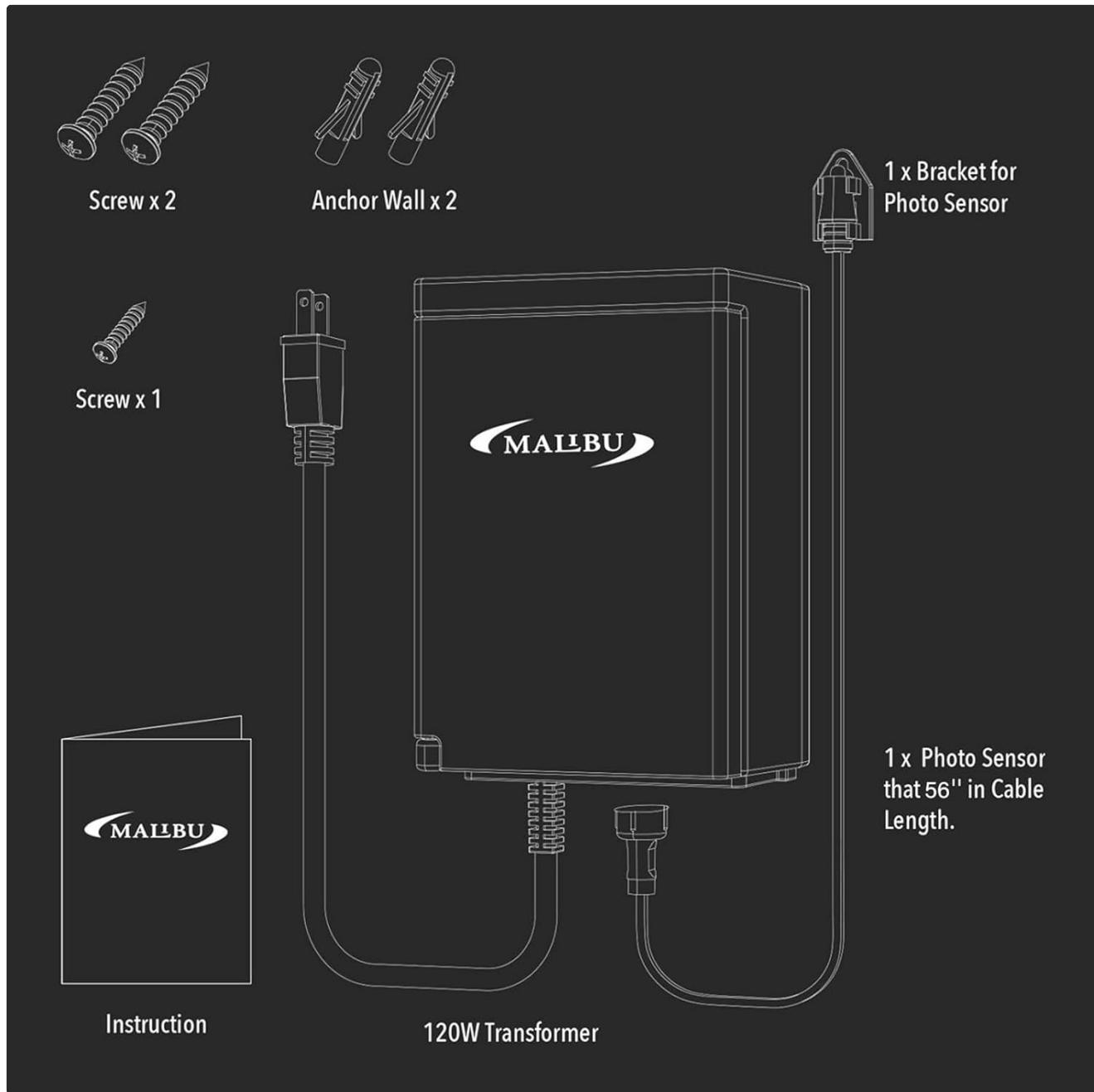


Figure 3: Contents of the Malibu 120W Transformer package.

4. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	8100-9120-01
Product Dimensions	4.7 x 3.4 x 7.5 inches (11.9 x 8.6 x 19.1 cm)
Weight	6.5 Pounds (2.95 kg)
Power Source	Corded Electric
Input Voltage	120V
Output Voltage	12V
Wattage	120 Watts
Mounting Type	Wall Mount
Certification	ETL Listed
First Available Date	July 19, 2016

DIMENSION



45W

120W

200W

300W

Figure 4: Product dimensions for various Malibu transformer models, including the 120W unit.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your landscape lighting transformer:

- 1. Prepare the Installation Location:** Choose a suitable outdoor location for wall mounting, ensuring it is at least 1 foot (30 cm) above ground and away from water sources like pools or spas. The location should also have access to a covered GFCI outlet.
- 2. Mount the Power Pack:** Use the provided screws and anchor walls to securely mount the transformer to a sturdy surface. Ensure the mounting screws are spaced approximately 3 inches (7.6 cm) apart horizontally.
- 3. Connect Landscape Lighting Cables:** Strip 5/8 inch (1.6 cm) of insulation from the ends of your low voltage landscape lighting cables. Connect these cables to the transformer's output terminals. Ensure a secure connection for each wire.
- 4. Mount the Photo Eye Sensor:** The detachable photocell sensor should be mounted in a location that

receives natural light, free from obstructions or artificial light sources that could interfere with its operation. Secure the sensor using its bracket.

5. **Plug into Power:** Once all connections are secure and the transformer is mounted, plug the transformer's power cord into a covered GFCI (Ground Fault Circuit Interrupter) outlet. Ensure the outlet is at least 12 inches (30 cm) above ground level.

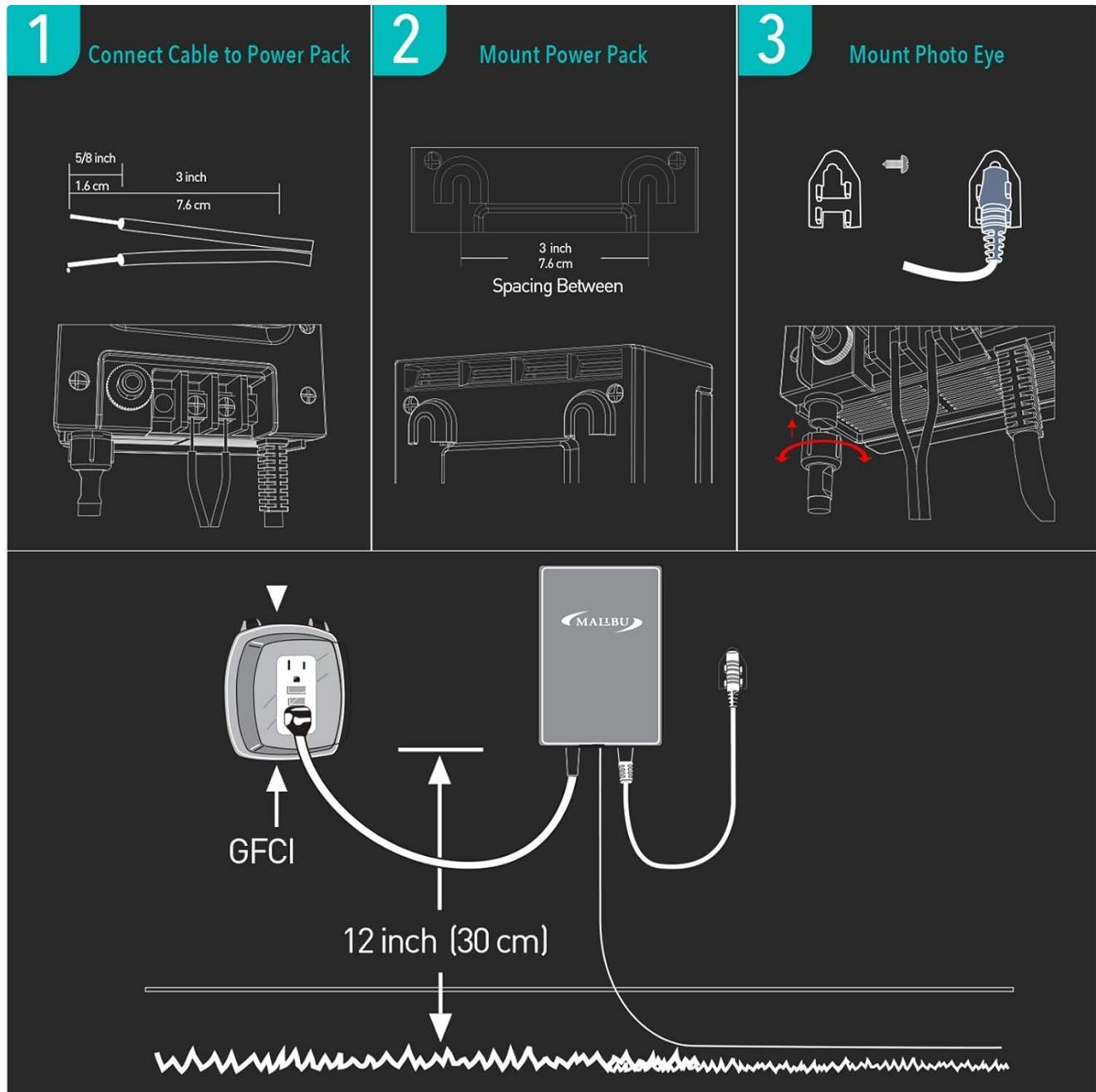


Figure 5: Installation steps for the Malibu Low Voltage Transformer.



Figure 6: Example of a mounted Malibu landscape lighting transformer in an outdoor setting.

6. OPERATING MODES AND SETTINGS

The Malibu transformer offers five distinct operating modes, selectable via the rotary dial on the control panel, to meet various lighting needs and optimize energy usage. The digital display allows for precise time setting.

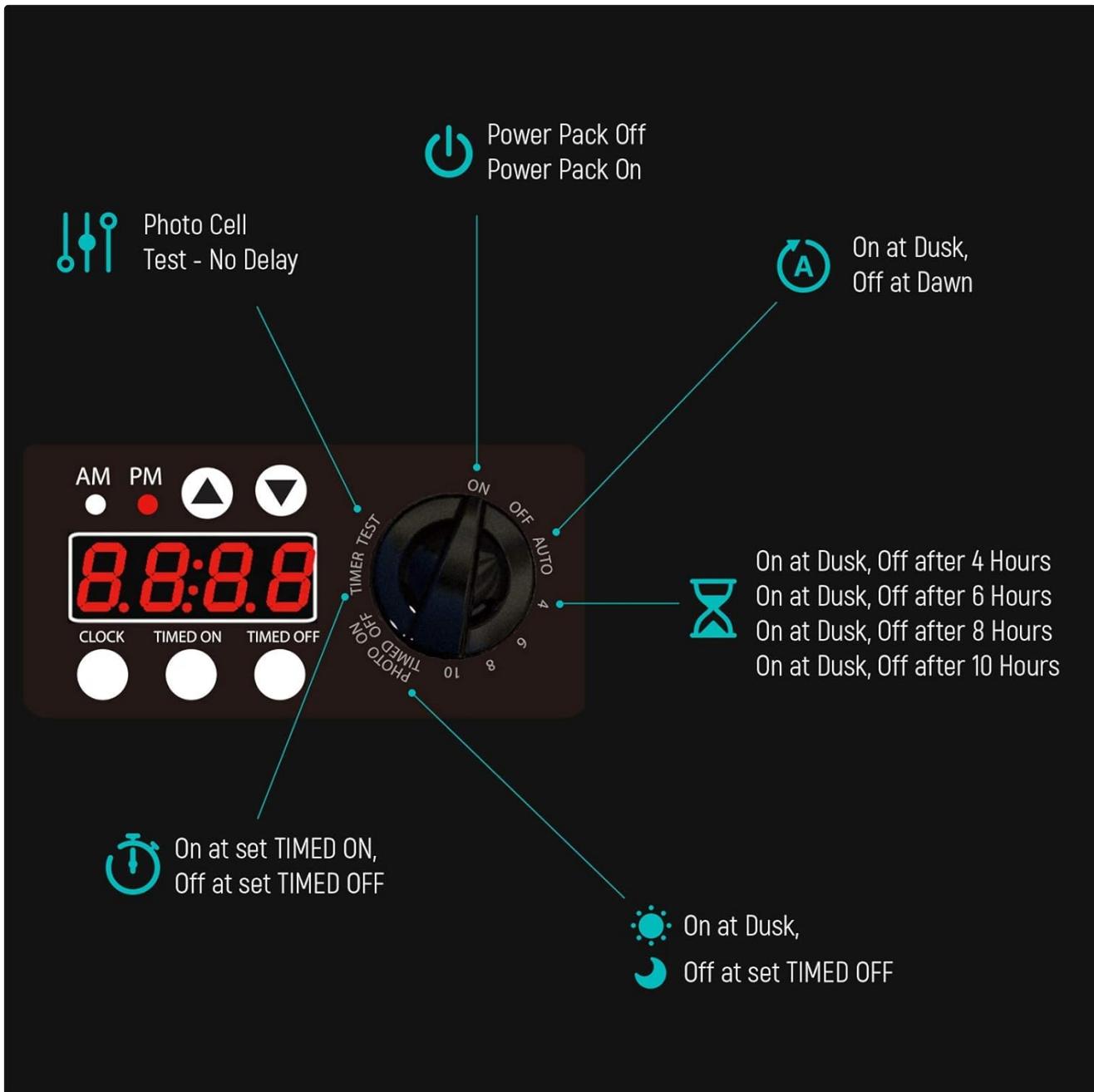


Figure 7: Control panel and operating instructions for the Malibu transformer.

Setting the Clock:

Use the "CLOCK" button and the up/down arrows to set the current time. Ensure the AM/PM indicator is correct.

Operating Modes:

- **OFF:** The power pack is completely off. Lights will not illuminate.
- **ON:** The power pack is continuously on. Lights will remain illuminated until manually turned off or the mode is changed.
- **AUTO (Dusk to Dawn):** In this mode, the detachable photocell sensor activates the lights at dusk and automatically deactivates them at dawn. This provides fully automated, energy-efficient operation.
- **Countdown Timer (4, 6, 8, 10 Hours):** This mode utilizes the photocell sensor to turn lights on at dusk, and then automatically turns them off after a set duration of 4, 6, 8, or 10 hours. Select the desired duration using the rotary dial.

COUNTDOWN TIMER 4,6,8,10 HOURS

Your landscape lights will automatically on at dusk and off after 4/6/8/10 hours



Figure 8: Countdown timer functionality for automatic shut-off after dusk.

- TIMER ON / TIMER OFF:** This mode allows you to set specific ON and OFF times for your lighting system. Use the "TIMED ON" and "TIMED OFF" buttons with the up/down arrows to program your desired schedule.
- PHOTO ON / TIMED OFF:** Lights turn on at dusk (via photocell) and turn off at a specific time you set. Use the "TIMED OFF" button to program the desired shut-off time.

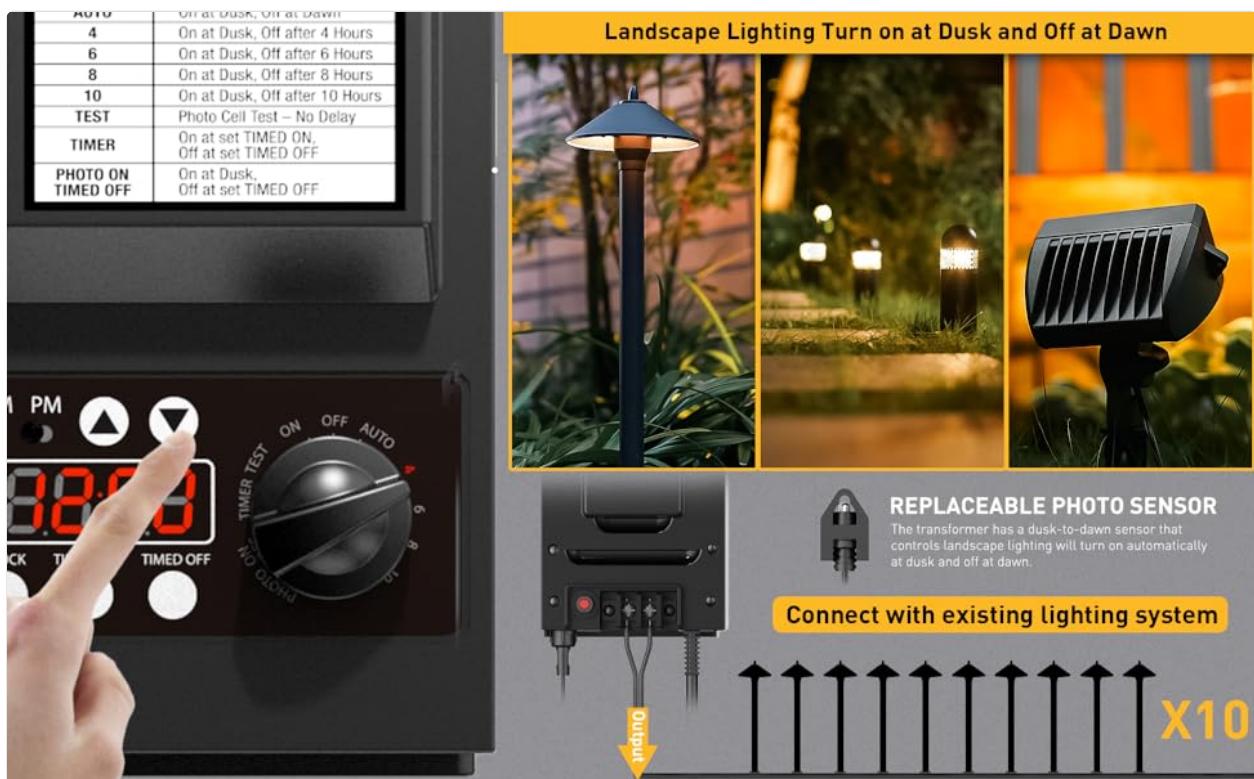


Figure 9: The replaceable photo sensor enables light-controlled operation.

The transformer includes a memory function that preserves the selected mode and time settings during power outages, ensuring uninterrupted operation upon restart.

7. MAINTENANCE

Your Malibu transformer is designed for durability and minimal maintenance. However, periodic checks can ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe down the exterior of the transformer with a damp cloth to remove dirt and debris. Do not use abrasive cleaners or submerge the unit.
- **Connection Check:** Annually inspect all wire connections to ensure they remain secure and free from corrosion.
- **Photocell Sensor:** Ensure the photocell sensor is clean and unobstructed to guarantee accurate dusk-to-dawn operation.
- **Weather Resistance:** The transformer is constructed from durable, waterproof, and high-performance plastic materials, engineered to withstand various adverse weather conditions. Its corrosion-resistant properties ensure reliability in outdoor environments.

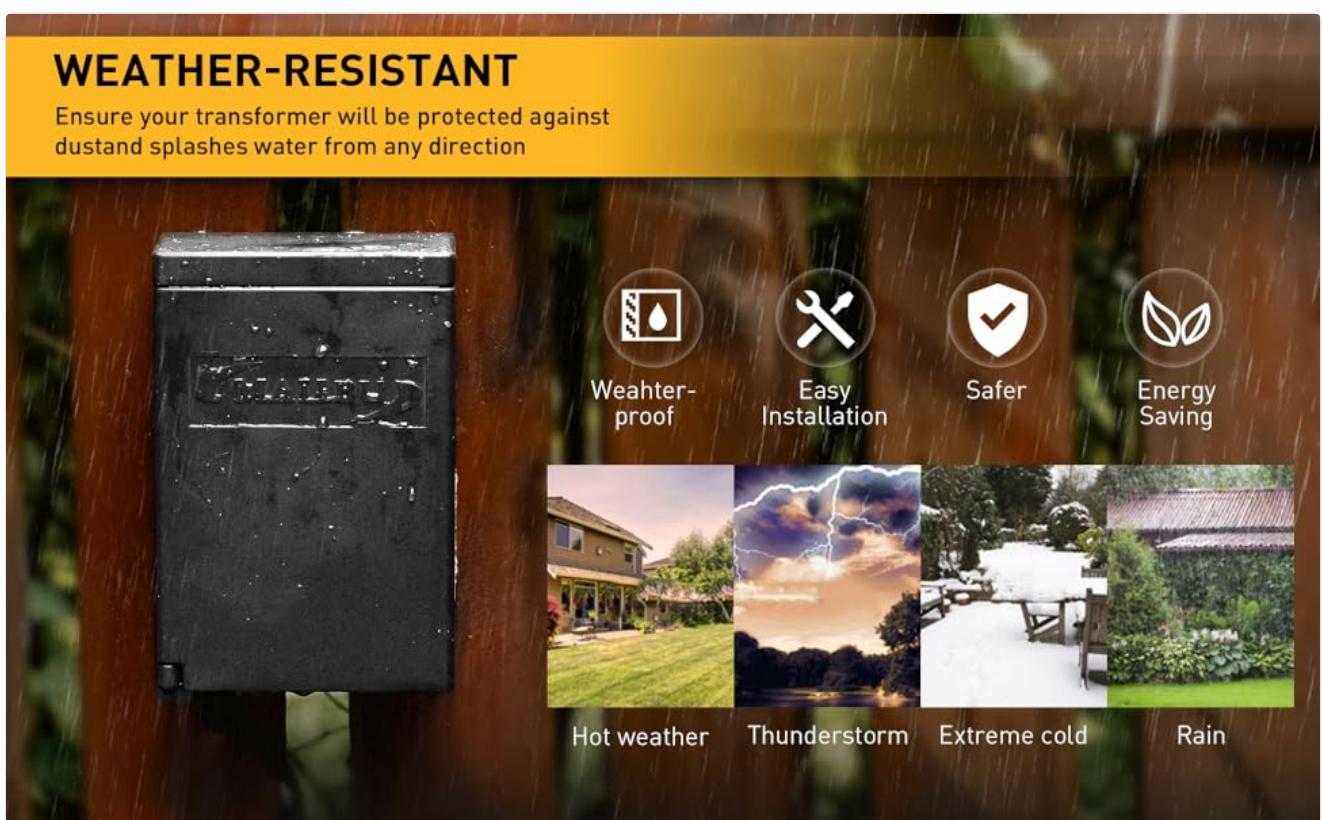


Figure 10: The Malibu transformer's weather-resistant design ensures durability in various outdoor conditions.

PROTECTION CONTROL VERSION

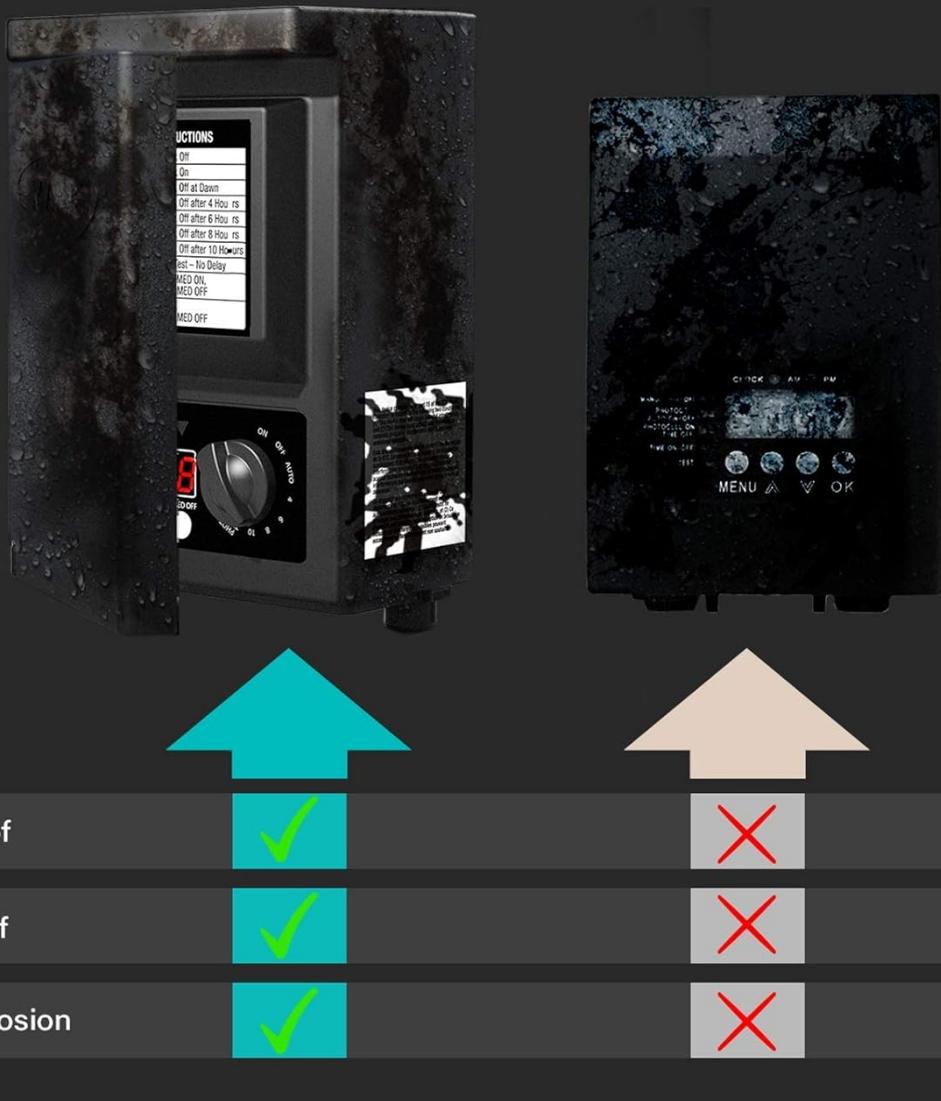


Figure 11: The Malibu transformer offers superior protection against environmental elements.

8. TROUBLESHOOTING

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

Problem	Possible Cause / Solution

Problem	Possible Cause / Solution
Lights are not turning on.	<ul style="list-style-type: none"> ◦ Check if the transformer is plugged into a working GFCI outlet. Test the GFCI outlet. ◦ Ensure the transformer is set to an "ON" or appropriate timed/auto mode. ◦ Verify all wire connections are secure. ◦ Check for tripped circuit breakers or blown fuses in your home's electrical panel. ◦ Ensure the total wattage of connected lights does not exceed 120 watts. The built-in circuit protection may have activated due to overload.
Lights turn on/off at incorrect times or photocell is inconsistent.	<ul style="list-style-type: none"> ◦ Ensure the photocell sensor is clean and free from obstructions (e.g., leaves, dirt). ◦ Verify the photocell is not exposed to artificial light sources (e.g., porch lights, streetlights) at night, which can cause it to turn off prematurely. ◦ If using timed modes, ensure the clock and programmed ON/OFF times are set correctly, including AM/PM.
Transformer makes a buzzing sound.	<ul style="list-style-type: none"> ◦ A slight buzzing sound can be normal for some transformers, especially under load. ◦ If the buzzing is loud or accompanied by other issues, ensure the load does not exceed the transformer's capacity. ◦ Check for loose connections, which can sometimes cause buzzing.
Settings are lost after a power outage.	<ul style="list-style-type: none"> ◦ While the transformer has a memory function, prolonged power outages or specific electrical fluctuations might sometimes affect settings. ◦ Re-set the clock and desired operating mode if settings are lost.

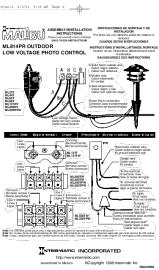
9. WARRANTY AND SUPPORT

The Malibu 120 Watt Low Voltage Landscape Lighting Transformer typically comes with a 1-year limited warranty from the date of purchase, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or replacement parts, please contact Malibu customer service. Refer to the product packaging or the manufacturer's official website for the most current contact information.

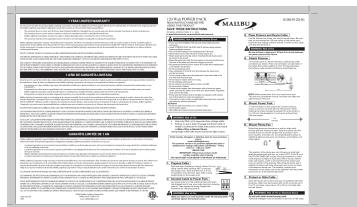
Note: Any unauthorized repairs or modifications to the product will void the warranty.

Related Documents

	<p>Intermatic Malibu ML814PR Outdoor Low Voltage Photo Control Installation Guide</p> <p>Detailed assembly and installation instructions for the Intermatic Malibu ML814PR outdoor low voltage photo control. Includes wiring diagrams, model compatibility, and important notes for safe and correct installation.</p>
	<p>Malibu Freestanding Bathroom Cabinet Assembly Instructions and Safety Guide</p> <p>Comprehensive assembly guide for the Malibu Freestanding Bathroom Cabinet (MLB 8979). Includes step-by-step instructions, hardware list, safety warnings, wall mounting, care tips, and warranty information.</p>
	<p>Malibu Wide Plank Molding Installation Guide</p> <p>Comprehensive installation guide for Malibu Wide Plank Rigid Core Luxury Vinyl Plank Moldings, including Quarter Round, Flush Stair Nose, and 3-in-1 profiles (Reducer, T-Mold, End Cap). Covers preparation, tools, safety, and step-by-step instructions.</p>

Documents - Malibu – 8100-9120-01

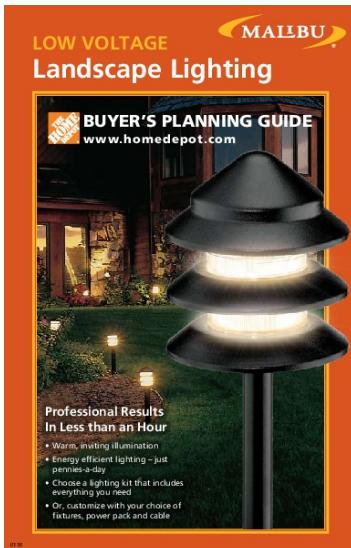
[\[pdf\]](#) User Manual Instructions Specifications Warranty



158 00814 A 1 YEAR LIMITED WARRANTY 120 Watt POWER PACK 8100 9120 01 READ a 3 Place Fixtures and Route Cable 6 Mount Photo Eye 5 Power Pack 4 Attach pack NOT SUITABLE FOR USE with submersible luminaires For one year from date of purchase Malibu Lighting Corporation warrants the against defects due to workmanship or materials original Manual 91J 10A gbl smarthome products productspecs images na ssl amazon I 80

1 YEAR LIMITED WARRANTY For one year from date of purchase, Malibu Lighting Corporation warrants the ... sure there is no wire insulation under the clamping plate, and firmly tighten the terminal screws. **8100-9120-01** 3. Place Fixtures and Route Cable Lay the fixtures out where you want to locate them. B...

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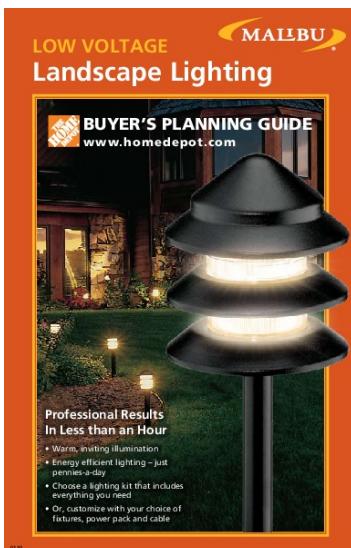
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Landscape Lighting Low voltage outdoor lights are used to highlight architectural features and

landscaping details making your home yard safer more beautiful at 51f5ed18 b093 442d a382

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