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> Malibu 200W Low Voltage Landscape Transformer User Manual

Malibu 8655791

Malibu 200W Low Voltage Landscape Transformer User Manual

Model: 8655791

PRODUCT OVERVIEW

The Malibu 200W Low Voltage Landscape Transformer is designed to power various 12V AC outdoor lighting fixtures, including LED, halogen, and incandescent lights. This power pack converts standard 120V AC household current to a safe 12V AC output, making it ideal for illuminating gardens, pathways, patios, and other outdoor areas. It features a built-in photo sensor and multiple timer modes for automated operation, ensuring efficient and convenient control of your landscape lighting system. The robust, weatherproof design provides durability for outdoor use.

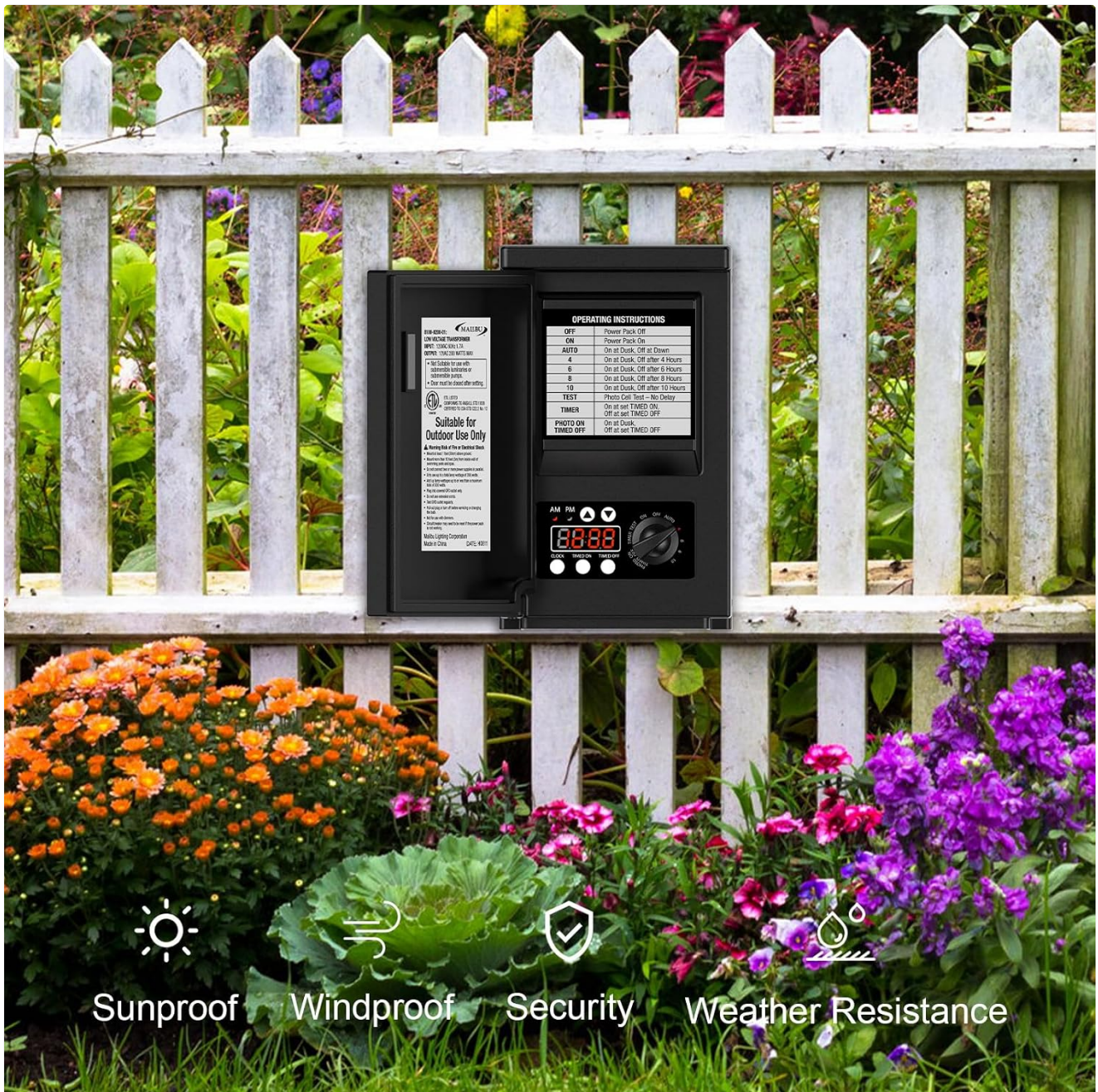


Image: The transformer mounted on a fence amidst a garden, illustrating its sunproof, windproof, and weather-resistant capabilities for secure outdoor installation.

SAFETY INFORMATION

Read and understand all instructions before installing or operating this transformer. Failure to follow these instructions may result in electric shock, fire, or other hazards.

Important Safety Warnings:

- **Suitable for Outdoor Use Only:** This transformer is designed exclusively for outdoor low voltage landscape lighting applications.
- **Risk of Fire or Electrical Shock:**
 - Mount the transformer at least 1 foot (30 cm) above ground level.
 - Do not mount the transformer within 10 feet (3 meters) of a swimming pool, spa, or fountain.
 - Do not connect two or more power supplies in parallel to the same circuit.
 - Ensure the total lamp wattage connected does not exceed 200 watts.

- Keep the connected lamp wattage within 80% of the maximum rating (e.g., for a 200W unit, use up to 160W).
- Connect only to a Ground Fault Circuit Interrupter (GFCI) protected outlet.
- Do not use extension cords with this unit.
- Always unplug the unit and turn off power before servicing, changing light bulbs, or performing any maintenance.
- Do not use this transformer with dimmers.
- A built-in circuit breaker is included and may need to be reset if the power pack overloads.



Image: The Malibu 200W Low Voltage Landscape Transformer, showing its internal safety warnings and operating instructions panel, emphasizing outdoor-only use and electrical safety precautions.

INSTALLATION

Follow these steps for proper installation of your Malibu Low Voltage Landscape Transformer:

1. **Select Location:** Choose a location near an electrical outlet that is dry, well-ventilated, and away from direct water sources or excessive heat. The transformer should be placed on a flat, stable surface or mounted securely.

2. **Mounting (if applicable):** Install mounting screws according to the spacing of the back holes on the transformer. Ensure the transformer is mounted at least 12 inches (30 cm) off the ground to prevent water damage.
3. **Prepare Low Voltage Cable:**
 - Split one end of your low voltage cable approximately 3 inches (7.6 cm). Be careful not to expose the copper wire during this step.
 - Strip about 5/8 inch (1.6 cm) of insulation from the end of each wire to expose the copper conductor.
4. **Connect Low Voltage Cable:** Insert the stripped end of one wire under a termination cleat on the transformer's output port. Tighten the cleat screw to secure the wire. Repeat this process for the second wire and cleat. Ensure a firm connection.
5. **Plug In:** Once all connections are secure and verified, plug the transformer into a GFCI-protected 120V AC electrical outlet.



Image: Detailed diagrams illustrating the installation steps, including how to split and strip the low voltage cable, and how to connect it to the transformer's terminals.

OPERATION

The Malibu transformer offers versatile operating modes to suit your lighting needs. Use the control panel to set the clock and select your desired mode.

Setting the Clock:

To set the current local time, use the "CLOCK" button and the ▲ (up) or ▼ (down) buttons to adjust the hours and minutes. Ensure AM/PM is correctly set.

Operating Modes:

- **OFF:** The power pack is turned off.
- **ON:** The power pack is continuously on.
- **AUTO:** The transformer automatically turns on at dusk (detected by the photo sensor) and turns off at dawn.
- **TIMER:** Allows you to set specific turn-on and turn-off times. Press and hold the "TIMED ON" or "TIMED OFF" button while using the ▲ or ▼ buttons to set the desired times.
- **PHOTO ON / TIMED OFF:** The transformer turns on at dusk and turns off at a specific set time. Press and hold the "TIMED OFF" button while using the ▲ or ▼ buttons to set the turn-off time.
- **4/6/8/10 Hours:** The transformer turns on at dusk and automatically turns off after 4, 6, 8, or 10 hours, depending on your selection.
- **TEST:** Used to test the photo sensor functionality.

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Setup Modes

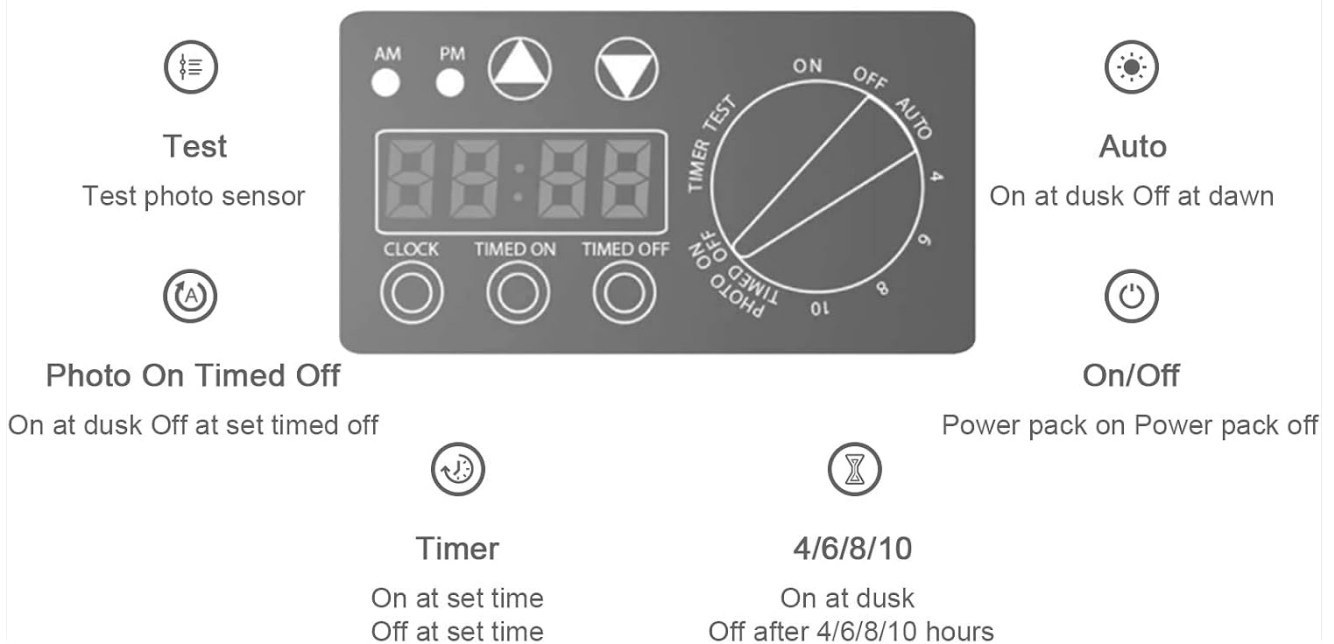


Image: A visual guide detailing the six operational modes of the transformer, including Test, Auto, Photo On/Timer Off, Timer, and the 4/6/8/10 hour options, along with their respective functions.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your transformer.

- **Cleaning:** Periodically wipe the exterior of the transformer with a soft, damp cloth to remove dirt and debris. Ensure the photo sensor is clean and unobstructed for accurate dusk/dawn detection.
- **Connection Check:** Annually inspect all low voltage cable connections to ensure they are secure and free from corrosion. Tighten any loose connections.
- **Damage Inspection:** Regularly check the transformer casing and power cord for any signs of physical damage, cracks, or fraying. If damage is found, discontinue use and contact customer support.
- **Ventilation:** Ensure the area around the transformer remains clear to allow for proper ventilation and prevent overheating.

TROUBLESHOOTING

If you encounter issues with your Malibu Low Voltage Landscape Transformer, refer to the following common troubleshooting steps:

- **No Power/Lights Not Turning On:**
 - Check if the transformer is securely plugged into a working GFCI outlet. Test the outlet with another device.
 - Verify that the GFCI outlet has not tripped. Reset it if necessary.
 - Check the circuit breaker on the transformer. If it has tripped due to an overload, reset it. Reduce the total wattage of connected lights if over capacity.
 - Ensure the transformer is set to an appropriate operating mode (e.g., ON, AUTO, or a timed mode that should be active).
- **Lights Not Turning On/Off at Correct Times:**
 - For AUTO or PHOTO ON modes, ensure the photo sensor is clean, unobstructed, and exposed to ambient light. Adjust its position if needed.
 - Verify the clock setting is accurate for your local time.
 - For TIMER or PHOTO ON/TIMED OFF modes, double-check the programmed on/off times.
- **Flickering Lights:**
 - Ensure all wire connections are tight and secure at both the transformer and the light fixtures.
 - Confirm that the total wattage of connected lights does not exceed the transformer's capacity (200W).
 - Check for any damaged sections of the low voltage cable.
- **Unit Malfunction / Unresponsive:**
 - If the unit fails to operate properly or becomes unresponsive, try performing a "reboot." Disconnect power to the transformer for a few minutes. If possible, leave the lights in the "ON" position to drain any residual power from the timer keeper battery. Then, plug the unit back in.

SPECIFICATIONS

Feature	Specification
Model Number	8655791

Feature	Specification
Input Voltage	120V AC
Output Voltage	12V AC
Wattage	200 Watts
Dimensions (L x W x H)	5 x 4.2 x 8.3 inches (12.7 x 10.7 x 21.1 cm)
Item Weight	11.44 pounds (5.19 kg)
Special Features	Overheating and overload protection, Photo Sensor, Digital Timer
Material	Plastic
Mounting Type	Wall Mount
UPC	657419363471

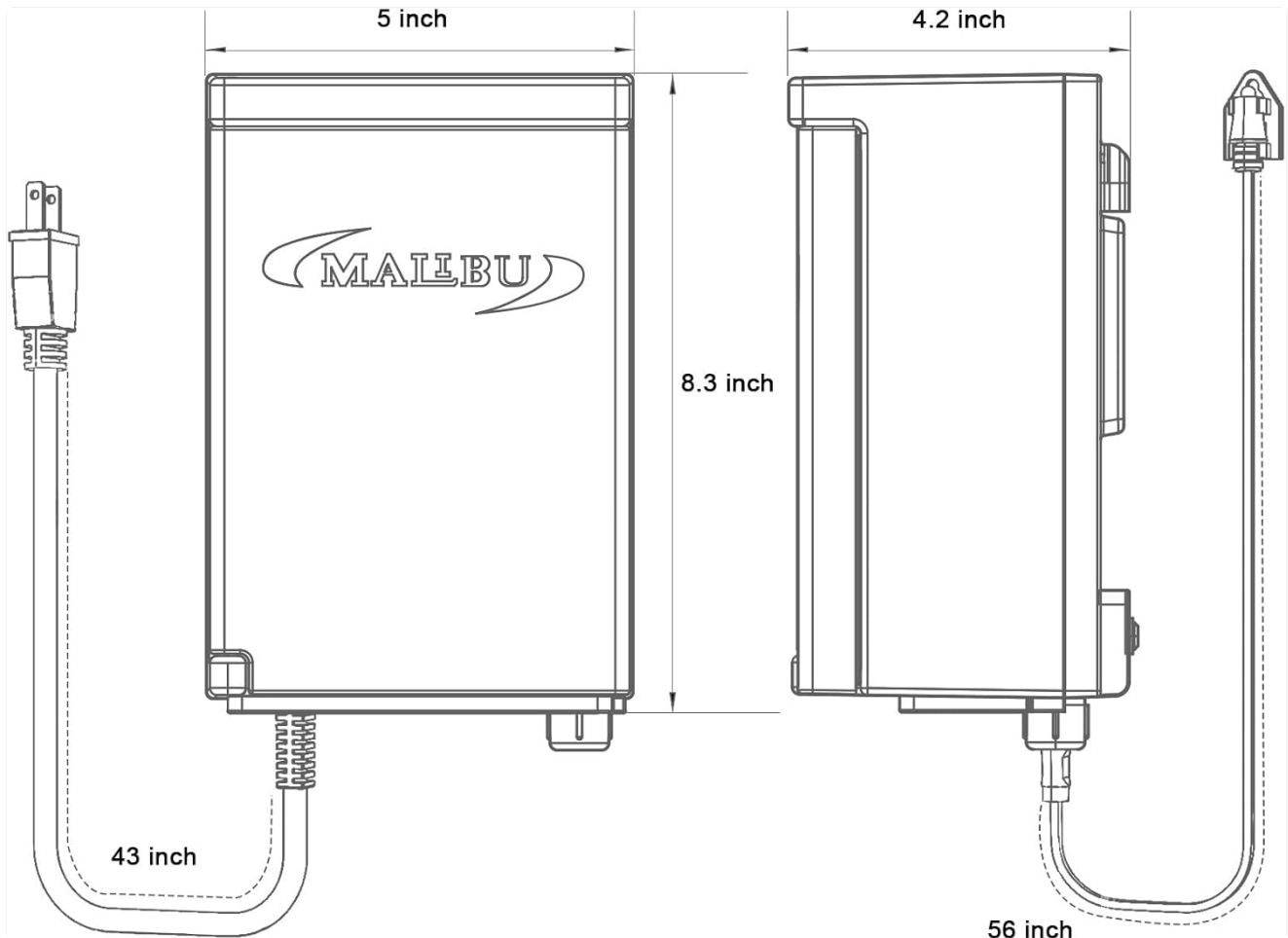


Image: A technical drawing providing precise dimensions of the transformer, including length, width, height, and power cord lengths, for accurate planning and installation.

WARRANTY AND SUPPORT

This Malibu Low Voltage Landscape Transformer comes with **one-year warranty** from the date of purchase. If any defects or problems occur within this period, you are eligible for repair or replacement service.

For warranty claims, technical assistance, or any other support inquiries, please contact the manufacturer or your point of purchase. Keep your proof of purchase for warranty validation.

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For more information, visit www.malibulighting.com