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DEWENWILS HOSL04B

DEWENWILS 200W Multi-Tap Low Voltage Landscape Transformer Instruction Manual

Model: HOSL04B

Introduction

This manual provides detailed instructions for the safe installation, operation, and maintenance of your DEWENWILS 200W Multi-Tap Low Voltage Landscape Transformer. This transformer is designed to convert standard 120V AC household voltage to a safer 12V, 13V, 14V, or 15V AC output, suitable for various low voltage landscape lighting applications such as pathway lights, in-ground lights, and accent lighting.

200 Watt Power Pack
120V AC to 12V/13V/14V/15V AC

- For low voltage LED & Incandescent landscape lights, pathway lights, in-ground lights etc
- Total power of lighting should not exceed 80% of the power pack's capacity



Image: Examples of landscape lighting applications.

Safety Information

WARNING: Risk of electric shock. Read all instructions before installation and use.

- Disconnect power at the circuit breaker before servicing.
- For installation in or on non-combustible materials only.
- Suitable for indoor and outdoor use.
- Only for use with low voltage landscape luminaires or fittings and suitable for use with submersible luminaires or submersible pumps.
- Do not exceed 1.67 Amps on primary circuit.
- The total power of connected landscape lighting should not exceed 80% of the transformer's capacity (e.g., for a 200W transformer, total load should not exceed 160W).
- Ensure all connections are secure and waterproof for outdoor installations.
- This transformer is equipped with an automatic circuit breaker for overload and short circuit protection.



Image: Interior view of the transformer showing safety labels and wiring terminals.

Product Features

- **Multi-tap Output:** Converts 120V AC to 12V, 13V, 14V, or 15V AC for flexible voltage selection.
- **Durable & Waterproof:** Constructed from heavy-duty stainless steel with a locking latch to protect against severe weather conditions.
- **Easy Installation:** Features built-in hanging holes and a 6ft SJTW 18AWG power cord for direct wall mounting.
- **Timer & Sensor Compatibility:** Includes ports for adding a photocell sensor (not included) and a timer (sold separately) for automated operation.
- **Automatic Circuit Breaker:** Provides overload and short circuit protection.



Image: Transformer exterior highlighting weatherproof and protection features.

Setup and Installation

1. Mounting the Transformer

Select a suitable location for mounting the transformer. It should be mounted vertically on a sturdy surface, such as an indoor/outdoor wall, using the built-in hanging holes. Ensure the location allows for proper ventilation and access for wiring.



Image: Transformer dimensions and power cord length.

2. Preparing for Wiring

Before connecting any wires, ensure the transformer is unplugged from the power source. Remove the knockout or the black lid at the bottom of the transformer casing to thread your low voltage wires out. The locking latch ensures the casing remains tightly sealed against water entry.



Image: Details on removing knockouts and the locking latch.

3. Connecting Low Voltage Wires

Connect your landscape lighting wires to the multi-tap voltage terminals inside the transformer. The transformer offers 12V, 13V, 14V, and 15V AC output options. Choose the appropriate voltage tap based on your lighting requirements and cable run length to compensate for voltage drop. Connect the common wires to COM1 or COM2 terminals.

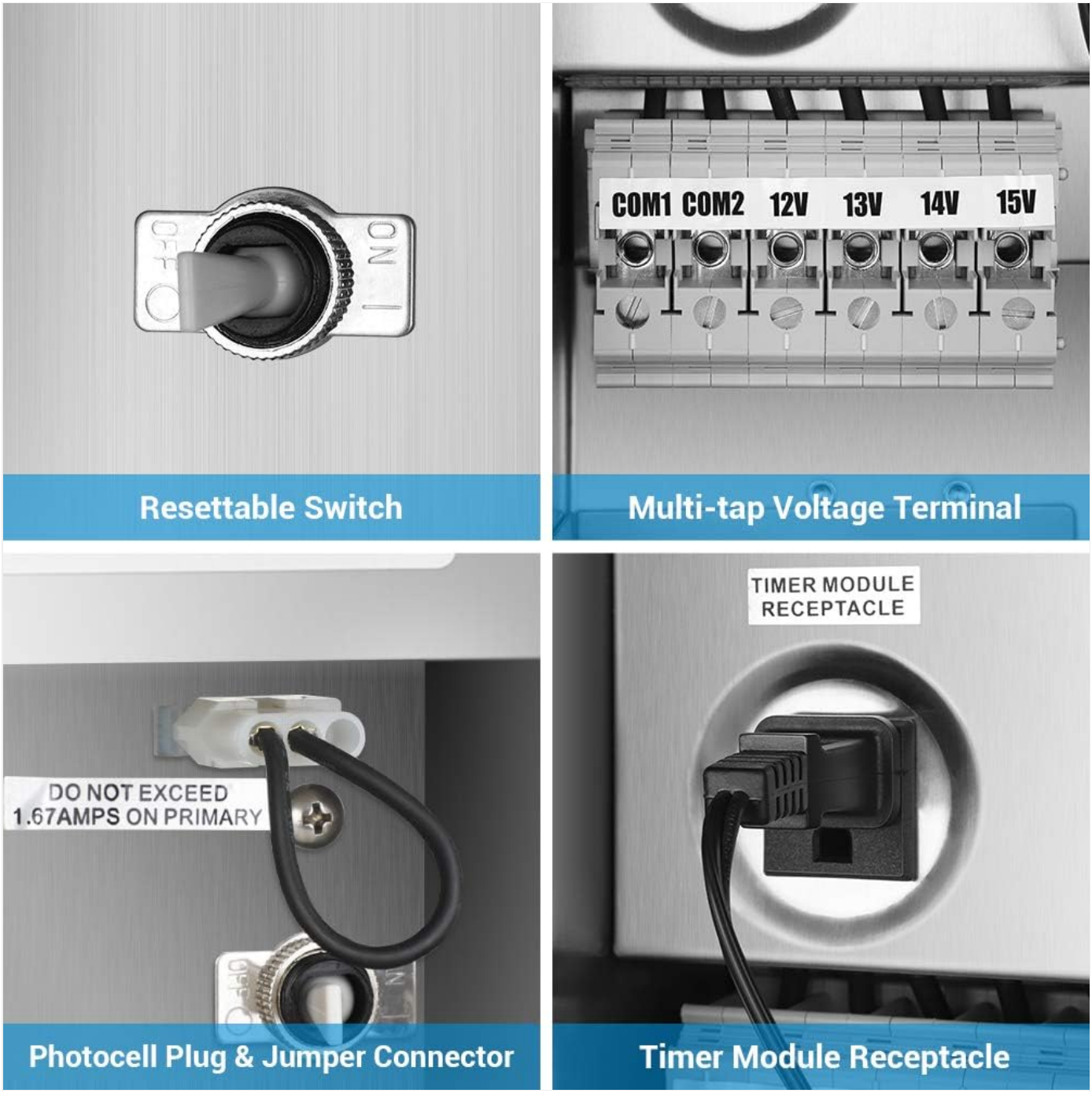


Image: Detailed view of internal connections including multi-tap voltage terminals.

4. Installing Optional Accessories (Photocell/Timer)

The transformer is designed to work with external photocell sensors and timers (both sold separately).

- To add a photocell sensor, remove the knockout and insert the sensor to enable automatic dusk-to-dawn operation.
- To add a digital or mechanical timer, unplug the existing jumper connector from the TIMER MODULE RECEPTACLE and connect your timer.



Image: Instructions for connecting optional photocell and timer accessories.

Operation

1. Powering On

Once all connections are secure and the casing is closed, plug the transformer's power cord into a standard 120V AC outlet. The resettable switch on the unit controls the power to the low voltage output.

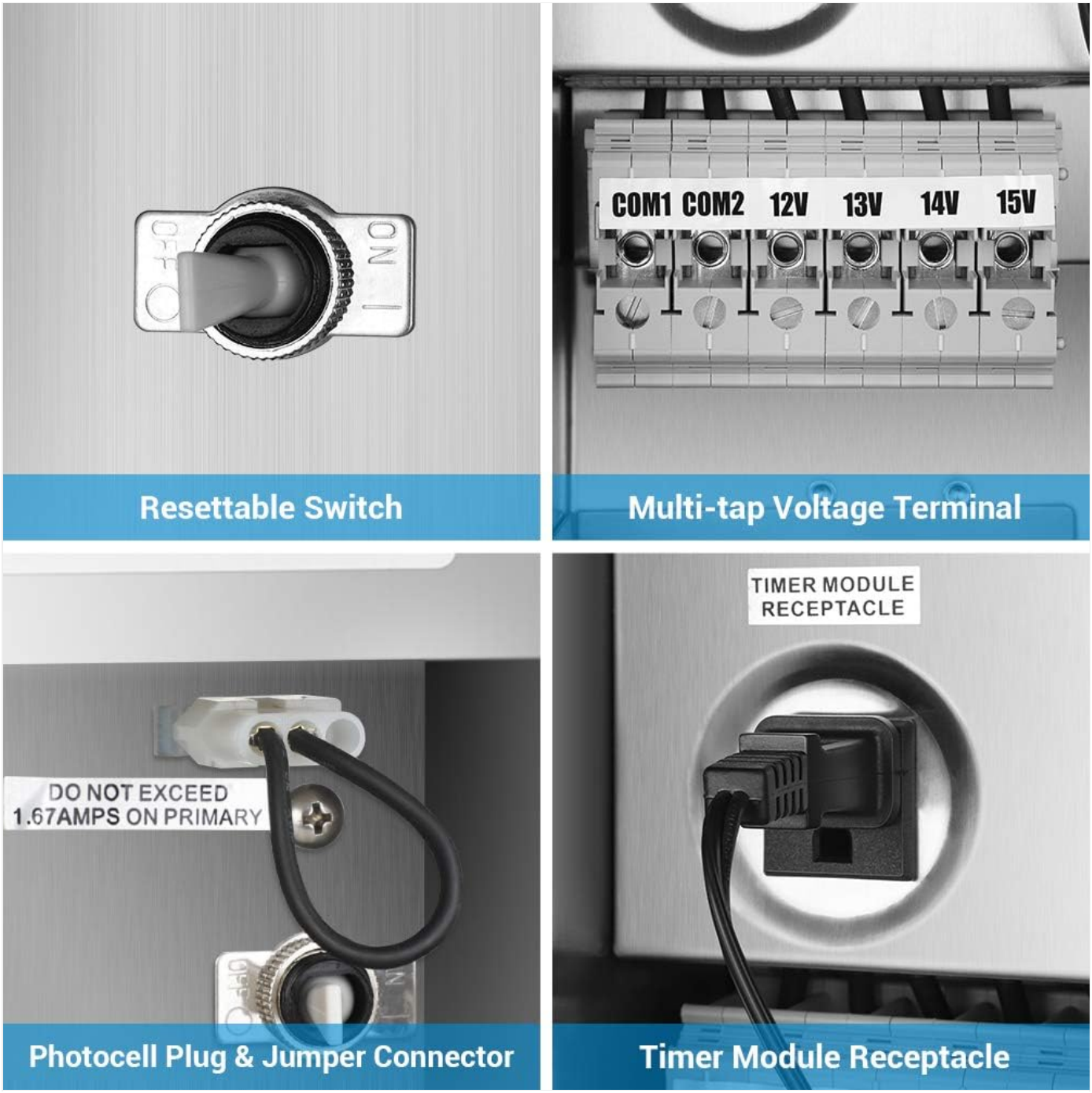


Image: Resettable switch detail.

2. Voltage Selection

The multi-tap terminals allow you to select the output voltage (12V, 13V, 14V, or 15V). Higher voltages are useful for longer cable runs to counteract voltage drop and ensure consistent brightness across all lights. Ensure your lighting fixtures are compatible with the selected voltage.

3. Using with Timer/Sensor

If an optional photocell sensor or timer is installed, the transformer will operate according to their settings. A photocell will turn lights on at dusk and off at dawn. A timer will operate lights based on programmed schedules.

Maintenance

- Periodically inspect the transformer casing for any signs of damage or corrosion.
- Ensure the locking latch is securely closed to maintain waterproof integrity.
- Check all wire connections for tightness and ensure no bare wires are exposed.

- Clean the exterior of the transformer with a damp cloth as needed. Do not use abrasive cleaners.

Troubleshooting

Problem	Possible Cause	Solution
Lights not turning on.	No power to transformer; tripped circuit breaker; loose connections; faulty bulb/fixture.	Check power outlet; reset transformer's resettable switch; inspect and tighten all wiring; test individual lights.
Lights are dim or flickering.	Voltage drop due to long wire runs or insufficient wire gauge; overloaded circuit.	Use a higher voltage tap (13V, 14V, or 15V); ensure total wattage does not exceed 80% of transformer capacity; use thicker gauge wire for longer runs.
Transformer repeatedly trips circuit breaker.	Overloaded circuit; short circuit in wiring or fixture.	Reduce total wattage of connected lights; inspect wiring for damage or shorts; test fixtures individually to identify faulty ones.
Photocell/Timer not working.	Incorrect installation; faulty sensor/timer; sensor obstructed.	Verify correct installation of photocell/timer; ensure sensor is not blocked by debris or shadows; replace faulty accessory.

Specifications

Brand	DEWENWILS
Model Number	HOSL04B
Wattage	200 Watts
Input Voltage	120V AC
Output Voltage	12V/13V/14V/15V AC
Material	Stainless Steel
Product Dimensions	11.4 x 5.7 x 4.9 inches
Item Weight	14.94 pounds
Power Source	AC
Special Features	Waterproof, Overload/Short Circuit Protection
Mounting Type	Wall Mount
Cord Length	6 feet (SJTW 18AWG/3C)

Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official DEWENWILS website. Keep your purchase receipt for warranty claims.

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