Sollos Lighting SOL TR15SS-INT-300

Sollos 300W Outdoor Landscape Lighting Transformer User Manual

Model: SOL TR15SS-INT-300

1. Product Overview

The Sollos 300W Outdoor Landscape Lighting Transformer is designed for both Halogen and LED lighting installations. It features a durable stainless steel housing, an integrated photocell for automatic dusk-to-dawn operation, and a built-in timer for customizable lighting schedules. This "Multitap" model provides versatile voltage outputs (12V, 13V, 14V, and 15V) to compensate for voltage drop over longer cable runs, ensuring consistent brightness across your landscape lighting system.



Figure 1: Front view of the Sollos 300W Outdoor Landscape Lighting Transformer, showcasing its stainless steel housing and control panel with a digital display.

2. Safety Information

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **WARNING:** Suitable for outdoor use only.
- Always disconnect power at the circuit breaker before installing or servicing the transformer.

- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not exceed the maximum wattage capacity of 300W. It is recommended to use up to 80% of the rated wattage for optimal performance and longevity.
- Install the transformer in a location that is protected from direct water spray and excessive heat.
- Consult a qualified electrician if you are unsure about any part of the installation process.

3. Setup and Installation

Follow these steps for proper installation of your transformer:

1. **Choose a Location:** Select a suitable outdoor location near a GFCI (Ground Fault Circuit Interrupter) protected outlet. The transformer should be mounted vertically on a sturdy surface, such as a wall or post, using appropriate mounting hardware (not included).
2. **Mount the Transformer:** Securely mount the transformer using the pre-drilled holes on the back of the unit. Ensure it is level and stable.
3. **Connect Low Voltage Cables:** Route your low voltage landscape lighting cables to the transformer. Strip approximately 1/2 inch of insulation from the ends of the cables.
4. **Select Voltage Tap:** This transformer features multiple voltage taps (12V, 13V, 14V, 15V). Choose the appropriate tap based on the total wattage of your lights and the length of your cable runs. Higher voltage taps compensate for voltage drop over longer distances. Connect the common wire to the "COMMON" terminal and the positive wire to your chosen voltage tap terminal.
5. **Secure Connections:** Tighten the terminal screws firmly to ensure good electrical contact.
6. **Plug In:** Once all connections are secure and verified, plug the transformer's power cord into a GFCI protected outdoor outlet.

Note: *The transformer is heavy. Exercise caution during mounting.*

4. Operating Instructions

The Sollos transformer includes an integrated photocell and timer for automated operation.

4.1. Photocell Operation (Dusk-to-Dawn)

The built-in photocell automatically turns the lights on at dusk and off at dawn. Ensure the photocell sensor (typically a small clear dome on the unit) is not obstructed by debris or direct light sources (e.g., porch lights) that could interfere with its operation.

4.2. Timer Settings

The integrated timer allows you to set specific operating durations after dusk. Refer to the digital display and control buttons on the unit for programming. Common settings include:

- **ON:** Lights remain on continuously.
- **OFF:** Lights remain off.
- **AUTO (Dusk-to-Dawn):** Lights turn on at dusk and off at dawn (photocell controlled).
- **HOURS (e.g., 4H, 6H, 8H):** Lights turn on at dusk and remain on for the set number of hours.

Consult the specific button labels and display indicators on your unit for precise programming steps.

5. Maintenance

Minimal maintenance is required for the Sollos transformer:

- **Cleaning:** Periodically wipe the exterior of the stainless steel housing with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners.
- **Photocell Check:** Ensure the photocell sensor is clean and unobstructed for proper dusk-to-dawn operation.
- **Cable Inspection:** Annually inspect low voltage cables for any damage, cuts, or exposed wiring. Repair or replace damaged sections immediately.
- **Terminal Connections:** Occasionally check terminal connections to ensure they remain tight and free of corrosion.

6. Troubleshooting

Problem	Possible Cause	Solution
Lights not turning on.	No power to transformer. Photocell obstructed or faulty. Timer set to OFF. Overload. Loose connections.	Check GFCI outlet and circuit breaker. Clear photocell or reposition transformer. Adjust timer setting. Reduce total wattage of lights. Check and tighten all wiring connections.
Lights flickering or dim.	Voltage drop. Loose connections. Faulty bulb/fixture.	Use a higher voltage tap (13V, 14V, 15V). Check and tighten all wiring connections. Inspect and replace faulty bulbs/fixtures.
Photocell not working correctly.	Sensor obstructed. Ambient light interference.	Clean sensor. Relocate transformer away from other light sources.

7. Specifications

Feature	Detail
Model Number	SOL TR15SS-INT-300
Brand	Sollos Lighting
Power Source	Corded Electric
Maximum Wattage	300W
Output Voltage Taps	12V, 13V, 14V, 15V
Housing Material	Stainless Steel
Integrated Features	Photocell, Timer
Compatibility	LED and Halogen lighting
Mounting Type	Surface Mount

8. Warranty and Support

This Sollos transformer comes with a **2-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use.
For technical support, warranty claims, or further assistance, please contact Sollos Lighting customer service. Keep your proof of purchase for warranty validation.
Contact information for Sollos Lighting can typically be found on their official website or on the product packaging.

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