Kichler 15CS600SS

Kichler Contractor Series 600W Landscape Lighting Transformer User Manual

Model: 15CS600SS

1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your Kichler Contractor Series 600W Landscape Lighting Transformer. Please read these instructions thoroughly before beginning installation or use. Retain this manual for future reference.

2. Safety Information

WARNING: Risk of electric shock. Install the transformer at least 1 foot (0.3 meters) from a pool, spa, or fountain. Do not immerse the transformer in water. Connect to a ground fault circuit interrupter (GFCI) protected receptacle only. Ensure all wiring connections are secure and properly insulated.
CAUTION: For outdoor use only. Do not exceed the maximum wattage rating of 600W. Use only with low voltage landscape lighting fixtures. Disconnect power at the circuit breaker before servicing.

3. Product Overview



The Kichler Contractor Series 600W Transformer, model 15CS600SS, shown mounted on an exterior wall, ready for landscape lighting connections.

The Kichler Contractor Series 600W Transformer is designed to reduce standard 120V line voltage to a safe 12V low voltage for landscape lighting systems. It features a durable stainless steel enclosure suitable for outdoor environments.

Key Components:

- **Stainless Steel Enclosure:** Provides protection against outdoor elements.
- **Low Voltage Wiring Terminals:** Multiple common (COM) and voltage taps (12V, 13V, 14V, 15V) for flexible wiring configurations.
- **Photocell Plug:** For connecting a photocell sensor to automate lighting operation.
- **Timer Module Receptacle:** For connecting an optional timer module.
- **120V Power Cord:** For connection to a GFCI protected outdoor outlet.



Inside the transformer, detailing the low voltage wiring terminals (COM, 12V, 13V, 14V, 15V taps), the photocell plug, and the timer module receptacle for optional accessories.

4. Specifications

Feature	Detail
Model Number	15CS600SS
Input Voltage	120 Volts AC
Output Voltage	12V, 13V, 14V, 15V AC
Wattage	600 watts (Maximum)
Material	Stainless Steel
Product Dimensions (L x W x H)	6.5 x 6 x 14 inches
Item Weight	10 pounds

Feature	Detail
Mounting Type	Wall Mount
Certifications	ETL Listed
Included Components	Mounting Hardware



Front view of the Kichler 600W Transformer, illustrating its dimensions: 14 inches height, 6.5 inches length, and 6 inches width.

5. Setup and Installation

5.1 Mounting the Transformer

1. Choose a suitable outdoor location for mounting, ensuring it is at least 1 foot (0.3 meters) from any water source (pool, spa, fountain) and accessible for wiring.
2. Use the provided mounting hardware to securely attach the transformer to a sturdy vertical surface, such as a wall or post. Ensure the transformer is level.

5.2 Wiring the Low Voltage Landscape Lighting

1. **Before wiring, ensure the transformer is unplugged from the 120V power source.**
2. Open the transformer's front cover to access the wiring terminals.
3. Connect the common (COM) wire from your landscape lighting cable to one of the 'COM' terminals on the transformer.
4. Connect the positive wire from your landscape lighting cable to the desired voltage tap (12V, 13V, 14V, or 15V). The appropriate voltage tap depends on the total wattage of your fixtures and the length of your cable run to compensate for voltage drop. Consult a voltage drop chart if necessary.
5. Ensure all connections are tight and secure.
6. Close the transformer cover securely.

5.3 Connecting to Power

1. Plug the transformer's 120V power cord into a GFCI (Ground Fault Circuit Interrupter) protected outdoor electrical outlet.
2. Verify that the GFCI outlet is functioning correctly.

6. Operating Instructions

6.1 Manual Operation

Once connected to power, the transformer will supply low voltage to your landscape lights. If no photocell or timer is installed, the lights will remain on continuously when the transformer is plugged in.

6.2 Using a Photocell (Optional)

If you have an optional photocell, plug it into the designated 'PHOTOCELL PLUG' receptacle inside the transformer. The photocell will automatically turn your lights on at dusk and off at dawn.

6.3 Using a Timer Module (Optional)

If you have an optional timer module, install it into the 'TIMER MODULE RECEPTACLE'. Follow the timer module's specific instructions for programming on/off times. The timer will override the photocell if both are installed and active.

7. Maintenance

- **Cleaning:** Periodically wipe the exterior of the transformer with a damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents.
- **Inspections:** Annually inspect the power cord for damage and all low voltage wiring connections for corrosion or looseness. Address any issues promptly.
- **Ventilation:** Ensure the transformer's ventilation openings are clear of obstructions to prevent overheating.
- **Winterization:** In areas with harsh winters, consider unplugging the transformer and storing it indoors, or ensuring it is protected from heavy snow and ice accumulation.

8. Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on.	No power to transformer.	Check if the transformer is plugged into a working GFCI outlet. Reset the GFCI if tripped. Check circuit breaker.
	Loose or incorrect wiring.	Disconnect power, open cover, and check all low voltage connections. Ensure wires are securely fastened to the correct terminals.
	Faulty photocell or timer.	Bypass the photocell/timer by unplugging it. If lights turn on, replace the faulty accessory.

Problem	Possible Cause	Solution
Lights are dim or flicker.	Voltage drop due to long wire runs or too many fixtures.	Use a higher voltage tap (e.g., 13V, 14V, 15V) if available. Reduce the number of fixtures or use heavier gauge wire.
	Overloaded transformer.	Ensure total wattage of connected fixtures does not exceed 600W. Remove some fixtures if overloaded.
GFCI trips repeatedly.	Short circuit in low voltage wiring or fixture.	Disconnect power. Inspect wiring and fixtures for damage or exposed wires. Repair or replace as needed.
	Water in transformer or connections.	Ensure transformer cover is sealed. Check for water intrusion in connections. Allow to dry completely before reconnecting power.

9. Warranty and Support

9.1 Warranty Information

This Kichler Contractor Series 600W Transformer is covered by a **10-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full warranty details, please refer to the official Kichler warranty documentation or contact customer support.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please visit the official Kichler website or contact Kichler customer service. You can find contact information on the Kichler website or on the product packaging.
Kichler Website: www.kichler.com

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Example: How do I reset this device or fix this error?

Details

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