Kichler 15PR75SS

Kichler 15PR75SS Pro Series 75W Transformer Instruction Manual

Model: 15PR75SS

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Kichler 15PR75SS Pro Series 75W Transformer. Please read all instructions carefully before installation and retain this manual for future reference.

2. Safety Information

WARNING: Risk of electric shock. Installation must be performed by a qualified electrician in accordance with all local electrical codes and ordinances.

- Disconnect power at the circuit breaker before installing or servicing.
- Do not use with swimming pool or spa fixtures.
- Ensure proper grounding. The transformer includes a built-in ground connection for submersible fixtures that require grounding.
- If used indoors, the cable must be routed through conduit.
- This product is UL rated for wet locations.
- Do not exceed the maximum wattage of 75W.

3. Product Overview

The Kichler 15PR75SS Pro Series 75W Transformer is designed for low-voltage outdoor lighting applications. It features a durable stainless steel construction and includes an in-line secondary magnetic breaker for short circuit protection.
Key features include:

- 75 Watt capacity.
- Stainless Steel finish and construction.
- Built-in ground connection.
- In-line secondary magnetic breaker.
- Suitable for wet locations.



Image: Kichler 15PR75SS Pro Series 75W Transformer, showing its stainless steel casing and internal components.

4. Package Contents

Verify that all components are present before beginning installation:

- Kichler 15PR75SS Pro Series 75W Transformer (1 unit)
- Instruction Manual (this document)

5. Setup and Installation

Follow these steps for proper installation:

1. **Planning the Layout:** Determine the size of your lighting design, the total wattage required for all lamps, and the length of wire runs. Voltage drop will decrease lamp brightness with distance from the transformer. Keep runs as short as possible to minimize voltage drop and maximize light

output.

2. **Calculating Voltage Drop:** Use the following equation: A (length of wire) x B (total number of watts for all lamps on that wire run) = C (cable constant). The cable constant varies by wire gauge:
    - 10 gauge: 11920
    - 12 gauge: 7500 (max 250 watts or 200 feet)
    - 14 gauge: 3500 (max 200 watts or 150 feet)
    - 16 gauge: 2200 (max 150 watts or 100 feet)
    - 18 gauge: 1380
3. **Mounting:** The transformer is designed for ceiling mount. Securely fasten the transformer to a stable surface in a suitable wet location, ensuring proper ventilation.
4. **Wiring:**
    - Connect the primary (input) wiring to the appropriate power source, ensuring power is OFF at the circuit breaker.
    - Connect the secondary (output) wiring to your low-voltage lighting fixtures.
    - Ensure all connections are secure and waterproof, especially in wet locations.
    - Utilize the built-in ground connection for any submersible fixtures requiring grounding.
    - If installing indoors, lead the cable through conduit as required by code.
5. **Power On:** Once all connections are secure and verified, restore power at the circuit breaker.



Image: Kichler 15PR75SS Transformer with its cover open, revealing the internal wiring and breaker for installation reference.

6. Operating Instructions

The Kichler 15PR75SS transformer includes a Hi-Low-Off switch for easy operation.

- **OFF:** Turns off power to the connected lighting system.
- **LOW:** Provides a lower voltage output, which can be used for specific lighting effects or to extend lamp life.
- **HI:** Provides full voltage output for maximum brightness.

Select the desired setting based on your lighting needs.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your transformer:

- **Cleaning:** Periodically clean the exterior of the transformer with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect wiring for any signs of damage, fraying, or loose connections. Address any issues promptly.
- **Breaker Check:** The in-line secondary magnetic breaker protects against short circuits. If the lights go out unexpectedly, check the breaker. If tripped, reset it after identifying and resolving the cause of the short circuit.
- **Environmental Protection:** Ensure the transformer remains protected from direct impact and excessive debris accumulation.

8. Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on.	No power to transformer; tripped breaker; loose wiring; faulty lamps.	Check circuit breaker; ensure transformer is plugged in; inspect all wiring connections; replace faulty lamps.
Lamps are dim.	Voltage drop due to long wire runs or incorrect wire gauge; transformer set to LOW.	Verify wire gauge and length are appropriate for total wattage (refer to Section 5); switch transformer to HI setting.
Breaker trips repeatedly.	Short circuit in wiring or fixtures; overloaded transformer (exceeding 75W).	Inspect wiring and fixtures for shorts; reduce total wattage of connected lamps to below 75W.

9. Specifications

Feature	Detail
Brand	Kichler
Model Number	15PR75SS
Wattage	75W
Voltage	12 Volts
Material	Steel (Stainless Steel finish)
Dimensions (L x W x H)	16.25 x 5.25 x 5.75 inches
Item Weight	6 pounds
Mounting Type	Ceiling Mount
UL Rating	Suitable for wet locations

Feature	Detail
UPC	783927145305

10. Warranty Information

Kichler warrants its products to be free from defects in material and workmanship. Specific warranty periods apply:

- **Stainless Steel Transformers:** Warranted for normal use for as long as the original purchaser owns the Product.
- **General Product Warranty:** 1 year following the date of shipment from Seller (with exceptions).
- **Landscape Products:** 5 years (except as noted).
- **Black and/or Textured Architectural Bronze finish transformers:** 10 years.

Normal use means residential non-commercial use for no more than 6 hours per day in an environment that does not exceed 25 degrees Celsius (approximately 77 degrees Fahrenheit).
If warranted Products are found defective, Seller will, at its option and cost, replace, repair, or refund the product less an amount attributable to prior use. This warranty is not transferable and does not cover labor or other costs for removal or installation.
Note: There are no warranties on light bulbs or the finish on outdoor polished brass Products.

11. Support

For further assistance, technical support, or warranty claims, please contact Kichler customer service. Refer to the official Kichler website or product packaging for current contact information.
You can also visit the Kichler Store on Amazon for additional product information and resources.

12. Kichler Brand Overview

Kichler is dedicated to providing quality lighting solutions. Below is a video offering an overview of the Kichler brand.

Your browser does not support the video tag.

Video: Kichler Brand Story. This video provides an overview of Kichler Lighting's commitment to quality and design.