

TOOLIOM L14-30P

TOOLIOM 30 Amp NEMA L14-30P Generator Inlet Box Instruction Manual

Model: L14-30P

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your TOOLIOM 30 Amp NEMA L14-30P Generator Inlet Box. Please read this manual thoroughly before installation and retain it for future reference. Proper installation and adherence to safety guidelines are crucial for optimal performance and user safety.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock or Fire. Improper installation or use can result in serious injury or death.

- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Always disconnect power at the main service panel before installing or servicing the inlet box.
- Ensure the generator is properly grounded.
- Never connect a generator directly to a home's electrical system without a transfer switch. This inlet box is designed to be used with a compatible transfer switch or interlock kit.
- Do not exceed the rated electrical capacity of the inlet box (30 Amps, 125/250V, 7500W).
- Keep the inlet box cover closed when not in use to protect against weather and debris.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- TOOLIOM 30 Amp NEMA L14-30P Generator Inlet Box
- Mounting hardware (screws, anchors)
- Instruction Manual

4. SPECIFICATIONS

Feature	Specification
Model	L14-30P
Input Current	30 Amps
Rated Voltage	125/250V
Maximum Wattage	7500 Watts
Receptacle Type	NEMA L14-30P
Wire Size Recommendation	#10 AWG
Material	Metal
Dimensions	6.6 x 4.7 x 4.7 inches (approximate)
Certifications	ETL Listed

The inlet box features a robust, weatherproof, and rust-resistant design with an anti-corrosive coating and a flip cover to protect against dust and water.

SIZE & PARAMETERS



30 AMP GENERATOR POWER INLET BOX

Input Current: 30A

Rated Voltage: 125/250V

Maximum Wattage: 7500 Watts

Receptacle Type: L14-30P

Wire Size: #10 AWG



Image: Product dimensions and key specifications for the 30 Amp Generator Power Inlet Box.

5. INSTALLATION

5.1 Mounting Location

Select a suitable outdoor location for the inlet box. It should be:

- Close to where the generator will be operated.
- Accessible for connecting the generator cord.
- Protected from direct impact or excessive moisture, though the unit is weatherproof.
- In compliance with local electrical codes regarding distance from windows, doors, and other structures.

5.2 Mounting the Box

1. Mark the mounting holes on the desired surface using the inlet box as a template.
2. Drill pilot holes if necessary and secure the inlet box using the provided mounting hardware. Ensure it is firmly

attached to the wall or mounting surface.

5.3 Wiring

IMPORTANT: Ensure all power is OFF at the main service panel before proceeding with wiring.

- The TOOLIOM 30 Amp Generator Inlet Box features large internal space for wiring and removable knockouts on four sides (Left, Right, Bottom, Back) for flexible conduit entry.
- Remove the appropriate knockout(s) for your conduit or cable entry.
- Connect the appropriate gauge wire (#10 AWG recommended for 30 Amp) from your transfer switch or interlock kit to the terminals inside the inlet box.
- Follow the wiring diagram provided below and ensure all connections are tight and secure.

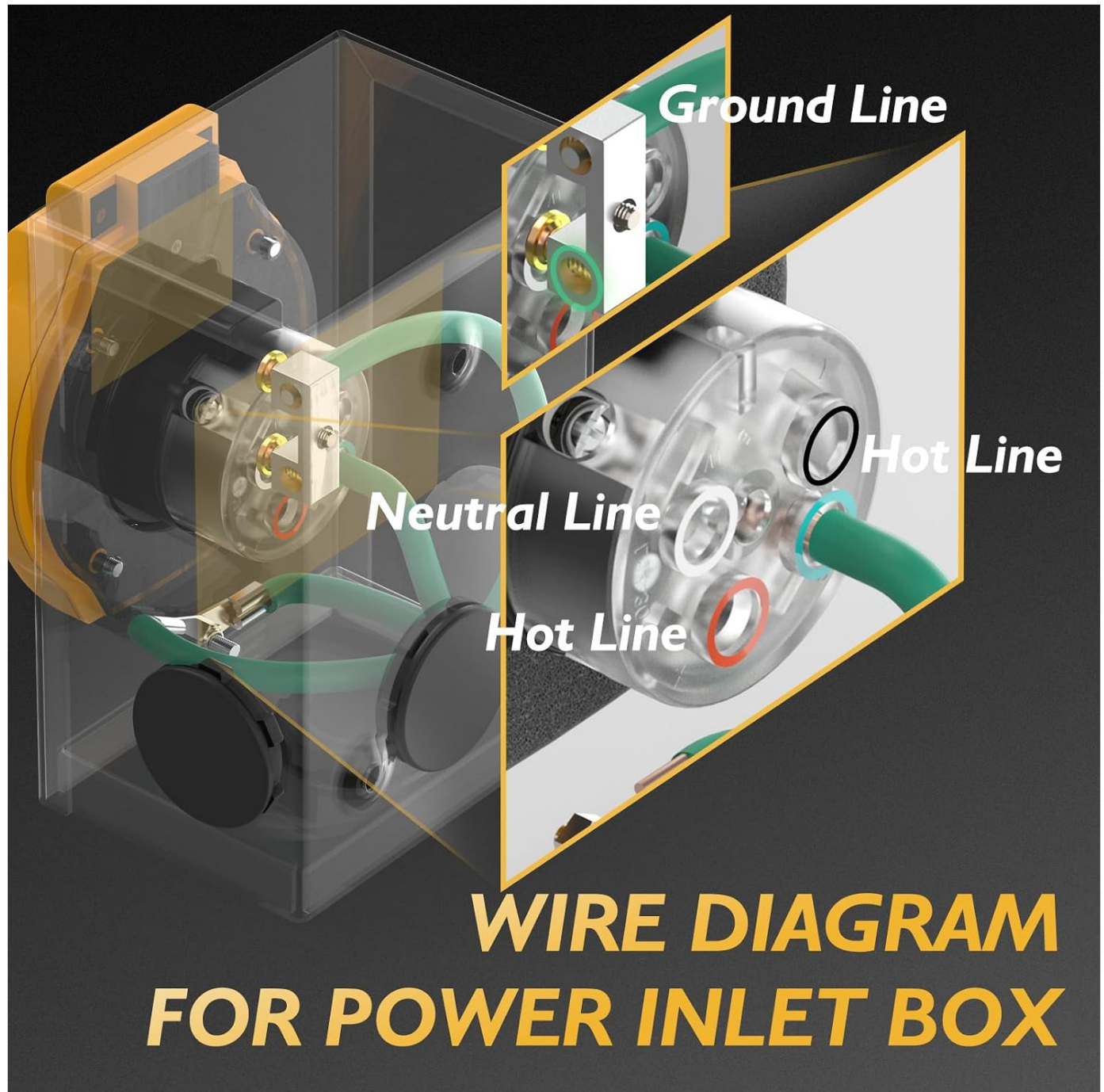


Image: Internal wiring diagram for the L14-30P inlet box, illustrating connections for hot lines, neutral, and ground.



Image: A transparent view of the inlet box interior, highlighting the wiring space and terminal connections.



Image: The inlet box displaying its multiple pre-drilled holes with removable knockouts for versatile cable entry.

- After wiring, replace the front cover of the power inlet box. The front cover is removable for easy access during installation.

6. OPERATION

1. Ensure your generator is off and disconnected from any other loads.
2. Open the flip cover of the TOOLIOM Generator Inlet Box.
3. Connect a compatible NEMA L14-30P generator cord to the inlet box. Ensure the connection is firm.
4. Connect the other end of the generator cord to your generator.
5. Start your generator according to its manufacturer's instructions.
6. Observe the LED Power Indicator on the inlet box. A green light indicates that power is successfully connected and the circuit is intact.
7. Proceed to activate your transfer switch or interlock kit to safely transfer generator power to your home's electrical system.
8. When finished, reverse the process: turn off the generator, disconnect the cord from the generator, then disconnect from the inlet box, and close the flip cover.



Image: The generator inlet box with its green LED power indicator illuminated, confirming power connection.



Image: A detailed view of the LED power indicator, which lights up green when power is connected.

7. MAINTENANCE

The TOOLIOM Generator Inlet Box is designed for durability and minimal maintenance. Follow these guidelines:

- Regularly inspect the inlet box for any signs of physical damage, corrosion, or loose connections.
- Keep the flip cover closed when not in use to prevent dust, debris, and moisture from entering.
- Clean the exterior with a damp cloth as needed. Do not use harsh chemicals or abrasive cleaners.
- Ensure the receptacle is free of obstructions before connecting a generator cord.

8. TROUBLESHOOTING

8.1 No Power Indication (LED Off)

- **Check Generator:** Ensure the generator is running and producing power. Verify its circuit breakers are not tripped.
- **Check Generator Cord:** Inspect the generator cord for damage. Ensure it is fully and securely plugged into both the generator and the inlet box.
- **Check Internal Wiring:** If comfortable and qualified, with all power disconnected, inspect the internal wiring of the inlet box and the connection to the transfer switch for loose or incorrect connections.

8.2 Difficulty Connecting Generator Cord

- **Verify Plug Type:** Ensure your generator cord has a NEMA L14-30R plug, which is compatible with the L14-30P inlet box.
- **Inspect Receptacle:** Check the inlet box receptacle for any debris or damage that might obstruct the plug.

9. WARRANTY AND SUPPORT

TOOLIOM products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, technical support, or assistance with installation and troubleshooting, please refer to the contact information provided with your purchase or visit the official TOOLIOM website.

Please retain your proof of purchase for warranty claims.

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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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question