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Leviton 830-T

Leviton 830-T 30 Amp, 125 Volt, Travel Trailer Vinyl Grounding Angle Plug User Manual

Model: 830-T

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Leviton 830-T 30 Amp, 125 Volt, Travel Trailer Vinyl Grounding Angle Plug. This commercial-grade, straight blade, angle, grounding plug is designed for reliable electrical connections in travel trailer applications. Please read all instructions carefully before installation and use.



Image: The Leviton 830-T Travel Trailer Vinyl Grounding Angle Plug, showing its compact, black vinyl construction and angled design.

IMPORTANT SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause

cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

- Always disconnect power before installing or servicing electrical components.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not use this product if it appears damaged.
- This plug is designed for 30 Amp, 125 Volt applications. Do not exceed these ratings.
- Keep away from water and moisture unless specifically rated for wet conditions.

SETUP AND INSTALLATION

The Leviton 830-T plug requires assembly to connect to your electrical cable. Follow these steps carefully:

1. **Prepare the Cable:** Strip the outer jacket of your electrical cable to expose the insulated wires (typically hot, neutral, and ground). Strip approximately 3/4 inch of insulation from each individual wire.
2. **Disassemble the Plug:** Carefully open the plug housing. Note that the internal blades may be shipped loose. Identify the terminal screws for each connection.
3. **Connect Wires:** Insert the stripped ends of the wires into the appropriate terminal openings. The deep-slotted, backed-out terminal screws are designed to securely clamp over stripped leads.
 - Connect the **Hot** wire (usually black) to the brass-colored terminal.
 - Connect the **Neutral** wire (usually white) to the silver-colored terminal.
 - Connect the **Ground** wire (usually green or bare copper) to the green-colored terminal.
4. **Secure Connections:** Tighten the terminal screws firmly to ensure maximum conductivity and prevent loose connections. Verify that no stray wire strands are touching other terminals.
5. **Reassemble Housing:** Carefully position the internal components and blades, then close the plug housing. Ensure all parts fit correctly and the housing is securely fastened.



Image: Rear view of the Leviton 830-T plug, illustrating the terminal screws for hot, neutral, and ground wire connections. Note the "MEXICO 30A - 125V" marking.

Note: Some users have reported that the blades may not be permanently installed and the wire clamps can be challenging

for stranded wire. Take extra care during assembly to ensure proper and secure connections.

OPERATING INSTRUCTIONS

Once assembled, the Leviton 830-T plug is ready for use:

1. Ensure the power source (e.g., RV park pedestal) is turned OFF before plugging in or unplugging.
2. Insert the plug firmly into a compatible 30 Amp, 125 Volt NEMA TT-30R receptacle.
3. Once fully inserted, you may turn ON the power at the source.
4. To disconnect, first turn OFF the power at the source, then firmly grasp the plug body and pull it straight out from the receptacle. Do not pull by the cord.

MAINTENANCE

- Periodically inspect the plug for any signs of wear, cracks, or damage to the housing or blades.
- Check the cable entry point for fraying or damage.
- Ensure terminal screws remain tight. Re-tighten if necessary, with power disconnected.
- Clean the plug exterior with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- Store the plug in a clean, dry environment when not in use.

TROUBLESHOOTING

- **No Power:**
 - Check if the power source (e.g., circuit breaker at the pedestal) is ON.
 - Verify that the plug is fully inserted into the receptacle.
 - Inspect the cable and plug for any visible damage.
 - Ensure internal wiring connections are secure (refer to Setup section).
- **Plug Does Not Fit into Receptacle (e.g., "mousehole"):**
 - Confirm the receptacle is a NEMA TT-30R type.
 - Some RV "mouseholes" or access points may have limited space. Compare the dimensions of the plug (4.1 x 3.9 x 2.5 inches) with the available space. Minor modifications to the access point cover may be required in some cases, but always ensure safety and weather sealing.
- **Difficulty Assembling Wires:**
 - Ensure wires are stripped to the correct length (approx. 3/4 inch).
 - Twist stranded wires tightly before inserting them into the terminal clamps to prevent fraying.
 - Confirm the blades are correctly seated within the housing before attempting to close.

SPECIFICATIONS

Brand	Leviton
Model Number	830-T (Item model number: R50-00830-00T)
Amperage	30 Amps

Voltage	125 Volts
NEMA Configuration	TT-30P
Number of Poles	2
Number of Wires	3
Plug Format	Type B
Material	Thermoplastic (Vinyl)
Color	Black
Item Weight	6.9 ounces
Product Dimensions	4.1 x 3.9 x 2.5 inches
Certifications	UL/CSA Listed, NEMA Specification Met

WARRANTY AND SUPPORT

This Leviton 830-T plug is covered by a **10 Year Limited Warranty**. For warranty claims, technical support, or further assistance, please contact Leviton customer service. You can find contact information and additional resources on the official Leviton website: www.leviton.com.

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