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› Leviton 20 Amp, 250 Volt Flush Mounting Locking Receptacle User Manual

Leviton 2320

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Model: 2320

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective installation, operation, and maintenance of the Leviton 20 Amp, 250 Volt, Flush Mounting Locking Receptacle, Model 2320. Please read this manual thoroughly before beginning any work to ensure proper usage and to prevent potential hazards.

SAFETY INFORMATION

WARNING: Risk of electric shock. Installation must be performed by a qualified electrician in accordance with all national and local electrical codes. Disconnect power at the circuit breaker or fuse box before installing or servicing this device. This product is designed for industrial grade applications. Ensure the voltage and amperage ratings of the receptacle match the requirements of the connected equipment.

The receptacle features a UL 94 V-0 flammability rating, indicating high resistance to damage from severe impact, abrasion, and chemicals.

PRODUCT OVERVIEW

The Leviton Model 2320 is a 20 Amp, 250 Volt, flush mounting locking receptacle designed for grounding and industrial applications. Its robust construction ensures durability and reliable performance.



Figure 1: Front view of the Leviton 2320 Locking Receptacle. This image shows the black nylon body with a blue ring around the central locking mechanism, and the mounting straps on the top and bottom.

Key Features:

- Super Tough Nylon Body: Resists damage from severe impact, abrasion, and chemicals.
- UL 94 V-0 Flammability Rating: Highest rating for materials used in industrial locking flush receptacles.
- Extra-Thick .050-Inch Nickel-Plated Brass Mounting Strap: Ensures durability for high-abuse applications.
- Designed for Maximum Durability: Features one-piece .040-inch brass, high copper-content contacts with nickel-plated clamp-type terminals.
- Color-Coded Voltage Rating: Located on the face for easy identification.

SETUP AND INSTALLATION

Before installation, ensure the power supply to the circuit is OFF at the main service panel. Verify with a voltage tester.

Wiring Diagram (NEMA L6-20R):

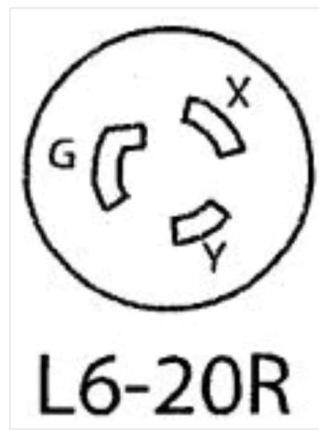


Figure 2: NEMA L6-20R configuration. This diagram shows the specific blade configuration for the L6-20R receptacle, indicating the ground (G), X, and Y terminals.

1. **Prepare Wires:** Strip approximately 1/2 inch (12-15mm) of insulation from the ends of the circuit wires.
2. **Connect Wires:**
 - Connect the ground wire (typically green or bare copper) to the green grounding screw terminal.
 - Connect the two hot wires (typically black or red) to the brass screw terminals (X and Y).

Ensure all wire connections are secure and tight. The clamp-type terminals are designed for reliable connections.

3. **Mount Receptacle:** Carefully fold the wires into the electrical box. Use the screws provided to attach the receptacle to the electrical box via the mounting straps.
4. **Install Wallplate:** Secure the appropriate wallplate (sold separately) over the receptacle.
5. **Restore Power:** Turn the power back ON at the main service panel.

For detailed dimensions, refer to the product dimension diagram below.

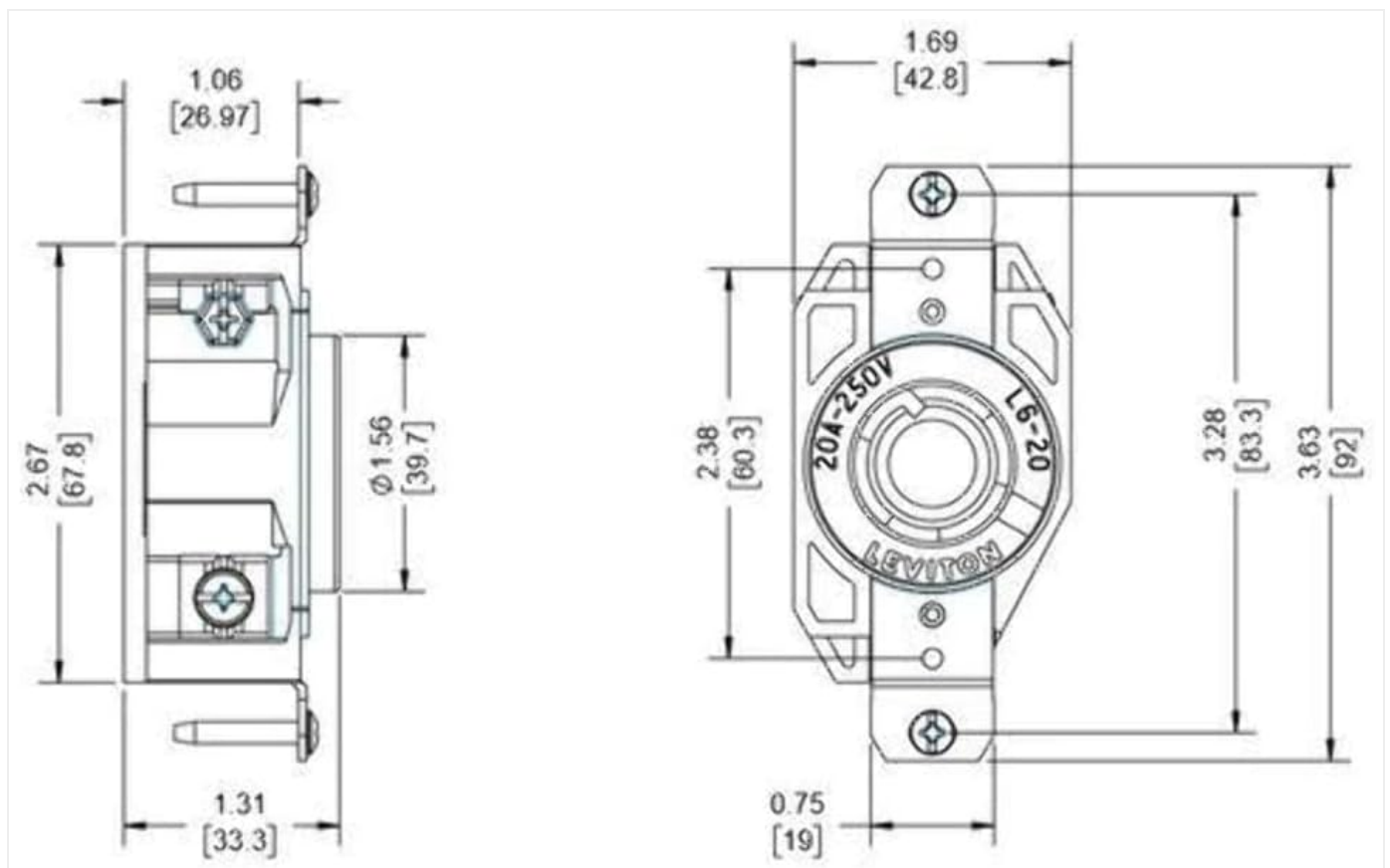


Figure 3: Dimensional drawing of the Leviton 2320 Receptacle. This diagram provides precise measurements in inches and millimeters for

the receptacle's height, width, depth, and mounting hole spacing.

OPERATING INSTRUCTIONS

The Leviton 2320 is a locking receptacle, designed to prevent accidental disconnection of equipment. To operate:

- Insert Plug:** Align the blades of the compatible NEMA L6-20P locking plug with the slots on the receptacle.
- Twist to Lock:** Insert the plug fully and then twist it clockwise until it locks into place. This secures the connection and prevents accidental removal.
- Remove Plug:** To remove, twist the plug counter-clockwise to unlock, then pull it straight out from the receptacle.

Ensure the plug is fully inserted and locked before operating any connected equipment.

MAINTENANCE

The Leviton 2320 receptacle requires minimal maintenance. Regular inspection is recommended to ensure continued safe operation.

- Cleaning:** Disconnect power before cleaning. Wipe the surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Inspection:** Periodically check for any signs of physical damage, such as cracks, discoloration, or loose connections. If any damage is observed, disconnect power and replace the receptacle immediately.
- Terminal Tightness:** Over time, wire connections can loosen. If you suspect a loose connection, disconnect power and re-tighten the terminal screws.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power at receptacle.	Circuit breaker tripped or fuse blown. Loose wire connection.	Check and reset circuit breaker or replace fuse. Disconnect power and check all wire connections for tightness.
Plug does not lock into place.	Incorrect plug type. Obstruction in receptacle slots.	Ensure you are using a NEMA L6-20P locking plug. Inspect slots for debris and remove if present.
Receptacle feels warm.	Overload or loose connection.	Reduce load on circuit. Disconnect power and check wire connections for tightness. If problem persists, consult a qualified electrician.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or Leviton customer support.

SPECIFICATIONS

Attribute	Value
Model Number	2320

Attribute	Value
Amperage	20 Amp
Voltage	250 Volt
Mounting Type	Flush Mounting
Receptacle Type	Locking, Grounding
Grade	Industrial Grade
Material	Nylon
Color	Black
Flammability Rating	UL 94 V-0
Certifications	UL Listed
Product Dimensions	2.7 x 4.2 x 2.7 inches (approximate)
Item Weight	3.52 ounces
Country of Origin	China

WARRANTY AND SUPPORT

Warranty: This Leviton product comes with a Limited Lifetime Warranty. For specific terms and conditions, please refer to the warranty information provided with your purchase or visit the official Leviton website.

Customer Support: For technical assistance, installation questions, or warranty claims, please contact Leviton customer support. Contact information can typically be found on the Leviton website or product packaging.

You can visit the official Leviton store for more information:[Leviton Store on Amazon](#)

