

Three-prong plug distribution box



Article Overview

To connect a three-prong plug to a distribution box, identify the live, neutral, and ground wires, connect each to the correct terminal, and ensure all connections are secure and properly grounded.

Safety First

Before starting, turn off the power at the main breaker to prevent electrical shock. Verify that the circuit is de-energized using a multimeter or non-contact voltage tester . Always wear insulated gloves and follow local electrical codes.

Identify the Wires

A standard three-prong plug has three wires:

- Live (Hot) wire: Usually black or red, carries current to the appliance .
- Neutral wire: Usually white, completes the circuit back to the power source .
- Ground wire: Green or bare copper, provides a safe path for faults .

Prepare the Wires

- Strip about 1/2 inch of insulation from each wire using a wire stripper .
- Ensure the exposed copper is clean and free of frays.

Connect to the Distribution Box

- Live wire: Attach to the brass or marked “L” terminal.
- Neutral wire: Attach to the silver or marked “N” terminal.

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