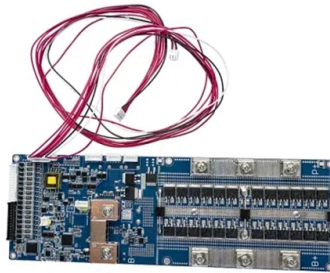


Bedroom Junction Box Installation Method



Article Overview

Installing a bedroom junction box requires selecting the right box, securing it properly, making safe wire connections, and ensuring code compliance for long-term safety.

Step 1: Safety First

Before starting, turn off the power at the circuit breaker and verify with a voltage tester that the circuit is de-energized. Wear insulated gloves and eye protection to prevent shocks or injury. Ensure the work area is dry, well-lit, and free of obstacles.

Step 2: Choose the Right Junction Box

- **Material:** Use plastic boxes for indoor NM (Romex) wiring; metal boxes are required for metal-sheathed cables or ceiling fan fixtures.
- **Size:** Calculate box fill based on the number and gauge of wires, including grounds and clamps. Oversize if unsure to avoid overcrowding.
- **Type:** Use new-work boxes for open framing or old-work boxes for retrofit installations.
- **Location:** Ensure the box is accessible and flush with the wall or ceiling surface; never bury it behind drywall.

Step 3: Mount the Box...

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Document the installation details and test results for future reference and maintenance purposes, maintaining a

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Typical Bedroom Wiring Diagram

At each box, the incoming hot wire connects to the bottom gold terminal screw, and the outgoing hot wire to the next

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