

How to install the legs of a secondary distribution box



Overview

Distribution Box Mounting & Panel Installation TipsI share field-proven, standards-based guidance for secure distribution box mounting and panel installati.

Key Takeaways

Securely attach the legs to a stable surface using appropriate bolts or brackets, ensuring the box is level, at the correct height, and properly grounded. Step-by-Step Installation

1. Site Selection and Preparation Choose a dry, well-ventilated area close to the power source, avoiding humid, corrosive, or flammable environments. Ensure the floor or mounting surface is level and strong enough to support the box and its electrical components . 2. Positioning the Box Place the distribution box on the intended location. For secondary boxes, the bottom edge is typically 1.5-1.8 meters above the ground for easy access . Ensure there is enough clearance around the box for ventilation and maintenance . 3. Attaching the Legs

- Align the legs with the mounting points on the box.
- Use expansion bolts or screws suitable for the floor material (concrete, wood, or metal). For concrete, the bolt length should include the embedded depth, thickness of the leg base, and washers, plus a small allowance for secure tightening .
- For smaller boxes, wooden blocks can be embedded at the installation points, and the legs can be fixed with wood screws .

- Ensure the legs are firmly attached and the box does not wobble or tilt. 4. Leveling and Stability Check that the box is horizontally and vertically level. The vertical deviation should not exceed 3 mm . Adjust the legs or use shims if necessary to achieve proper alignment. 5. Grounding and Safety Connect the metal legs and box to the grounding system to prevent electrical hazards. Ensure all metal parts are bonded and that the protective neutral wire is connected through the terminal board . 6. Final Checks
- Verify that the box is stable and secure.
- Confirm that all cable inlets and joints are sealed properly.
- Ensure the box is ready for wiring and installation of circuit breakers or other components . By following these steps, the secondary distribution box will be securely mounted, level, and compliant with safety standards, providing a reliable foundation for electrical distribution.

Article Content

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electrical distribution board are sometimes known as: breaker panels fuse box, fuse board, circuit breaker panel,

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