

Height of temporary secondary distribution box from the ground



Overview

A ground wire of #6 copper or larger shall be run, unspliced, from the meter socket to a driven ground rod.

Key Takeaways

The recommended height for a secondary temporary distribution box is typically between 1.2 meters and 1.8 meters from the ground for wall-mounted installations, and 50–100 mm for ground-mounted setups.

Wall-Mounted Boxes:

- For temporary or secondary distribution boxes mounted on walls, the bottom edge should be 1.2 to 1.8 meters above the ground. This range ensures easy accessibility for operation and inspection without excessive bending or stretching, while also keeping the box safe from water spills or accidental impacts .

- Surface-mounted boxes are usually installed with the bottom at 1.2 meters, while flush-mounted boxes are often set at 1.4 meters from the ground .

Ground-Mounted Boxes:

- If the box is installed on the ground, the foundation should be raised 50–100 mm above ground level to prevent moisture damage and ensure stability .

Outdoor Considerations:

- Outdoor boxes should be mounted at least 1.0 meter above the ground to prevent water ingress and unauthorized access .

- Ensure the box is installed on a firm bracket or foundation and protected from environmental hazards.

Additional Guidelines

- The box should be installed in a dry, well-ventilated area to avoid overheating and corrosion .
- Use a secure mounting method to prevent tilting or movement due to vibration or accidental impact .
- Follow local electrical standards such as BS 7671 or IEC 60364-5-52 for safety and compliance .
- Regular inspection and maintenance are recommended to ensure long-term reliability and safety . By following these height guidelines, a secondary temporary distribution box will be accessible, safe, and compliant with standard electrical installation practices.

Article Content

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Requirements for the distance between secondary distribution boxes and the ground
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Install a distribution box at 4.5 to 5.5 feet high for safety, accessibility, and compliance. This height ensures easy use and protection

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Distribution apparatus, such as transformer and capacitor cases, mounted on wooden poles, at a height exceeding 2.44 m (8.0 ft)

Policy 242 Underground Conduit Systems for Primary and

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Specification DDS-4 UG Revision 12, December 2022 ONCOR ELECTRIC DELIVERY COMPANY SPECIFICATIONS FOR

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CHAPTER Underground Secondary Services

Customer-installed secondary service conduit New services to residential structures require a continuous run of conduit from the

The Meaning and Function of Primary, Secondary, and Tertiary ...

The terms primary, secondary, and tertiary distribution boxes are relative. Let's make an example for clarity: A newly

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Service Specifications

Service point for an underground system with secondary meter socket installed on side of building.5 Figure

3.0 URD DESIGN GUIDELINES 3.1 Overview of ATCO

3.1 Overview of ATCO's Electricity URD System Design The power supply to all single lot underground residential services is through

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