

RIVO MULTITRADE OPTICAL SYSTEMS

Place the electrical distribution box in the stairwell



Overview

Electrical Panel Locations In summary, electrical panels can be located anywhere other than in bathrooms, clothes closets, above steps of a Electrical Panel.

Key Takeaways

Electrical distribution boxes cannot be installed directly over stair steps, but they may be placed near a stairwell if proper clearances and safety requirements are met. NEC Compliance and Safety Considerations

According to the National Electrical Code (NEC), overcurrent devices such as circuit breakers and distribution panels must not be located over the steps of a stairway . This restriction ensures that anyone working on the panel has a stable surface to stand on and sufficient space to safely access the equipment. Installing a panel directly on stair steps is considered unsafe and non-compliant .

Acceptable Locations Near Stairs

- Stair Landings: A panel can be installed on a stair landing, provided it is not directly over the steps and the required working space is maintained .
- Adjacent Walls: Panels may be placed on walls next to a stairwell if the minimum working clearances are observed. NEC 110.26 requires at least 30 inches wide and 36 inches deep of clear space in front of the panel for voltages up to 150V, with higher voltages requiring up to 48 inches .



- **Height Restrictions:** The top of the panel should not exceed 6 feet 7 inches above the finished floor or platform to ensure accessibility .

Additional Considerations

- **Accessibility:** Ensure the panel door can open 90 degrees without obstruction.
- **Fire Safety:** Avoid installing panels in fire-rated walls or partitions unless proper fire-stopping measures are applied .
- **Environmental Factors:** Install the box in a dry, ventilated area at an appropriate height (typically around 1.5 meters) to prevent moisture or damage .
- **Prohibited Locations:** Panels should not be installed in bathrooms, clothes closets, or areas with easily ignitable materials .

Summary

While a distribution box cannot be placed directly over stair steps, it can be installed near a stairwell if it is on a landing or adjacent wall, with all required clearances, height limits, and safety measures observed. Proper placement ensures compliance with NEC standards and provides safe access for maintenance and operation.

Article Content

How to Install a Cable Distribution Box Safely and Correctly?

In modern electrical systems, cable distribution boxes (also known as electrical distribution boxes or distribution

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

