Electrical distribution box installed in the hallway at the entrance

Overview

(A) Entrance. At least 1 entrance to enclosures for electrical installations as described in 110.31 not less than 30 in.

Key Takeaways

A distribution box in a hallway near the entrance is acceptable if it meets clearance, height, and accessibility requirements per electrical codes.

Location and Accessibility

Electrical panels, also known as distribution boxes or breaker boxes, can be located in various areas of a home, including hallways near entrances, provided they comply with safety and code requirements. While basements, garages, or utility rooms are often preferred, hallways are commonly used for easy access, especially in older homes. The key is that the panel must be readily accessible and not obstructed by furniture or doors.

Clearance and Height Requirements

According to the National Electrical Code (NEC), the following requirements apply: Front workspace clearance: At least 3 feet of clear space in front of the panel to allow safe operation and maintenance. Width clearance: Minimum 30 inches wide working space around the panel. Panel door: Must be able to open to a 90-degree angle.

Height: The highest circuit breaker handle should not exceed 6 feet 7 inches above the finished floor. These requirements ensure that anyone accessing the panel can do so safely and efficiently.

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Safety Considerations

Avoid hazardous locations: Panels should not be installed in bathrooms, clothes closets, over stairways, or near easily ignitable materials. Dry and ventilated area: Hallways are generally suitable if they remain dry and well-ventilated. Labeling and organization: Each circuit should be clearly labeled, and wiring should be neat with proper grounding and breaker sizing.

Summary

A distribution box in a hallway near the entrance is permissible as long as it meets NEC clearance, height, and accessibility standards, and is installed in a safe, dry location. Regular inspections and proper labeling further enhance safety and compliance.

Article Content

THE NEW YORK CITY ELECTRICAL CODE

(A) Entrance. At least 1 entrance to enclosures for electrical installations as described in 110.31 not less than 30 in. (762 mm) wide and 6 1⁄2 ft (2 m) high shall be provided to give access to the working

The installation requirements for the distribution box

IntroductionUnderstanding The Components of A Distribution BoxSelecting The Right Distribution BoxSite Preparation and Location RequirementsElectrical Connections and WiringCompliance with Standards and RegulationsConclusionWhat Is a Distribution Box?A distribution box, also known as a power distribution unit, is a critical component in any electrical system. It is the control center for electricity in your home or business. It takes the electrical power coming into the building and distributes it to different circuits. Each circuit then powers various deviceWhy Proper Installation MattersInstalling a distribution box correctly is about more than just making sure the lights turn on. It''s about safety, efficiency, and reliability. A poorly installed distribution box can lead to a host of problems. These include electrical fires, short circuits, and even complete power failures. Proper installation ensures thaSee more on eabel Published: Feb 7, 2025NYC.gov

Electrical Code - Buildings - NYC.gov

Determination is required for electrical code variance / special permission request. Requests must demonstrate practical difficulty and provide supporting documentation and include proposed equally

Specifications for Electric Installations

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Any distribution, supply, or service line which the Company is required to install and has installed, or the customer has installed on the company''s behalf, in whole or part, shall be maintained, repaired, and

National Electrical Code (NEC) Requirements for Panelboards

Service entrance conductors (wires that bring electricity from the utility) must be appropriately sized and installed to meet load demands and NEC requirements.

Electrical Panel Location and Installation: Clearance, Bathrooms ...

When planning your electrical panel installation, be sure to plan for accessible areas such as a garage, basement, or hallway. If you are remodeling or selling your home, ensure that there is

How to Install a Cable Distribution Box Safely and Correctly?

Reliable cable distribution boxes ensure safe, efficient power management for residential, commercial, and industrial systems. Learn installation and safety tips.

Electrical Junction Box NEC Code: Rules,

Learn NEC code requirements for electrical junction boxes, including installation rules, accessibility requirements, wiring guidelines, and common

CHAPTER 39 POWER AND LIGHTING DISTRIBUTION

At least one lighting outlet controlled by a listed wall-mounted control device shall be installed in hallways, stairways, attached garages, and detached garages with electric power.

Chapter 27 Electrical: New York City Building Code 2022 | UpCodes

Distribution associated with emergency and standby power systems shall not pass through the room containing the main or primary electrical service equipment.

What Is an Electrical Service Entrance? A Complete Guide

Your complete guide to the electrical service entrance. Learn about the main components, required materials, and safety codes for your home. Get the details now.

Where can panelboards and load centers be located in my building?

In residential installations it is not typical for a space to be dedicated for the installation of an electrical panel. Panelboards are thus often installed in garages or basements in single family

National Electrical Code (NEC) Requirements for Panelboards

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NEC Article 408 covers switchboards, switchgear, and Panelboards installation and applications. Here are some key NEC – 2023 codes and requirements related to electrical panels: Related Post: IEC

Distribution Box Wiring Steps

Location determination: Determine the installation position of the circuit breaker according to the position of the circuit breaker installation hole on

The Ideal Positioning of Electrical Switches and Outlets ...– The ...

Carefully situating electrical outlets and switches may substantially improve your home''s beauty and utility. The location of electrical switches and outlets in your house is important for both

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 boxes) play a crucial role as the key hub for managing, distributing,

Service Entrance Equipment

What is service entrance equipment? The service entrance is where the cables linked with the heaping side of the meter that enter the house or structure. A breaker or wire box is commonly thought of as

Regulations / guidance regarding siting of distribution boards and ...

Hello All Is there any regulations regarding the siting of distribution boards like level area in front of board and dimensions of area in front of board etc?

CHAPTER 39 POWER AND LIGHTING DISTRIBUTION

At least one wall-switch-controlled lighting outlet shall be installed in hallways, stairways, attached garages, and detached garages with electric power. At least one wall-switch-controlled lighting outlet

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