# What types of electrical distribution boxes are there for suites



## Overview

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

## Key Takeaways

Common electrical distribution boxes for suites include Main Distribution Boards (MDB), Sub Distribution Boards (SDB), Consumer Units, and specialized DB Boxes for lighting or power circuits.

### Key Types of Distribution Boxes

Main Distribution Board (MDB) The MDB acts as the central hub for electricity entering a building, distributing power to various sections or suites. It typically houses main circuit breakers, bus bars, and protective devices, ensuring overload and short-circuit protection for the entire building. Sub Distribution Board (SDB) SDBs are installed downstream from the MDB to serve specific areas, floors, or suites.

They reduce long cable runs, improve organization, and allow independent circuit control for each suite. Consumer Unit Common in residential suites, consumer units contain miniature circuit breakers (MCBs) and residual current devices (RCDs) to protect individual circuits like lighting, outlets, and appliances. Meter Panel Meter panels integrate electricity meters with distribution components, allowing monitoring of power consumption for individual suites or units.

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Lighting Distribution Box Dedicated to lighting circuits, these boxes provide protection and control for suite-specific lighting systems. Power Distribution Box Designed for sockets, appliances, and small equipment within a suite, these boxes ensure safe and organized power delivery. Control Distribution Box These integrate control devices such as relays, timers, and contactors, often used in suites with automated systems or specialized equipment.

### Installation Considerations

Surface Mounted vs Flush Mounted: Surface-mounted boxes are easier to retrofit, while flush-mounted boxes provide a cleaner appearance in suites. Single Phase vs Three Phase: Single-phase boxes are suitable for standard residential suites, whereas three-phase boxes are used for larger commercial suites requiring higher power capacity. Safety and Compliance: Ensure boxes meet local electrical codes, include proper protective devices, and are installed by qualified electricians.

### Summary

For suites, the most commonly used distribution boxes are MDBs for the building's main supply, SDBs for individual floors or suites, and consumer units for suite-specific circuits. Specialized boxes like lighting, power, or control DBs can be added depending on the suite's electrical requirements, ensuring safety, efficiency, and organized power distribution.

## Article Content

Electrical Control Panels & Distribution Boxes: Sizes,

This guide explores control panels, electrical boxes, breaker panels, bus bars, junction boxes, and custom enclosures to help you understand their

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

The Ultimate Guide to Distribution Box Types

Discover the key types of distribution boxes with NUOMAK''s comprehensive guide. Learn about Main Distribution Boards (MDB), Consumer Units, Transfer

12 types of distribution boxes and how to choose them

In this guide, we''ll break down the 12 main types of distribution boxes in a way that''s easy to understand. We''ll chat about what each one does, where it shines, and then dive into how to

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Ultimate Guide To Distribution Boxes Db Boxes Types Components ...

This ultimate guide explains what a distribution box does, its internal components, common types, real-world applications, and how to select the right DB Box for your project.

Distribution Boxes Types – The Complete Guide

A commonly used distribution box contains doorbells, earth leakage devices, timers, or contact breakers. However, the distribution boxes have several sizes and designs suitable for

Electrical Distribution Box: Complete Panel Types

We''ll explain what they are, the different panel types you''ll encounter, NEC 408 requirements that govern their installation, and common applications

Types of Electrical Boxes: Complete Guide & Uses 2026

Learn the different types of electrical boxes, including outlet, switch, junction, ceiling, weatherproof, and low-voltage boxes, with practical uses and selection tips.

10 Distribution Board Types Explained [July 2026 ]

There are many types of distribution boards, each made for different uses. Some are great for small homes, while others are built for big buildings or

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find the perfect DB box for your needs.

Understanding Distribution Boxes: A Comprehensive

support safer operation in electrical systems For this reason, distribution boxes are widely used in homes, commercial buildings, industrial

12 types of distribution boxes and how to choose them

Hey there! If you''re planning any electrical project, whether it''s for your home, office, or a big commercial setup, you''ve probably heard about distribution boxes. These are the unsung heroes

What is an Electrical Distribution Box? A

Discover everything you need to know about electrical distribution box! Learn about types, components, and how to choose.

Distribution Boxes Types – The Complete Guide

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The power distribution boxes deliver electricity from the main electrical main to other circuits. Several distribution boxes are designed for specific use in

What is the Internal Structure of The Distribution Box

Learn about the internal structure of a distribution box, its components, functions, and key types. Understand its role in electrical systems

Electrical Control Panels & Distribution Boxes: Sizes,

Introduction Electrical control panels and distribution boxes are the backbone of modern electrical systems. From powering homes and industrial

10 Distribution Board Types Explained [July 2026 ]

Key Takeaways A distribution board safely distributes electrical power from a main source to various circuits and areas within a building. There are 10

Distribution Boxes Explained: Types, Functions, and

Learn about distribution boxes, their types, functions, and safety features to ensure efficient and secure electrical power distribution in any building.

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