

Types of In-Home Distribution Boxes



Article Overview

In-home distribution boxes, also known as DB boxes or breaker boxes, come in various types designed to safely distribute electricity to different circuits in a home.

Overview

A distribution box is the central hub of a home's electrical system. It receives power from the main supply and distributes it to various circuits, protecting against overloads and short circuits. Modern boxes may include features like smart monitoring, energy management, and integration with home automation systems ().

Common Types of In-Home Distribution Boxes

- Consumer Unit
 - Typically used in residential homes.
 - Houses circuit breakers or fuses to protect individual circuits.
 - May include Residual Current Devices (RCDs) for added safety ().
- Single-Phase DB Box
 - Designed for standard residential power loads.
 - Suitable for lighting, outlets, and small appliances.
 - Often surface-mounted or flush-mounted for aesthetic integration ().
- Three-Phase DB Box
 - Used in larger homes or small commercial setups requiring higher power capacity.
 - Supports heavy appliances and multiple circuits simultaneously ()....

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Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find

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