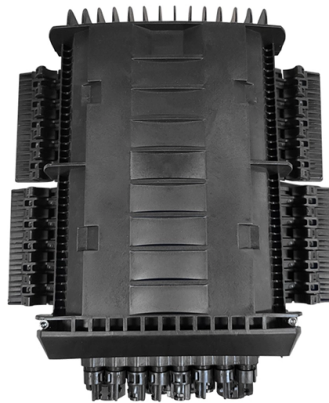


# Household electrical distribution box cable board



## Summary of Content

A household electrical distribution box, or consumer unit, safely splits incoming power into multiple circuits, providing protection, control, and isolation for each sub-circuit.

### Overview

A distribution board (also called a consumer unit in domestic settings) is the central hub of a household electrical system. It receives power from the main supply and distributes it to individual circuits serving lighting, sockets, HVAC systems, and appliances . It ensures safe and reliable electricity flow while protecting the installation from overloads, short circuits, and earth faults .

### Key Components

- Main Switch: Acts as a master control to isolate the entire installation .
- Circuit Breakers (MCBs): Protect individual circuits from overcurrent .
- Residual Current Devices (RCDs) or RCBOs: Provide earth fault protection and, in the case of RCBOs, combine overcurrent and earth fault protection per circuit .
- Busbars: Conduct electricity from the main supply to each circuit .
- Surge Protective Devices (SPD): Optional but recommended for sensitive electronics to protect against voltage spikes .
- Meter: Measures electricity consumption and may be integrated into the board in some installations .

## Article Content

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How to wire a DB - Distribution Board Wiring - Mechatrofice

Through the MCB phase lines are distributed to electrical wiring for lighting, fixed devices, and power distribution

Distribution board

Distribution boards may be surface-mounted or flush. The former arrangement provides easier alteration or addition to wiring at a

DIY Wiring a Consumer Unit and Installation

Here we are considering a Distribution Board with MCBs [Miniature Circuit Breakers] for power distribution. Installation work

House Distribution Board » Wiring Diagram

To ensure that your electrical system is properly balanced and functioning safely, you must understand how a house

A Complete Guide to Distribution Boards

Read this comprehensive buyer's guide on distribution boards, explaining what they are, their uses, types, how to

What is 30 Days From Today?

Adding thirty days to today's date takes you to Wednesday September 9, 2026. This will be the 251st day of the year,

Distribution Box Guide: Types, Components & Solutions

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

Distribution boards components

Electrical equipment used in residential premises are commonly certified by third party ensuring conformity with the

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,

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30 Day Calculator

Free 30 day calculator to add or subtract exactly 30 days from any date. Switch forward or reverse modes and see

Wiring of the Distribution Board From Energy Meter to the Consumer

Below is a Wiring diagram of the distribution board, Single phase electric supply from electric pole and Energy meter to the main

Wiring of the Distribution Board with RCD (Single Phase Home Supply)

The above mentioned electrical wiring accessories and protective devices are used to control and distribute electric supply (safely to

30 Days from Today

To get started, enter the start date to which you need to add/subtract days (today's date is initially displayed). Use the calendar for

## Contact Us

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