

How to wire the indoor main distribution box



Article Overview

Wiring an indoor main distribution box involves connecting the incoming power to the main breaker, distributing it to branch circuits via circuit breakers, and ensuring proper grounding and safety compliance.

Key Components of a Main Distribution Box

- Main Breaker (DP or Double Pole MCB): Acts as the main isolator for the entire system.
- Residual Current Device (RCD): Provides protection against leakage currents and electric shocks.
- Single Pole MCBs: Protect individual circuits such as lighting, outlets, and appliances.
- Neutral and Ground Busbars: Ensure proper return paths and grounding for safety.

Step-by-Step Wiring Process

- Preparation and Safety
- Turn off the main power supply before starting any work.
- Ensure the installation area is dry, ventilated, and accessible, typically at a height of ~1.5 meters ().
- Use insulated tools and wear protective equipment.
- Mounting the Distribution Box
- Secure the box to a wall using screws or brackets...

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