

Zimbabwe Primary Distribution Box with Double Protection

Article Overview

A primary distribution box with double protection in Zimbabwe safely distributes electricity to multiple circuits while providing both overcurrent and earth leakage protection.

Overview

A primary distribution box (also called a distribution board, panelboard, or breaker panel) is the central hub for electrical power in a building. It divides incoming electricity into subsidiary circuits and provides protection for each circuit. Double protection refers to the combination of circuit breakers for overcurrent protection and earth leakage devices to prevent electric shocks and fire hazards .

Key Features

- **Circuit Breakers:** Automatically disconnect circuits during overloads or short circuits to prevent damage to wiring and appliances .
- **Earth Leakage Protection:** Detects leakage currents and disconnects power to prevent electrocution and fire risks .
- **Bus Bars and Fuse Links:** Facilitate safe distribution of electricity to multiple circuits .
- **Durable Housing:** Typically made from corrosion-resistant PVC or metal to ensure long-term safety .
- **Space for Expansion:** Allows additional circuits, timers, or contact breakers to be a...

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Use Scenarios of Primary Distribution Boxes in Zimbabwe

The distribution box is the device responsible for power control, protection,
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