

Function of knobs in the distribution box



Article Overview

Knobs in a distribution box primarily serve as manual control points for switching, isolating, and adjusting electrical circuits safely.

Role of Knobs

Knobs in a distribution box are typically connected to circuit breakers, isolators, or switches. Their main functions include:

- **Circuit Control:** Knobs allow users to manually turn individual circuits on or off, controlling the flow of electricity to specific areas or devices within a building .
- **Electrical Isolation:** They provide a safe way to disconnect power for maintenance or emergency purposes, ensuring that technicians can work without risk of electric shock .
- **Overload and Fault Management:** When connected to circuit breakers, knobs can reset a tripped breaker after an overload or short circuit, restoring power safely .
- **Convenience and Safety:** Knobs make it easier to operate the distribution box without directly handling live wires, reducing the risk of accidental contact with high voltage .

Practical Applications

- **Residential Use:** Knobs control lighting, air conditioning, and appliance circuits individually, allowing selective shutdowns.
- **Commercial and Industrial Use:** They manage larger loads and multiple circuits, often integrated with three-phase systems for machinery or office equipment

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7) Considerations for choosing a power distribution box The context, security needs, and

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Contact Us

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