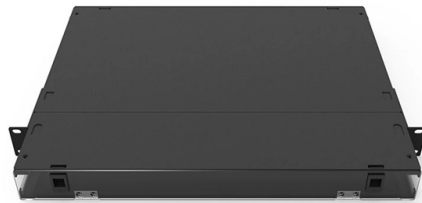


Jiye power distribution box concealed installation



Overview

Large electrical power distribution boxes come in several sizes—single-gang for one device, double-gang for two, and so on.

Key Takeaways

Jiye distribution boxes support both concealed and exposed installation, offering durable, safe, and easy-to-install solutions for home and commercial electrical systems. Concealed Installation Overview

Jiye distribution boxes, such as the 1.5mm thickened model, are designed for concealed installation, allowing the box to be embedded within walls for a neat and aesthetically pleasing setup. The concealed method hides the box from view while maintaining full accessibility for maintenance and operation. This approach is ideal for modern homes or offices where a clean interior appearance is desired.

Material and Durability

The boxes are made from high-strength cold-rolled steel with a surface treated by epoxy resin electrostatic spraying, providing excellent corrosion resistance, rust-proofing, and moisture protection. This ensures long-term durability even in humid environments like kitchens or bathrooms. The internal structure features independent partitions for each line, reducing the risk of wiring confusion and enhancing safety.



Installation Features

- Flexible mounting: Concealed installation involves embedding the box into a wall cavity, while exposed installation allows surface mounting .
- Simple process: No specialized tools are required, and the modular design allows for easy maintenance, as individual components can be replaced without dismantling the entire box .
- Safety devices: Built-in circuit breakers and leakage protection automatically cut off power in case of abnormalities, ensuring electrical safety .
- Accessibility: The door panel can open more than 90 degrees, providing easy access for wiring and inspection .

Compatibility and Smart Features

Many Jiye boxes are compatible with smart home systems, allowing future upgrades for automated control of lighting, air conditioning, and other appliances . Heat dissipation is optimized to prevent overheating during prolonged use.

Practical Considerations

- Ensure the wall cavity is sufficiently sized to accommodate the box and allow for wiring connections.
- Verify that the current and voltage ratings of the box match your electrical system (e.g., AC 50Hz, single-phase 240V, three-phase 450V, and currents up to 250A), .
- Plan for future maintenance by leaving enough clearance around the box for access.
- Concealed installation is particularly recommended for residential settings where aesthetics and safety are priorities, while exposed installation may be preferred in industrial or commercial environments for easier access . In summary, Jiye power distribution boxes are well-suited for concealed installation, combining robust materials, safety features, and user-friendly design. Proper planning and adherence to electrical standards will ensure a secure, durable, and visually clean installation .

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A distribution box is the heart of any electrical system. It takes the incoming power and safely distributes it to different

Install A Concealed Conduit Wiring System

Fix the concealed box 3 mm below the plastered surface. Finish the box xing before the plastering work while doing the wall

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