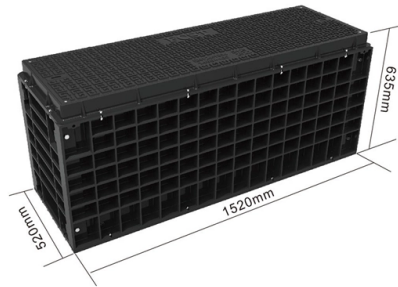


Using the distribution box as a switch



Article Overview

A distribution box is primarily designed to distribute and protect electrical circuits, not to function as a simple on/off switch, though it contains switches that can control individual circuits.

Function of a Distribution Box

A distribution box, also called a DB box or breaker box, is an enclosure that receives power from the main supply and distributes it to multiple circuits within a building or facility. It contains key components such as circuit breakers, fuses, busbars, and sometimes a main switch, which allow for safe control and protection of electrical circuits. The main switch can disconnect the entire power supply to the box, while individual breakers can isolate specific circuits.

Can It Be Used as a Switch?

While a distribution box includes switches (circuit breakers or a main switch), its primary purpose is circuit protection and power distribution, not routine switching of devices. Using it as a regular on/off switch for appliances is not recommended because:

- Circuit breakers are designed to trip under overload or short-circuit conditions, not for frequent manual switching.
- Frequent operation may wear out the breaker mechanism or reduce its protective reliability.
- Distribution boxes are typically installed in fixed locations, making them less conv...

Article Content

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The circuit below shows the connections from the M23 quick disconnect to the interlock switches that are using the 4-port distribution

Amazon : Power Distribution Box

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for

Contact Us

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