

Dimensions of an indoor 20-position electrical distribution box

Article Overview

A typical indoor 20-position electrical distribution box, such as the Leviton 20-space load center, has external dimensions around 14.5 inches high x 12.5 inches wide x 3.5 inches deep.

Standard Dimensions

For a 20-space indoor load center:

- o Height: approximately 14.5 inches
- o Width: approximately 12.5 inches
- o Depth: approximately 3.5 inches These dimensions are typical for residential or light commercial indoor panels and are designed to accommodate 20 single-pole circuit breakers with sufficient internal wiring space and clearance for safe installation (Leviton 20-space indoor load center) .

Considerations for Installation

- o Mounting: Wall-mounted, NEMA 1 rated for indoor use.
- o Internal Layout: The usable space inside is slightly smaller than the external dimensions due to the back panel, mounting studs, and door returns .
- o Breaker Compatibility: Compatible with standard Leviton circuit breakers, including basic and smart breakers, up to 60A for copper wire and 50A for aluminum wire .
- o Future Expansion: While the box is designed for 20 positions, some manufacturers allow mixing of breaker types or optional spare capacity for future upgrades.

General Notes

Electrical enclosure sizes vary by manufacturer, so while the Leviton 20-space panel provides a reference, other brands may have slightly different dimensions. Always check the catalog or datasheet for exact external and internal measurements before installation . This size ensures compliance with wiring fill requirements, provides adequate working space for conductor splicing, and allows safe cover installation .

The size of the distribution box is reserved When the electric box is only a lighting electric

Use Walton DB box of correct size and thickness The distribution box is the load center and electrical power distributor. A distribution



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Explore standard electrical enclosure box sizes, learn how IP ratings and materials affect design, and calculate the

Distribution is an essential function for the electrical panels, as well as for control and circuit protection. As well as purely technical

This guide explains standard electrical box dimensions by type, compares common sizes,

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Electrical enclosure sizes are not universal, but most manufacturers follow common size

The document provides details for designing the electrical distribution box and circuits for a residence. It includes specifications for

Plastic Electrical Box, also known as a consumer control unit or electricity control unit. It is a device that is a type of distribution board

A distribution box, also called an electrical distribution box, distributes incoming power to

What are Distribution Boxes and Their Importance? What are Distribution Boxes and Their

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