

Dimensions for installing a 48-position distribution box



Summary of Content

A typical 48-position distribution box measures approximately 600–800 mm in height, 400–600 mm in width, and 150–250 mm in depth, depending on the manufacturer and application.

Overview

A 48-position distribution box is designed to accommodate 48 modules or ports, commonly used in electrical distribution or fiber optic networks. These boxes are available for indoor and outdoor use, often with IP55 to IP65 protection to prevent dust and water ingress. They are typically wall-mountable or pole-mountable, with a lockable door for security and a rear splice or cable management area for organized wiring.

Typical Dimensions

While exact dimensions vary by manufacturer, standard 48-position boxes generally fall within these ranges:

- Height: 600–800 mm
- Width: 400–600 mm
- Depth: 150–250 mm For example, the IDE CDP48PT IP65 distribution box is designed for 4x12 module configuration (48 modules total) and uses a TH35x7.5 DIN rail for mounting internal components. Fiber optic 48-port boxes, such as those used in FTTH networks, often feature a two-layer design with a rear splice area and front interconnect area, fitting within similar dimensions.

Article Content

The installation requirements for the distribution box

In this guide, we'll break down everything you need to know to install a distribution box correctly and confidently.

48-Way Distribution Box Guide: How to Choose & Install

A practical, no-fluff guide to selecting, wiring, and installing a 48-way distribution box—covering electrical vs. fiber

Dimensions of a 48-position electrical distribution box

Learn standard electrical box dimensions for outlets, switches, and junction boxes. Compare sizes, depths, volume, and clearance

Distribution box catalogue | PDF

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It

Electrical Box Dimensions: Find the Right Size for Any Installation

This guide explains standard electrical box dimensions by type, compares common sizes, and helps you select the

NEC Requirements for Panelboards and Load Centers

Clearance: Electrical panels must be installed in a readily accessible area with a minimum clearance of 30 inches (762 mm) wide, 3 ft

Dimensions of a 48-position electrical distribution box

Electrical Box Size Chart: Standard Dimensions for Panels & Junction View a complete electrical box size chart with standard

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Dimension A: 25.96" is the dimension to the back panels. Dimension B: 22.69" is the dimension from the front rail

Wall mount distribution box for 48 FO cables

The wall mount distribution box can hold up to 48 FO and is suitable for indoor and outdoor applications. It has two entry holes for

Distribution Boxes Technical Data

DC Micro Style Distribution Boxes Four-pin, One Signal per Port Cable Connector
Distribution Box Eight-port DC Micro Distribution

Contact Us

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