Price of wall-mounted electrical distribution boxes for construction sites



Overview

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

Key Takeaways

The installation of wall-mounted electrical distribution boxes on construction sites typically ranges from $200 to $1,200 per unit, depending on box type, size, amperage, and labor complexity.

Material Costs

The price of the distribution box itself varies widely based on specifications: Standard single-phase boxes for light commercial use can cost $100–$300. Three-phase or heavy-duty industrial boxes with multiple circuits, breakers, or smart monitoring features can range from $400–$900 or more. Outdoor or weather-resistant enclosures generally carry a premium over indoor-rated units.

Labor Costs

Labor is a significant portion of the total cost: Electricians typically charge $40–$120 per hour, with master electricians at the higher end for specialized installations. Installation of a standard wall-mounted box usually requires 2–6 hours, depending on site conditions, conduit routing, and accessibility. Labor in urban areas tends to be higher due to permit fees and union rates, while rural sites may have lower hourly rates but longer travel times.

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Total Installation Cost

Combining materials and labor, typical wall-mounted distribution box installation costs are: Small commercial or residential-style boxes: $200–$500 per unit. Medium to large commercial boxes: $500–$900 per unit. Industrial or high-capacity three-phase boxes: $900–$1,200+ per unit.

Additional Factors Affecting Cost

Number of circuits and breakers: More circuits increase both material and labor costs. Mounting surface: Concrete or masonry walls can add 15–30% to labor costs due to drilling and anchoring requirements. Permits and inspections: Local code compliance may add fees.

Special features: Smart monitoring, surge protection, or integration with building management systems can increase upfront costs but may reduce long-term operational expenses.

Budgeting Tips

Obtain multiple quotes from licensed electricians to account for regional labor differences. Factor in conduit, wiring, and protective devices as part of the total installation cost. Consider future expansion when selecting box size to avoid costly upgrades later.

By accounting for these variables, construction managers can plan for a per-unit installation cost of roughly $200–$1,200, with the final price depending on box specifications, labor rates, and site complexity.

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