Price of residential indoor electrical distribution boxes



Overview

Explore distribution box cost factors, safety features, and budget solutions. Learn how to select the right panel for your needs and budget.

Key Takeaways

Indoor residential electrical distribution boxes typically range from $400 to $3,500 depending on amperage, features, and installation requirements.

Standard Panel Boxes

For a typical 100-amp residential panel, the unit alone usually costs $400–$700, with total installation costs including labor and permits ranging from $600–$1,100. Upgrading to a 200-amp service can cost $1,000–$2,000 for the panel itself, with total installed costs between $1,900–$3,400, depending on service disconnects, meter sockets, and wiring runs. High-end panels with advanced safety features or specialty enclosures can exceed $2,500, with total installed costs well above $3,500.

Subpanels

Adding a subpanel, for example for a garage or workshop, typically costs $250–$350 for the unit, with additional wiring and labor bringing the total to $1,100–$1,350 per panel. Subpanels are useful for expanding circuits without replacing the main service panel.

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Multi-

Gang Switch Boxes

Indoor multi-gang switch boxes are designed to house multiple switches or outlets in one location. Prices vary by size and capacity: 3-gang welded steel box: cubic capacity 65 in^3, weighs 1. 4 lbs, cost per unit varies by supplier.

4-gang welded steel box: cubic capacity 80 in^3, weighs 1. 6 lbs. 6-gang welded steel box: cubic capacity 111 in^3, weighs 1.

5 lbs. These boxes are NEC-compliant, durable, and suitable for vertical mounting in residential applications. Larger capacity boxes are ideal for modern homes with multiple devices at a single location.

Factors Affecting Price

Amperage and number of circuits: Higher amperage panels and more circuits increase cost. Material and construction: Steel or corrosion-resistant enclosures cost more than basic metal or plastic units. Installation complexity: Labor, permits, and accessibility can add hundreds to thousands of dollars.

Advanced features: Smart monitoring, surge protection, and energy management increase upfront costs but improve safety and efficiency. Regional variations: Urban areas often have higher labor rates, affecting total installed cost.

Summary

For a standard residential indoor distribution box, expect $400–$700 for a 100-amp panel and $1,000–$2,000 for a 200-amp panel, with total installed costs ranging from $600 to over $3,500 depending on features, labor, and permits. Subpanels and multi-gang switch boxes provide flexible options for expanding circuits, with prices varying by size and capacity.

Article Content

Distribution Box Cost Guide: Value & Features

Explore distribution box cost factors, safety features, and budget solutions. Learn how to select the right panel for your needs and budget.

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Distribution Box Guide: Types, Components & Solutions

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