

Installation price of electrical distribution boxes

Article Overview

The installation cost of electrical distribution boxes typically ranges from \$150 to \$1,900 depending on box type, size, material, amperage, and labor complexity.

Cost Breakdown

Material Costs:

- Standard residential boxes (single-gang or 4-inch square) range from \$25 to \$180 depending on size, material, and features such as tamper resistance or GFCI compatibility .
 - Multi-gang or deep boxes for complex wiring can increase material costs by 20–40% .
 - Weatherproof or outdoor-rated boxes carry a premium, often \$70–\$450 for junction-style enclosures .
 - Panel boxes for residential service typically cost \$150–\$1,500, with larger or higher-amp units reaching \$1,900 including breakers and wiring .
- #### Labor Costs:
- Labor rates vary by region and project complexity, generally \$85–\$125 per hour for standard residential installations .
 - Simple indoor installations may cost \$100–\$300, while more complex setups with multiple circuits, concrete walls, or limited access can increase labor by 15–30% .
 - Total installation for a standard residential panel box often falls between \$450 and \$1,500, including labor and materials .

Factors Affecting Cost

- **Box Type and Size:** Single-gang, multi-gang, or feed-through boxes influence both material and labor costs.
- **Material:** Plastic boxes are cheaper and easier to install, while metal boxes offer durability and fire resistance, increasing cost .
- **Installation Environment:** Outdoor, wet, or exposed locations require weatherproof enclosures, raising both material and labor expenses .
- **Electrical Capacity:** Higher amperage ratings, additional breakers, or surge protection features increase the overall cost .
- **Code Compliance and Features:** Tamper-resistant outlets, GFCI compatibility, and integration with building management systems can add to installation costs .
- **Accessibility:** Difficult-to-reach locations or installations requiring conduit runs can significantly increase labor time and cost .

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Electrical Box Installation Cost: Price Ranges, Components, and Cost ...

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Top Distribution Box Types Transforming Buildings The electrical equipment landscape has exploded with innovation

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Cost To Replace Electrical Panel – Forbes Home

Subpanels Subpanels provide additional space for circuits beyond the main breaker box, so they can increase your

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