

Price of a household three-level electrical distribution box



Overview

This guide covers cost, price ranges, and practical budgeting for standard electrical box installation projects.

Key Takeaways

The on-site cost for a residential three-level electrical distribution box typically ranges from \$1,200 to \$5,000, depending on amperage, panel type, and installation complexity.

Material Costs: A three-level distribution box, which can accommodate multiple circuits and higher amperage, generally costs between \$450 and \$1,500 for the panel itself, including breakers and wiring for standard residential setups. Premium or weatherproof models with surge protection or smart monitoring can push the material cost higher.

Labor and Installation: Professional installation is essential for safety and code compliance. Labor costs vary by region and complexity, typically adding \$300 to \$2,000 to the total project cost. Factors influencing labor include panel location, accessibility, and whether upgrades like meter-base relocation or outdoor weatherproofing are required.

Permits and Additional Costs: Local permits, inspection fees, and minor wall or conduit adjustments can add \$100–\$500 to the total. Weatherproof or tamper-resistant enclosures, as well as AFCI/GFCI protection, may further increase costs.

Typical Price Scenarios

- Basic Installation: Standard indoor 100–125A panel, straightforward replacement, minimal wiring adjustments: \$1,200–\$2,000 total .
- Mid-Range Installation: 150–200A panel, multiple circuits, moderate labor complexity, possibly semi-outdoor placement: \$2,000–\$3,500 total .
- Premium Installation: High-capacity, weatherproof, smart monitoring, or multi-level panel with complex wiring and safety upgrades: \$3,500–\$5,000 total .

Key Considerations

- Amperage and Circuit Capacity: Higher amperage and more circuits increase both material and labor costs.
- Panel Type and Features: Metal enclosures, waterproofing, surge protection, and modular designs add to the price.
- Installation Complexity: Outdoor placement, relocation of existing wiring, or upgrades to meet code requirements can significantly affect labor costs.
- Regional Variations: Labor rates and permit fees differ by location, so urban areas or regions with higher labor costs may see higher total prices . Investing in a properly sized and professionally installed three-level distribution box ensures enhanced safety, reliable power distribution, and future scalability for your household electrical system.

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