

Price of Distribution Boxes and Control Boxes



Overview

Circuit breakers are grouped in breaker boxes or electrical panels and come in single-pole or double-pole options.

Key Takeaways

Distribution boxes typically range from \$50 to \$1,500 depending on capacity and features, while control boxes vary widely from \$30 to over \$500 based on size, protection, and customization.

Cost Range:

- Residential units: Basic single-phase distribution boxes usually cost \$50–\$200, while more advanced three-phase systems for larger homes or small commercial setups can reach \$300–\$600 .
 - Commercial and industrial units: Larger, high-capacity, or weatherproof distribution boxes can range from \$500 to \$1,500 or more, especially when incorporating smart monitoring, surge protection, or modular designs .
- Factors Affecting Price:
- Voltage and amperage capacity: Higher ratings increase cost.
 - Number of circuits: More circuits require larger enclosures and components.
 - Material and durability: Corrosion-resistant metals or weatherproof plastics add to the price.

- Advanced features: Smart monitoring, remote control, and energy management systems increase upfront costs but can reduce long-term operational expenses .
- Customization: Specific mounting, labeling, or integration with building management systems can further raise costs . Applications: Residential buildings, office complexes, manufacturing facilities, data centers, and outdoor installations often require different specifications, influencing the price .

Control Boxes

Cost Range:

- Standard control boxes for indoor use start around \$30-\$100.
 - Larger or industrial-grade control boxes with dust, water, or chemical protection, and options for mounting switches, emergency stops, or displays, can cost \$200-\$500 or more .
- Factors Affecting Price:
- Protection level: IP-rated enclosures for dust, water, or oil resistance are more expensive.
 - Size and configuration: Larger boxes or multi-compartment designs increase cost.
 - Accessories and customization: Keyed locks, overhanging tops, or ergonomic mounting for controls add to the price .
 - Delivery and OEM options: Custom branding or rapid delivery may influence the final cost .

Summary

When budgeting for electrical installations:

- Residential distribution boxes: \$50-\$200
- Commercial/industrial distribution boxes: \$500-\$1,500+
- Control boxes: \$30-\$500+ depending on size, protection, and features Prices vary based on specifications, materials, and additional features, so obtaining quotes from suppliers or manufacturers is recommended for precise budgeting .

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