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.Distribution Boxes

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.

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• 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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