

Dimensions of Small Electrical Distribution Boxes in Commercial Buildings

Article Overview

Small electrical distribution boxes in commercial buildings typically range from 200 × 200 × 120 mm up to 600 × 400 × 200 mm, depending on the number of devices and wiring requirements.

Standard Sizes

For commercial applications, small electrical distribution boxes are generally wall-mounted enclosures designed to house circuit breakers, switches, or junctions. Typical dimensions include:

- Compact single-gang boxes: around 2" × 3" × 3.5" (50 × 75 × 90 mm), suitable for one device such as a switch or outlet .
- Junction boxes: commonly 4" × 4" (100 × 100 mm) with varying depths from 2" to 4" (50-100 mm), allowing multiple wire splices .
- Small commercial distribution boxes: external dimensions often range from 200 × 200 × 120 mm up to 600 × 400 × 200 mm, providing space for multiple breakers or control devices .
- Multi-gang boxes: double or triple-gang units expand width proportionally to accommodate additional devices, often used in control panels or branch circuit distribution



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Common Electrical Enclosure Sizes

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Compact Distribution Boxes

These distribution boxes are primarily used in electrical distribution panels, control cabinets, and building management systems.

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Distribution Boards

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