

# Price of air wiring method for distribution box



## Article Overview

The cost of installing an air wiring method for a distribution box typically ranges from \$1,200 to \$4,500 for standard residential setups, depending on panel size, wiring length, and labor.

### Distribution Box and Air Switch Costs

A standard residential distribution box includes the main enclosure, MCBs (Miniature Circuit Breakers), RCCBs (Residual Current Circuit Breakers), and air switches. Prices vary based on amperage, number of circuits, and features. For example, a 100-125A indoor panel with basic wiring can cost \$1,200-\$2,000, while a 150-200A outdoor upgrade may reach \$2,800-\$4,500 including labor and permits ( ). Air switches for lighting circuits typically use 10-16A, socket circuits 16-20A, and air conditioning circuits 16-25A ( ).

### Wiring and Installation

The air wiring method involves connecting phase and neutral lines through the main isolator, RCCB, and MCBs, distributing power to subcircuits for lighting, sockets, and appliances ( ). Recommended wire sizes are 2.5mm<sup>2</sup> for lighting and sockets and 2.5-4.0mm<sup>2</sup> for air conditioning circuits ( ). Proper installation includes:

- Correct phase color coding (A-phase yellow, B-phase green, C-phase red)
- Neutral and earth connections to dedicated links...

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