

Two-meter distribution box



Article Overview

A two-meter distribution box is an electrical panel designed to house two separate utility meters, typically rated for 200 amps, with provisions for tenant main breakers and multiple circuit connections.

Overview

A two-meter distribution box, also known as a duplex or multi-family meter main panel, allows a single service entrance to supply power to two separate units or tenants. These panels are commonly used in duplex apartments, small commercial buildings, or multi-family dwellings. They combine metering and circuit distribution in one enclosure, simplifying installation and maintenance while ensuring compliance with electrical codes .

Key Features

- **Amperage Rating:** Most two-meter boxes are rated for 200 amps per meter, with branch circuit ratings typically at 125 amps .
- **Meter Socket Type:** Options include ring-type or ringless sockets, often with a horn bypass for utility access .
- **Phase and Voltage:** Standard configurations are 1-phase, 3-wire, 120/240V .
- **Breaker Compatibility:** Designed to accept plug-on or bolt-on type main tenant breakers, such as Siemens QP series or Eaton BR/CH types .
- **Mounting Options:** Can be surface-mounted or semi-flush, suitable for overhead or underground service feeds .
- **Bus Rating:** Typically 200–400 amps, depending on the model, ensuring safe distri...

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