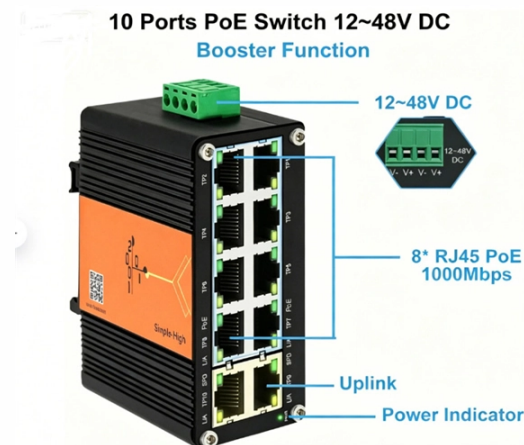


Which side should the ground wire of the distribution box be connected to



AI Overview

The ground wire of a distribution box should be connected to the PE (Protective Earth) bus bar or grounding terminal inside the box, which is then bonded to the main grounding system.

Connection Steps

- **Locate the PE Bus Bar** Open the distribution box and identify the grounding bar, often marked as PE or with a grounding symbol. This is the designated point for connecting all ground wires, including the main power ground and internal component grounds .
- **Connect the Main Ground Wire** Use a yellow-green insulated copper wire of appropriate cross-section. Strip the wire end, insert it into the PE bus bar terminal, and tighten the screw securely to ensure a firm connection . This wire links the distribution box to the building's main grounding system.
- **Ground Internal Components** Any electrical components inside the box that require grounding should also be connected to the PE bus bar using copper wires. This ensures all metal parts are safely bonded and reduces the risk of electric shock .
- **Metal Box Grounding** If the distribution box is metal, it should have a dedicated grounding bolt or screw connected to the PE bus bar. This bonds the enclosure itself to the grounding system, ensuring the entire box is at earth potential .
- **Plastic Box Considerations** For plastic boxes, the box itself does not require grounding. Only the internal components and incoming/outgoing ground wires need to be connected to the PE bus bar or grounding system .
- **Ensure Continuity and Safety** All ground connections should be tight, clearly mark...

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Attach a ground wire from one of the threaded studs (A) at the bottom of the housing, to the mounting plate (B).

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The extra ground wire between the mounting plate and the spindle plate can be omitted in certain applications: If the

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If there's no ground screw in the junction box, there should be a grounding clip to secure the ground wire to the edge

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Size determination, installation method and wiring mode of distribution ...

The distribution box is the central hub of the home circuit and the general control of our daily power consumption. It is an

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