

RIVO MULTITRADE OPTICAL SYSTEMS

How to install a sliding track inside the distribution box



Overview

How to Install and Replace Drawer Track Guides A complete DIY guide to selecting, installing, and precisely aligning drawer track guides for smooth, lastin.

Key Takeaways

Installing a sliding track inside a distribution box involves securely mounting vertical track plates, aligning sliding blocks, and ensuring smooth movement for internal components.

Step 1: Prepare the Distribution Box

- Ensure the box is powered off and disconnected from any electrical supply for safety.
- Choose a dry, accessible location with sufficient space for ventilation and maintenance, typically around 1.5 meters from the floor for residential setups .
- Verify the box has enough internal space to accommodate the sliding track and any modules or components that will move along it.

Step 2: Select and Prepare the Sliding Track

- Use a vertical sliding track plate designed for distribution boxes, which typically includes limiting sliding blocks and bearing adjusting plates for precise alignment .
- Measure the internal width and height of the box to ensure the track fits properly.

- Mark the positions where the track plates will be mounted on the left and right sides of the box.

Step 3: Mount the Track Plates

- Drill pilot holes at the marked positions to prevent splitting or misalignment.
- Secure the sliding track plates vertically using appropriate screws or bolts, ensuring they are plumb and parallel.
- Attach the limiting sliding blocks to the track at the designated positions. These blocks help guide and restrict the movement of internal components .

Step 4: Install Bearing Adjusting Plates

- Fix the bearing adjusting plates in front of the sliding blocks using bolts. These plates allow fine-tuning of the spacing and alignment of the sliding components .
- Ensure the plates are adjustable so that modules can move smoothly without binding.

Step 5: Attach Sliding Components

- Mount the element fixing blocks or modules onto the sliding track, ensuring they are properly seated on the bearing plates .
- Test the movement by sliding the components back and forth to confirm smooth operation and correct alignment.

Step 6: Final Checks and Safety

- Verify that all screws and bolts are tightened securely.
- Ensure there is no interference with wiring, breakers, or other internal components.
- Perform a visual inspection and, if possible, a multimeter test to confirm that no electrical connections are compromised .
- Label the sliding modules for easy identification and future maintenance.

Tips

- Use a level tool to ensure vertical alignment of the tracks.
- Consider modular designs to allow future upgrades or adjustments.
- Keep clearance around the sliding components to prevent overheating and facilitate maintenance. By following these steps, you can safely and efficiently install a sliding track inside a distribution box, allowing for adjustable and organized internal component placement.

Article Content

How to Install a Cable Distribution Box Safely and Correctly?

In modern electrical systems, cable distribution boxes (also known as electrical distribution boxes or distribution

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

