

Orbit BHA-24

Orbit BHA-24 Adjustable Box Bracket Instruction Manual

Model: BHA-24

INTRODUCTION

The Orbit BHA-24 is an adjustable box bracket designed for mounting electrical boxes between studs. This bracket provides a secure and compliant solution for various electrical installations, accommodating different box depths and stud spacing.

SETUP AND INSTALLATION

Follow these steps for proper installation of the Orbit BHA-24 adjustable box bracket:

- Determine Stud Spacing:** Measure the distance between the studs where the electrical box will be mounted. The BHA-24 bracket is adjustable from 17 inches to 26 inches.
- Adjust Bracket Length:** Extend or retract the bracket to match the measured stud spacing. Ensure the bracket is securely locked at the desired length.
- Position the Bracket:** Place the bracket between the studs at the desired height. The ends of the bracket are designed to bend and wrap around the stud for a secure fit.
- Secure to Studs:** Fasten the bracket to the studs using appropriate fasteners (not included). Ensure the bracket is level and firmly attached.
- Mount Electrical Box:** The bracket features notches for mounting electrical boxes. It is compatible with electrical boxes that are 1-1/2 inches or 2-1/8 inches deep. Use self-tapping screws (not included) to secure the electrical box to the bracket's notches.
- Compliance:** This bracket is acceptable for use in 2-hour fire rated walls, conforming to UL514A (UL file E227970). Ensure all local electrical codes and regulations are followed during installation.

OPERATING INSTRUCTIONS

The Orbit BHA-24 is a passive structural component. Once correctly installed and an electrical box is mounted, its function is to securely hold the electrical box in place within the wall cavity. No further operational steps are required after installation.

MAINTENANCE

The Orbit BHA-24 adjustable box bracket requires minimal maintenance. Periodically inspect the installed bracket and electrical box for any signs of loosening, corrosion, or damage. Ensure all fasteners remain tight. If any damage is observed, replace the bracket immediately to maintain structural integrity and safety.

TROUBLESHOOTING

- **Bracket does not fit between studs:** Verify the stud spacing. The bracket is designed for spacing between 17 and 26 inches. If spacing is outside this range, an alternative mounting solution may be required.
- **Electrical box does not attach securely:** Ensure the electrical box depth is either 1-1/2 inches or 2-1/8 inches. Verify that self-tapping screws are used and properly engaged with the bracket's notches.
- **Bracket feels loose after installation:** Re-check all fasteners securing the bracket to the studs and the electrical box to the bracket. Ensure the bracket ends are properly bent and wrapped around the studs for maximum stability.

SPECIFICATIONS

Model Number	BHA-24
Adjustable Length	17 inches to 26 inches
Compatible Box Depths	1-1/2 inches or 2-1/8 inches
Installation Type	Stud-Mounted
Material	Copper (as per product specifications, typically steel for brackets)
Compliance	UL file E227970, conforms to UL514A, acceptable for use in 2-hour fire rated walls
Approximate Weight	9.6 ounces (0.27 kg)
Approximate Dimensions (Package)	20.88 x 2.24 x 0.82 inches (53.04 x 5.69 x 2.08 cm)

WARRANTY INFORMATION

Specific warranty details for the Orbit BHA-24 adjustable box bracket are not provided in this manual. For information regarding product warranty, please contact Orbit customer support or refer to the official Orbit website.

CUSTOMER SUPPORT

For technical assistance, installation questions, or other inquiries regarding the Orbit BHA-24 adjustable box bracket, please contact Orbit customer support. Refer to the product packaging or the official Orbit website for current contact information.