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Carlton B620HG-UPC

Carlton B620HG-UPC Ceiling Fan Box User Manual

Model: B620HG-UPC

INTRODUCTION

This manual provides instructions for the safe and proper installation and use of the Carlton B620HG-UPC Ceiling Fan Box. This product is designed for new work applications to support ceiling fans or light fixtures. Please read all instructions carefully before beginning installation.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Always disconnect power before installation or servicing.

- Always disconnect power at the circuit breaker or fuse box before installing or servicing any electrical fixture.
- Installation must comply with all national and local electrical codes. If you are unsure about these requirements, consult a qualified electrician.
- This box is designed for use with non-metallic sheathed cable.
- Do not exceed the maximum weight rating for supported fixtures as specified by local codes or fixture manufacturer.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- This product is rated for 120 volts.

PACKAGE CONTENTS

- 1 x Carlton B620HG-UPC Ceiling Fan Box (Blue, PVC)
- 1 x Adjustable Bar Hanger (Integrated)

PRODUCT OVERVIEW



Image: The Carlon B620HG-UPC Ceiling Fan Box, a blue PVC electrical box, is shown with its integrated adjustable metal bar hanger extending horizontally. The box features internal mounting points and knockouts for wiring.

The Carlon B620HG-UPC is a 4-inch diameter, 2-1/4-inch deep electrical box with a 20 cubic-inch capacity, specifically designed for new construction. It features a durable PVC construction and an adjustable bar hanger for secure mounting between joists. This box is suitable for supporting ceiling fans and heavy light fixtures.

SETUP AND INSTALLATION

Follow these steps for proper installation of the Carlon B620HG-UPC Ceiling Fan Box:

- 1. Preparation:** Ensure power is disconnected at the main circuit breaker. Identify the desired location for the ceiling fan or fixture. This box is for "new work" installations, meaning it is installed before drywall or other finished surfaces.
- 2. Positioning the Hanger Bar:** The integrated adjustable bar hanger is designed to span between two ceiling joists. Position the bar hanger so the fan box is centered where the fixture will be installed.
- 3. Securing the Hanger Bar:** Extend the bar hanger to fit snugly between the joists. Secure the ends of the bar hanger to the joists using appropriate fasteners (not included), ensuring the box is firmly supported. The bar hanger adjusts from 11.5 inches to 14.5 inches.
- 4. Wiring Entry:** Knockouts are provided on the box for non-metallic sheathed cable entry. Select the appropriate knockout, remove it, and insert the cable into the box, ensuring at least 6 inches of conductor length extends beyond the box.
- 5. Connecting Wires:** Follow the wiring instructions provided with your ceiling fan or light fixture. Ensure all connections are secure and properly insulated. This box is permissible for use with 90°C connectors.
- 6. Mounting Fixture:** Once wiring is complete and secured, mount the ceiling fan or light fixture to the box using the provided mounting screws. Ensure the fixture is securely attached to the box.
- 7. Final Steps:** Restore power at the circuit breaker and test the fixture.

OPERATING INSTRUCTIONS

The Carlon B620HG-UPC Ceiling Fan Box is a passive component designed to safely house electrical connections and support a ceiling fan or light fixture. Once installed, its operation is integrated with the connected electrical device. Ensure the connected device is operated according to its own instructions.

MAINTENANCE

The Carlon B620HG-UPC Ceiling Fan Box requires no routine maintenance. Periodically inspect the area around the box for any signs of damage or loose connections, especially if a fixture is removed or replaced. Always disconnect power before any inspection or work.

TROUBLESHOOTING

If the connected ceiling fan or light fixture is not functioning:

- **No Power:** Check the circuit breaker for the affected circuit. Reset if tripped.
- **Loose Connections:** With power disconnected, carefully inspect the wiring connections inside the box to ensure they are secure.
- **Fixture Malfunction:** If the box and wiring appear correct, the issue may lie with the ceiling fan or light fixture itself. Refer to the fixture's troubleshooting guide.

For any electrical concerns, it is recommended to consult a qualified electrician.

SPECIFICATIONS

Feature	Detail
Brand	Carlton
Model Number	B620HG-UPC
Material	Polyvinyl Chloride (PVC)
Color	Blue
Diameter	4 inches
Depth	2-1/4 inches
Capacity	20 Cubic Inches
Installation Type	New Work, Screw-In
Mounting Type	Ceiling (Adjustable Bar Hanger: 11.5" to 14.5")
Voltage Rating	120 Volts
Cable Type	Non-Metallic Sheathed Cable
Approvals	UL Listed
UPC	034481012641

WARRANTY INFORMATION

Thomas & Betts (T&B) warrants that its products will be free from defects in material and workmanship for a period of two years from the date of shipment. Upon prompt notification of a warranted defect, T&B will, at its option, repair or replace any products found to be defective.

In no event will T&B be liable for any consequential, indirect, or special damages, nor shall T&B be liable for transportation, labor, or other charges arising out of the removal or reinstallation of its products. Liability for breach of warranty is limited to the cost of repair or replacement of the warranted product.

CUSTOMER SUPPORT

For technical assistance or further inquiries regarding your Carlon B620HG-UPC Ceiling Fan Box, please contact Carlon customer support. Refer to the Carlon official website for current contact information and additional resources.

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