

RACO 670RAC

Hubbell-Raco 670RAC Handy Box User Manual

Model: 670RAC | Brand: RACO

1. PRODUCT OVERVIEW

The Hubbell-Raco 670RAC Handy Box is a durable metallic electrical box designed for surface-mount applications. It features a 2-1/8 inch depth and 1/2 inch knockouts, making it suitable for various electrical wiring installations. Its welded construction ensures robust performance and longevity.



Figure 1: Front view of the Hubbell-Raco 670RAC Handy Box, showcasing its metallic construction and knockout locations.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Installation must be performed by a qualified electrician in accordance with all applicable national and local electrical codes.

- Always disconnect power at the circuit breaker or fuse box before installing, servicing, or removing

this product.

- Ensure all wiring connections are secure and properly insulated.
- Do not exceed the maximum wire fill capacity or electrical load ratings for this box.
- Wear appropriate personal protective equipment (PPE), including safety glasses and insulated gloves.
- Inspect the box for any damage before installation. Do not use if damaged.

3. SETUP AND INSTALLATION

The Hubbell-Raco 670RAC Handy Box is designed for surface-mount installation. Follow these steps for proper setup:

1. Preparation:

- Turn off power to the circuit at the main service panel. Verify power is off using a voltage tester.
- Determine the desired mounting location for the handy box.
- Select the appropriate knockouts to be removed based on your wiring needs.

2. Removing Knockouts:

Use a screwdriver and hammer to carefully tap out the desired 1/2 inch knockouts. Ensure clean edges to prevent wire insulation damage.

3. Mounting the Box:

Secure the handy box to the mounting surface using appropriate fasteners (screws, anchors, etc.) through the designated mounting holes. Ensure the box is firmly attached and level.

4. Wiring:

Route electrical wires into the box through the removed knockouts. Use appropriate cable connectors or clamps to secure the wires at the entry points, protecting them from abrasion.

Make all necessary electrical connections inside the box according to local electrical codes and the device manufacturer's instructions. Ensure proper grounding.

5. Cover Installation (if applicable):

Once wiring is complete, install the appropriate cover plate or device (e.g., switch, receptacle) onto the handy box. Ensure the cover is securely fastened.

6. Power Restoration:

After all connections are made and the box is securely closed, restore power at the main service panel.

4. OPERATING INSTRUCTIONS

The Hubbell-Raco 670RAC Handy Box is a passive component designed to house electrical wiring and devices. It does not have operational controls. Its function is to provide a safe enclosure for electrical connections and to protect them from environmental factors and accidental contact.

Ensure that any devices installed within the handy box (e.g., switches, outlets) are operated according to their respective manufacturer's instructions.

5. MAINTENANCE

The Hubbell-Raco 670RAC Handy Box requires minimal maintenance. Periodically inspect the following:

- **Physical Condition:** Check for any signs of corrosion, rust, dents, or other physical damage. Replace the box if significant damage is observed.

- **Secure Mounting:** Ensure the box remains securely fastened to its mounting surface. Tighten fasteners if necessary.
- **Cover Integrity:** Verify that the cover plate or installed device is securely attached and provides a complete enclosure.
- **Wire Integrity:** *(Only if power is off and box is accessible)* Check for any frayed wires, loose connections, or signs of overheating within the box.

Always disconnect power before performing any internal inspection or maintenance.

6. TROUBLESHOOTING

As a passive enclosure, the handy box itself typically does not "malfunction." Most issues related to an electrical box are due to improper installation or issues with the components housed within it.

- **Issue:** Power failure to device housed in the box.
 - **Solution:** Check the circuit breaker. Verify all wire connections inside the box are secure *(power off first!)*. Inspect the device itself for faults.
- **Issue:** Loose box on mounting surface.
 - **Solution:** Tighten mounting screws. If screws are stripped, use larger screws or appropriate anchors.
- **Issue:** Visible damage to the box (e.g., rust, dents).
 - **Solution:** For significant damage that compromises integrity or safety, replace the box. Minor surface rust may be treated if it does not affect structural integrity.

If you are unsure about any electrical troubleshooting, consult a qualified electrician.

7. SPECIFICATIONS

Attribute	Detail
Model Number	670RAC
Brand	RACO (Hubbell-Raco)
Material	Metal
Product Dimensions	2 x 2 x 4 inches
Item Weight	8.78 ounces
Depth	2-1/8 inches
Knockout Size	1/2 inch
Finish Type	Welded
Installation Type	Surface-Mount
Manufacturer	Hubbell-Raco

8. WARRANTY AND SUPPORT

For specific warranty information regarding the Hubbell-Raco 670RAC Handy Box, please refer to the official RACO website or contact Hubbell-Raco customer service directly. Warranty terms typically cover manufacturing defects.

Customer Support:

For technical assistance or product inquiries, please visit the [RACO Store on Amazon](#) or the official Hubbell-Raco website.