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› Hubbell-Raco 260 Square Data Electrical Box Instruction Manual

RACO 260

Instruction Manual: Hubbell-Raco 260 Square Data Electrical Box

Model: 260

1. PRODUCT OVERVIEW

The RACO 260 Square Data Electrical Box is a large capacity solution designed for a variety of electrical installations, including audio, video, data, and power applications. Its generous dimensions provide ample space, particularly for Cat 6A and fiber optic cable bends, ensuring proper cable management and preventing damage. This box is constructed with welded seams for durability and includes ground screws for safe installation. It is also fire-resistance rated for use in 2-hour rated walls, making it suitable for demanding environments.



Figure 1: Front view of the Hubbell-Raco 260 Square Data Electrical Box, showing its large capacity and multiple knockouts.

Key Features:

- **Large Capacity Design:** Measures 4-11/16 inches H x 4-11/16 inches W x 3-1/4 inches D, providing significant internal volume.
- **Versatile Compatibility:** Accepts standard 4-11/16 inch square device and flat covers.
- **Integrated Grounding:** Ground screws are pre-provided for easy and secure electrical grounding.
- **Robust Construction:** Features welded construction for enhanced durability and structural integrity.
- **Fire Resistance:** Acceptable for use in 2-hour rated walls, meeting specific building code requirements.

2. INSTALLATION AND SETUP

Proper installation of the electrical box is crucial for safety and functionality. Always ensure power is disconnected at the circuit breaker before beginning any electrical work. Consult local electrical codes for specific requirements.

Installation Steps:

1. **Prepare the Mounting Location:** Identify the desired location for the electrical box. Ensure there is sufficient space and structural support within the wall or ceiling. Mark the outline of the box.
2. **Cut Opening (if recessed):** If recessing the box, carefully cut an opening in the wall material (e.g., drywall, plaster) according to the marked outline. Ensure the opening is snug to prevent movement.
3. **Mount the Box:** Secure the electrical box to a stud or other structural element using appropriate fasteners. The box features mounting holes for this purpose. Use a drill and screwdriver as needed to firmly attach the box. Some boxes may include integrated nails for wood stud mounting.



Figure 2: Examples of mounting methods and tools for securing the electrical box.

4. **Run Wiring:** Bring the electrical cables into the box through the appropriate knockouts. The RACO 260 box features various knockout sizes for different conduit and cable types. Remove only the necessary knockouts.
5. **Install Devices:** Once the box is securely mounted and wiring is routed, install electrical devices such as outlets or switches. Connect the wires to the device terminals according to wiring diagrams and local codes. Secure the device to the box using the provided screws.



Figure 3: Steps for installing an electrical device into the box.

6. **Attach Cover:** Once all devices are installed and wiring is complete, attach the appropriate 4-11/16 inch square device or flat cover to the box.
7. **Restore Power:** After ensuring all connections are secure and the installation is complete, restore power at the circuit breaker.

3. FUNCTIONALITY AND PURPOSE

The Hubbell-Raco 260 electrical box serves as a protective enclosure for electrical connections and devices. Its primary functions include:

- **Wire Protection:** Shields electrical wires and connections from physical damage, dust, and moisture.
- **Safety:** Contains electrical arcs or sparks in case of a fault, reducing fire hazards.
- **Organization:** Provides a structured environment for terminating and splicing wires, keeping installations neat and accessible.

- **Device Mounting:** Offers a secure and standardized mounting point for switches, outlets, and other electrical devices.
- **Code Compliance:** Helps meet electrical code requirements for safe and proper wiring practices.

4. MAINTENANCE

Electrical boxes generally require minimal maintenance. However, periodic inspection is recommended to ensure continued safety and performance.

Maintenance Guidelines:

- **Visual Inspection:** Periodically inspect the box and its cover for any signs of damage, corrosion, or loose connections.
- **Cleanliness:** Ensure the interior of the box remains free of dust, debris, or moisture, which can compromise electrical integrity.
- **Secure Connections:** If accessible and safe to do so (with power off), check that all wire connections within the box are tight and secure.
- **Environmental Factors:** Address any issues that could lead to excessive heat, moisture, or physical stress on the box.

5. TROUBLESHOOTING

Most issues related to an electrical box stem from improper installation or external factors. If you encounter problems, always prioritize safety and disconnect power before investigating.

Common Issues and Solutions:

- **Loose Devices/Covers:** If devices or covers are loose, ensure mounting screws are properly tightened.
- **Intermittent Power:** This is usually a wiring issue, not the box itself. Check all wire connections within the box and at the device for tightness and proper insulation. Consult a qualified electrician if unsure.
- **Overheating:** If the box or devices within it feel hot, it indicates an overload or loose connection. Immediately disconnect power and have a qualified electrician inspect the circuit and wiring.
- **Physical Damage:** If the box is bent, cracked, or otherwise damaged, it must be replaced to maintain safety and code compliance.

Warning: Electrical work can be dangerous. If you are not confident in your abilities, always consult a licensed electrician.

6. SPECIFICATIONS

Attribute	Value
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Attribute	Value
Model Number	260
Brand	RACO
Material	Copper (likely referring to copper-clad steel or suitable for copper wiring)
Color	Gray
Product Dimensions (D x W x H)	3.25"D x 4.68"W x 4.68"H
Capacity	66.7 Cubic Inches
Finish Type	Powder Coated
Installation Type	Screw-In
Specification Met	UL Listed
Item Weight	15.03 pounds (for pack of 10)
Included Components	4-11/16 in. Square Box, Large Capacity, Welded, 3-1/4 in. Deep, (2) 1/2 in. KO, (4) 1/2 - 3/4 in. TKO, (2) 3/4 - 1 in. TKO, (2) 1 - 1-1/4 in. TKO, (2) 1, 1-1/4, 1-1/2, 2 in. KO

7. WARRANTY INFORMATION

This Hubbell-Raco product is covered by a Limited Warranty. For specific details regarding the terms, conditions, and duration of the warranty, please refer to the documentation provided with your purchase or contact RACO customer support.

8. SUPPORT AND CONTACT

For technical assistance, product inquiries, or warranty claims, please contact RACO customer support through their official website or the contact information provided on the product packaging.

RACO Official Website: [Visit the RACO Store on Amazon](#)

