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## Ocal HUB1-G

# Ocal HUB1-G 1-Inch PVC Coated Hub Instruction Manual

## INTRODUCTION

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This manual provides essential information for the safe and effective installation, operation, and maintenance of the Ocal HUB1-G 1-Inch PVC Coated Hub. The HUB1-G is designed for electrical conduit applications requiring corrosion resistance and a secure connection to enclosures.

## SAFETY INFORMATION

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Always adhere to the following safety guidelines to prevent injury or damage to equipment:

- **Disconnect Power:** Ensure all power to the electrical system is disconnected before beginning any installation or maintenance procedures.
- **Qualified Personnel:** Installation and maintenance should only be performed by qualified electricians in accordance with all national and local electrical codes.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, including safety glasses and gloves, during installation.
- **Inspect Components:** Before installation, inspect all components for any signs of damage. Do not install damaged parts.

## PRODUCT OVERVIEW

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The Ocal HUB1-G is a corrosion-resistant knockout hub featuring robust construction and a protective PVC coating. It is engineered to provide a reliable and sealed connection for 1-inch conduits.

### Key Features:

- **Corrosion Resistance:** Constructed from zinc or copper-free aluminum with a nominal 0.04-inch (40 mil) PVC coating bonded to the exterior.
- **Secure Connection:** Features a hexagonal/splined body and locknut for fast and easy installation.
- **Sealing Integrity:** A captive sealing ring provides a complete 360-degree seal, even when the

conduit is not perfectly perpendicular to the enclosure.

- **Thermoplastic Insulation:** Includes a 1-inch thermoplastic insulated throat.



Figure 1: Top-down view of the Ocal HUB1-G hub, highlighting the internal blue sealing ring and the metal locknut structure.

## SETUP AND INSTALLATION

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Follow these steps for proper installation of the Ocal HUB1-G hub:

1. **Prepare Enclosure:** Ensure the enclosure has a properly sized knockout or threaded opening for a 1-inch conduit.
2. **Thread Hub:** Thread the Ocal HUB1-G hub into the prepared opening of the enclosure.
3. **Secure Locknut:** Hand-tighten the hexagonal/splined locknut onto the hub from the inside of the enclosure.
4. **Final Tightening:** Use an appropriate wrench to firmly tighten the locknut, ensuring a secure connection. The captive sealing ring should compress to create a complete 360-degree seal against the enclosure surface.
5. **Connect Conduit:** Thread the 1-inch conduit into the hub. Ensure the conduit is fully engaged and tightened to prevent movement and maintain the seal.



Figure 2: Angled view of the Ocal HUB1-G, illustrating the threaded interior for conduit connection and the durable PVC exterior.

## OPERATING

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Once correctly installed, the Ocal HUB1-G functions as a permanent, sealed, and corrosion-resistant connection point for electrical conduits to an enclosure. It requires no active operation.

## MAINTENANCE

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The Ocal HUB1-G is designed for minimal maintenance. However, periodic inspection is recommended:

- **Visual Inspection:** Annually inspect the hub and its connection points for any signs of physical damage, cracking of the PVC coating, or corrosion.
- **Seal Integrity:** Verify that the sealing ring remains intact and that the connection to the enclosure is still tight and secure.
- **Cleaning:** If necessary, clean the exterior of the hub with a damp cloth. Avoid abrasive cleaners that could damage the PVC coating.



Figure 3: Side view of the Ocal HUB1-G, displaying the complete profile and threaded conduit connection point.

## TROUBLESHOOTING

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Should issues arise, consider the following:

- **Loose Connection:** If the conduit or hub feels loose, re-tighten the locknut and the conduit connection. Ensure the sealing ring is properly compressed.
- **Signs of Corrosion:** If significant corrosion is observed on the metal components despite the PVC coating, the hub may need to be replaced. Ensure the PVC coating is not compromised.
- **Water Ingress:** If water or moisture is found inside the enclosure at the hub connection, check the tightness of the hub and the integrity of the sealing ring. Re-installation or replacement may be necessary.

## SPECIFICATIONS

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Specification	Detail
Model Number	HUB1-G
Thread Size	1-Inch
Thread Type	NPT
Material	Zinc or Copper-Free Aluminum with PVC Coating
Coating Thickness	Nominal 0.04-Inch (40 mil) PVC
Overall Diameter	Approximately 2 inches
Connector Type	Screw
Item Weight	2 pounds
UPC	704508388164

## WARRANTY INFORMATION

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Please note that the manufacturer's specifications indicate **No Warranty** for this product. For details regarding return policies, please refer to your point of purchase.

## SUPPORT

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For technical assistance or further inquiries regarding the Ocal HUB1-G 1-Inch PVC Coated Hub, please contact your distributor or the manufacturer directly. Ensure you have the model number (HUB1-G) available when seeking support.