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› Hoffman A14N124 Type 1 Hinged Cover Enclosure Instruction Manual

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Model: A14N124

1. INTRODUCTION

This manual provides essential instructions for the safe and proper installation, operation, and maintenance of the Hoffman A14N124 Type 1 Hinged Cover Enclosure. This enclosure is designed to house electrical and electronic components, providing protection against falling dirt in indoor environments. Please read this manual thoroughly before proceeding with installation or use.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the product:

- **Qualified Personnel:** Installation and maintenance should only be performed by qualified and authorized personnel familiar with electrical installations and local codes.
- **Power Disconnection:** Ensure all power to the area where the enclosure is being installed or serviced is disconnected and locked out before beginning work.
- **Proper Tools:** Use appropriate tools for installation to avoid damage to the enclosure or injury.
- **Environmental Suitability:** This enclosure is rated Type 1 (NEMA 1) and IP30, suitable for indoor use primarily to protect against falling dirt. Do not install in outdoor environments or areas with excessive moisture, corrosive agents, or hazardous dust.
- **Grounding:** Ensure proper grounding of the enclosure in accordance with local electrical codes.
- **Weight:** The enclosure may be heavy. Use proper lifting techniques or assistance to prevent injury.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- Hoffman A14N124 Enclosure with Hinged Cover
- Mounting hardware (e.g., screws, washers - quantity may vary)



Figure 1: Hoffman A14N124 Type 1 Hinged Cover Enclosure. This image shows the steel enclosure with its hinged cover closed, displaying its gray finish and compact design.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the enclosure:

1. **Choose Location:** Select a suitable indoor location that is clean, dry, and free from excessive dust or moisture. Ensure adequate space for opening the hinged cover and for future maintenance.
2. **Mark Mounting Points:** Hold the enclosure against the mounting surface at the desired height and position. Mark the locations for the mounting holes using a pencil or marker. Alternatively, use a template if provided.
3. **Drill Pilot Holes:** Drill pilot holes at the marked locations, ensuring the drill bit size is appropriate for the mounting hardware being used.
4. **Mount Enclosure:** Secure the enclosure to the mounting surface using the provided or appropriate mounting hardware (e.g., screws, anchors). Ensure the enclosure is level and securely fastened.

- 5. **Cable Entry:** If routing cables, use appropriate cable glands or conduit fittings for any knockouts or entry points to maintain the enclosure's integrity and NEMA/IP rating. Ensure all openings are properly sealed.
- 6. **Install Components:** Install internal electrical or electronic components as required. Ensure proper spacing and ventilation if necessary.
- 7. **Grounding:** Connect the enclosure to a reliable earth ground in accordance with local electrical codes.
- 8. **Close Cover:** Once all internal work is complete, close the hinged cover and secure it firmly using the latches or screws provided to ensure a proper seal.

5. OPERATION

The Hoffman A14N124 enclosure is a passive protective housing. Its primary operation involves ensuring the hinged cover is properly closed and secured to maintain the specified environmental protection.

- **Opening the Cover:** To access the interior, unlatch or unscrew the cover fasteners and gently open the hinged cover.
- **Closing the Cover:** After accessing the interior, ensure no wires or obstructions prevent the cover from closing completely. Close the cover firmly and secure all latches or screws to ensure a tight seal. This is crucial for maintaining the enclosure's Type 1 and IP30 ratings.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and protective capabilities of your enclosure:

- **Cleaning:** Periodically clean the exterior of the enclosure with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Inspection:** Regularly inspect the enclosure for any signs of damage, corrosion, or loose fasteners. Check the integrity of the hinged cover and its sealing mechanism.
- **Hinges:** If the hinges become stiff, apply a small amount of appropriate lubricant to ensure smooth operation.
- **Seals:** Although a Type 1 enclosure has minimal sealing requirements, ensure the cover closes flush. If any gasketing is present, inspect it for cracks or deterioration and replace if necessary.

7. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Cover does not close properly.	Obstruction inside the enclosure; bent hinge; damaged cover.	Check for internal obstructions. Inspect hinges for damage and repair/replace if necessary. If the cover is damaged, contact Hoffman support.
Enclosure appears loose on mounting surface.	Loose mounting hardware; improper installation.	Tighten all mounting screws. Ensure appropriate anchors were used for the wall material. Re-install if necessary.
Signs of rust or corrosion.	Exposure to moisture or corrosive agents; damaged finish.	Ensure the enclosure is in a suitable indoor environment. Clean and apply rust-inhibiting paint if the finish is compromised. Consider a higher-rated enclosure if environmental conditions are severe.

8. SPECIFICATIONS

Feature	Detail
Model Number	A14N124
Type	Type 1 Enclosure, Hinged Cover
Dimensions (H x W x D)	14 in x 12 in x 4 in (35.56 cm x 30.48 cm x 10.16 cm)
Material	Steel
Finish	Gray
IP/NEMA Rating	NEMA 1, IP30
Manufacturer	Hoffman

9. WARRANTY AND SUPPORT

For specific warranty information and technical support, please refer to the official Hoffman website or contact Hoffman customer service directly. Details regarding warranty periods and terms are typically provided with the product purchase documentation or available online.

Hoffman Contact Information: Please visit www.hoffman.com for the latest contact details and support resources.

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