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> Rittal AX Compact Enclosure Model 1058000 User Manual

Rittal 1058000

Rittal AX Compact Enclosure

MODEL 1058000 USER MANUAL

IMPORTANT SAFETY INFORMATION

CAUTION: This enclosure contains electrical components. Always follow proper safety procedures when installing, using, or maintaining. Do not attempt to service while energized. Wear appropriate personal protective equipment (PPE).

Read this manual thoroughly before installation and operation. Keep this manual for future reference. Failure to follow these instructions may result in equipment damage, personal injury, or death.

PRODUCT OVERVIEW

The Rittal AX Compact Enclosure Model 1058000 is designed for housing electrical and electronic components, providing protection against environmental factors. It features a robust metal construction and meets NEMA 12 specifications, ensuring protection against dust, dirt, and dripping non-corrosive liquids.



Image: Front view of the Rittal AX Compact Enclosure, showcasing its high-gloss finish and robust design.

SETUP

1. Unpacking

- Carefully remove the enclosure from its packaging.
- Inspect the enclosure for any signs of damage during transit. Report any damage to the carrier immediately.
- Verify all components listed in the packing slip are present.

2. Mounting

The enclosure can be wall-mounted or stand-mounted. Ensure the mounting surface is capable of supporting the total weight of the enclosure and its contents.



Image: Rear view of the Rittal AX Compact Enclosure, highlighting the designated mounting points for secure installation.

1. Determine the desired mounting location.
2. Mark the drilling points using the enclosure's mounting holes as a template.
3. Drill appropriate holes for your chosen fasteners.
4. Securely attach the enclosure to the mounting surface using suitable hardware (not included).
5. Ensure the enclosure is level and plumb.

3. Internal Component Installation

Before installing components, ensure the enclosure is de-energized and all safety precautions are observed.



Image: Rittal AX Compact Enclosure with the door open, revealing the internal mounting plate and space for component installation.

- Open the enclosure door using the provided key.
- Install internal mounting plates, rails, or other accessories as required for your components.
- Mount electrical and electronic components securely within the enclosure.
- Route all wiring neatly and ensure proper strain relief.

OPERATING

1. Accessing the Enclosure

- To open the door, insert the key into the lock and turn.
- To close the door, swing it shut and turn the key to lock it. Ensure the door is fully sealed to maintain the enclosure's protective rating.

2. Cable Entry

Utilize the designated cable entry points, typically located at the bottom or sides of the enclosure. Ensure proper cable glands or conduit fittings are used to maintain the NEMA 12 rating.

- Select appropriate cable glands for the cable diameter.
- Install cable glands into the pre-punched or drilled openings.
- Pass cables through the glands and tighten them to ensure a secure, watertight seal.

MAINTENANCE

1. Cleaning

- Regularly clean the exterior of the enclosure with a soft, damp cloth.
- Avoid abrasive cleaners or solvents that could damage the high-gloss finish.
- For internal cleaning, ensure the power is disconnected. Use a dry, lint-free cloth or a vacuum cleaner to remove dust and debris.

2. Inspection

- Periodically inspect the door gasket for signs of wear or damage. Replace if necessary to maintain the NEMA 12 rating.
- Check all mounting hardware for tightness.
- Inspect cable glands and conduit fittings for secure connections and seals.
- Verify that all internal components are securely mounted and wiring is intact.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Door does not close properly	Obstruction in the door frame; damaged hinge; misaligned latch.	Check for obstructions. Inspect hinges and latches for damage or misalignment. Adjust or replace as needed.
Water or dust ingress	Damaged or improperly seated door gasket; loose cable glands; unsealed openings.	Inspect and replace door gasket if damaged. Tighten all cable glands and ensure all unused openings are properly sealed.
Enclosure feels unstable after mounting	Loose mounting hardware; inadequate mounting surface.	Tighten all mounting bolts. Verify the mounting surface is structurally sound and capable of supporting the load.

SPECIFICATIONS

Feature	Detail
Model Number	1058000
Brand	Rittal
Material	Metal
Finish Type	High-Gloss
Specification Met	NEMA 12
UPC	639889914728
ASIN	B0G1CQVR34

WARRANTY AND SUPPORT

For specific warranty information regarding the Rittal AX Compact Enclosure Model 1058000, please refer to the official Rittal website or contact Rittal customer service directly. Warranty terms and conditions may vary by region and purchase date.

For technical support, spare parts, or further assistance, please visit the [Rittal Store on Amazon](#) or the official Rittal corporate website.