

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

### Manuals.plus /

› [ALTech](#) /

› ALTech TK Series Enclosure User Manual

## ALTech ARALL-70075163

# ALTech TK Series Enclosure User Manual

Model: ARALL-70075163

## PRODUCT OVERVIEW

The ALTech TK Series Enclosure, model ARALL-70075163, is a robust box-lid enclosure designed for various applications requiring protection for internal components. Constructed from durable polystyrene, this gray enclosure measures 4.33x4.33x2.6 inches and boasts an IP66 and NEMA 12K rating, ensuring high resistance against dust and water ingress.



Figure 1: Front view of the ALTech TK Series Enclosure (Model ARALL-70075163) with its transparent lid, showcasing its compact and sturdy design.

## SAFETY INFORMATION

- Always disconnect power before installing or servicing the enclosure.
- Ensure proper grounding according to local electrical codes.
- Do not exceed the specified environmental ratings (IP66, NEMA 12K).
- Use appropriate tools for installation to prevent damage to the enclosure or components.
- Keep the enclosure lid securely fastened to maintain its protective rating.

## SETUP AND INSTALLATION

---

Follow these steps for proper setup and installation of your ALTech TK Series Enclosure:

1. **Unpacking:** Carefully remove the enclosure from its packaging. Inspect for any visible damage.
2. **Mounting Location:** Select a suitable mounting location that is clean, dry, and within the specified temperature range for the enclosure. Ensure adequate space for wiring and access.
3. **Drilling (if necessary):** If mounting holes or cable entries are not pre-drilled, mark and drill them carefully. Ensure that any drilled holes are properly sealed to maintain the IP/NEMA rating. Use appropriate hole saws or drills for polystyrene.
4. **Mounting:** Secure the enclosure to the chosen surface using appropriate fasteners (screws, bolts) through the designated mounting points. Ensure the enclosure is level and securely attached.
5. **Component Installation:** Install internal components (e.g., circuit boards, terminals) within the enclosure. Utilize mounting bosses or rails if available.
6. **Wiring:** Route all necessary wiring into the enclosure through sealed cable glands or conduits. Ensure all connections are secure and properly insulated.
7. **Lid Closure:** Once all components are installed and wired, securely close the lid. Ensure the gasket is properly seated to maintain the environmental seal. Tighten all lid screws evenly.

## OPERATING INSTRUCTIONS

---

The ALTech TK Series Enclosure is a passive protective device. Its operation is primarily defined by the components housed within it. Ensure that all internal components are operating within their specified parameters and that the enclosure remains sealed.

- **Environmental Conditions:** Operate the enclosure within its specified temperature and humidity ranges. Avoid exposing it to corrosive substances or extreme mechanical stress.
- **Lid Security:** Periodically check that the lid is securely fastened and that all screws are tight to maintain the IP66/NEMA 12K rating.
- **Cable Gland Integrity:** Verify that all cable glands or conduit connections are tight and properly sealed to prevent moisture or dust ingress.

## MAINTENANCE

---

Regular maintenance ensures the longevity and protective integrity of your enclosure.

- **Cleaning:** Clean the exterior of the enclosure periodically with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the polystyrene material.
- **Gasket Inspection:** Annually inspect the lid gasket for signs of wear, cracking, or deformation. Replace the gasket if its integrity is compromised to maintain the environmental seal.
- **Screw Tightness:** Check and re-tighten lid screws and mounting screws as needed to ensure a secure fit.
- **Damage Check:** Visually inspect the enclosure for any cracks, chips, or other physical damage that could compromise its protective rating. Replace the enclosure if significant damage is found.

## TROUBLESHOOTING

---

This section addresses common issues related to the enclosure's protective function.

Problem	Possible Cause	Solution
Water/Dust ingress	Lid not properly sealed; Damaged gasket; Loose cable glands; Improperly sealed drilled holes.	Ensure lid screws are tightened evenly. Inspect and replace gasket if damaged. Tighten cable glands. Seal all drilled holes with appropriate sealants.
Lid difficult to close	Gasket misaligned or swollen; Internal components obstructing closure.	Check gasket alignment and condition. Ensure internal components are not interfering with lid closure.
Enclosure not securely mounted	Loose mounting screws; Inadequate fasteners for surface.	Re-tighten mounting screws. Use appropriate fasteners for the mounting surface and weight of contents.

## SPECIFICATIONS

Feature	Detail
Brand	ALTech
Model Number	ARALL-70075163
Material	Polystyrene
Color	Gray (Enclosure body), Clear (Lid)
Dimensions (LxWxH)	4.33 x 4.33 x 2.6 inches (110 x 110 x 66 mm)
Protection Rating	IP66, NEMA 12K
Manufacturer	Altech Corp.

## WARRANTY AND SUPPORT

For warranty information and technical support, please contact ALTech customer service. Details regarding specific warranty periods and terms are typically provided with your purchase documentation or can be found on the official ALTech website.

When contacting support, please have your product model number (ARALL-70075163) and purchase date available.

**ALTech Official Website:** [www.altechcorp.com](http://www.altechcorp.com) (Note: This is a placeholder URL as no specific support link was provided in the input data. Please refer to your product's official documentation for the correct support contact.)