Mollom HT-3

MOLLOM HT-3 3-Way MCB Distribution Protection Box User Manual

Model: HT-3 | Brand: Mollom

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your MOLLOM HT-3 3-Way MCB Distribution Protection Box. Please read these instructions carefully before use and retain them for future reference. This product is designed to house Miniature Circuit Breakers (MCBs) and provide protection for electrical distribution in various environments.

2. Safety Information

WARNING: Electrical work should only be performed by qualified personnel. Failure to follow these safety instructions can result in electric shock, fire, or serious injury.

- Always disconnect power at the main supply before installing, servicing, or performing any work on the distribution box or connected circuits.
- Ensure all wiring complies with local and national electrical codes and regulations.
- Do not open the enclosure or attempt repairs if the product is damaged. Contact qualified service personnel.
- Verify the IP65 rating is maintained after installation by ensuring all cable glands and the cover are properly sealed.
- Do not exceed the maximum current or voltage ratings of the installed MCBs or the enclosure.

3. Package Contents

Verify that all items are present in the package:

- 1 x MOLLOM HT-3 3-Way MCB Distribution Protection Box
- 4 x Expansion Screws for mounting
- 2 x Waterproof Cable Glands

4. Specifications

Model	HT-3

Brand	Mollom
Dimensions (L x W x H)	80 x 95 x 160 mm (3.1 x 3.7 x 6.3 inches)
Material	PC+ABS Alloy
IP Rating	IP65 (Dust-tight and protected against water jets)
Impact Resistance	IK08
Number of Modules	3-Way
Weight	266 Grams



Figure 1: Product Dimensions

5. Setup and Installation

Before beginning installation, ensure the main power supply is OFF.

1. **Mounting the Enclosure:**
    - Select a suitable mounting location, ensuring it is flat and stable.
    - Use the provided expansion screws to securely fasten the distribution box to the wall. Mark the drilling points using the box as a template.



Figure 2: Internal Mounting Points

2. **Cable Entry:**
    - Carefully punch out the desired cable entry points on the enclosure.
    - Install the provided waterproof cable glands into the entry points. Ensure a tight seal to maintain the IP65 rating.



Figure 3: Cable Entry Points

3. **MCB and Wiring Installation:**
    - Open the transparent cover of the distribution box.
    - Install your 3-way Miniature Circuit Breakers (MCBs) onto the integrated DIN rail.
    - Route the electrical cables through the cable glands and connect them to the MCBs according to your electrical diagram. Ensure all connections are secure and properly insulated.
    - The enclosure includes a latex sealing ring. Ensure this ring is correctly seated to maintain waterproof integrity when closing the cover.



Figure 4: Interior with DIN Rail



Figure 5: Latex Sealing Ring

4. **Final Steps:**
    - Once all wiring is complete and checked, close the transparent cover and ensure it latches securely.
    - Restore power to the main supply.

6. Operating Instructions

The MOLLOM HT-3 distribution box is a passive enclosure designed to protect your MCBs. Operation primarily involves managing the MCBs installed within it.

- **Accessing MCBs:** To access the MCBs, unlatch and open the transparent front cover.
- **MCB Operation:** Operate the MCBs (ON/OFF) as per their individual instructions. The transparent cover allows visual inspection of MCB status without opening the box.
- **Environmental Protection:** The IP65 rating ensures protection against dust and water, making it suitable for outdoor and harsh indoor environments. The robust PC+ABS material provides IK08 impact resistance and protection against sun exposure.



Figure 6: IP65 Waterproof Protection



Figure 7: Dust and Sun Protection

7. Maintenance

Regular maintenance ensures the longevity and continued protection offered by your MOLLOM distribution box.

- **Cleaning:** Clean the exterior of the box periodically with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the transparent cover remains clear for visibility.
- **Seal Inspection:** Annually inspect the latex sealing ring and cable glands for any signs of wear, cracking, or damage. Replace if necessary to maintain the IP65 rating.
- **Connection Check:** Periodically, with power disconnected, open the box and check all electrical connections for tightness. Loose connections can cause overheating and fire hazards.
- **Physical Damage:** Inspect the enclosure for any physical damage, cracks, or deformation. If significant damage is found, the enclosure's protective capabilities may be compromised, and it should be replaced.

8. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Water or dust inside the enclosure	Improperly sealed cover or cable glands; damaged sealing ring.	Ensure cover is latched correctly. Tighten cable glands. Inspect and replace the sealing ring if damaged.
MCBs not functioning correctly	Faulty MCB; incorrect wiring; overload.	Check MCB for damage. Verify wiring connections. Ensure the circuit load does not exceed MCB rating. Consult an electrician.
Enclosure appears loose on wall	Mounting screws are loose or improperly installed.	Tighten mounting screws. If necessary, remount the box using appropriate anchors for the wall material.

9. Warranty and Support

MOLLOM products are designed for performance and durability. While specific warranty details are not provided in this manual, please refer to your purchase documentation or the retailer for warranty information.
For technical support or inquiries, please contact your point of purchase or visit the official Mollom website for contact information. Always provide your product model (HT-3) and purchase details when seeking support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question