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Mollom HT-2

MOLLLOM HT-2 2-Way Circuit Breaker Distribution Box User Manual

Model: HT-2 | Brand: Mollom

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your MOLLLOM HT-2 2-Way Circuit Breaker Distribution Box. Please read this manual thoroughly before use and retain it for future reference. This distribution box is designed to house miniature circuit breakers (MCBs) for electrical circuit protection in various indoor and outdoor applications.

2. SAFETY INFORMATION

WARNING: Electrical work should only be performed by qualified and licensed electricians. Failure to follow these 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.
- Verify that the voltage and current ratings of the circuit breakers and wiring are appropriate for the application.
- Do not install the distribution box in locations where it may be exposed to excessive heat, corrosive substances, or flammable materials.
- Ensure all connections are tight and secure to prevent loose contacts and overheating.
- Keep the distribution box cover securely closed to maintain its protective rating.

3. PRODUCT OVERVIEW

The MOLLLOM HT-2 2-Way Circuit Breaker Distribution Box is constructed from a durable PC+ABS alloy material, offering robust protection for your electrical components. It features an IP65 waterproof rating, making it suitable for both indoor and outdoor environments, and an IK08 impact resistance rating for enhanced durability.



Front view of the MOLLOM HT-2 2-Way Circuit Breaker Distribution Box, showcasing its compact design and clear protective cover.

Key Features:

- **Robust Construction:** Made from high-quality PC+ABS alloy material.
- **Weather Protection:** IP65 rated for dust and water ingress, suitable for indoor and outdoor use.
- **Impact Resistance:** IK08 rating provides protection against mechanical impact.
- **Clear Viewing Window:** Allows for easy monitoring of circuit breaker status without opening the box.
- **Integrated DIN Rail:** Pre-installed for convenient mounting of miniature circuit breakers.
- **Compact Design:** Dimensions of 60x95x125 MM (2.4x3.7x4.9 IN) for space-efficient installation.

PRODUCT SIZE



Diagram illustrating the dimensions of the MOLLOM HT-2 2-Way Circuit Breaker Distribution Box: 60mm (2.4 in) width, 95mm (3.7 in) depth, and 125mm (4.9 in) height.

WATERPROOF: IP66

SUITABLE FOR INDOOR AND OUTDOOR



The MOLLOM HT-2 Circuit Breaker Box shown in a wet environment, highlighting its IP65 waterproof design suitable for both indoor and outdoor use.

DUST AND SUN PROTECTION

PROTECTION TO THE SMALLEST DETAIL
NO NEED TO WORRY ABOUT TYPHOONS OR SANDSTORMS



Image depicting the MOLLOM HT-2 Circuit Breaker Box in a dusty, sunny environment, emphasizing its robust protection against environmental elements.



An internal view of the MOLLUM HT-2 Circuit Breaker Box, illustrating the waterproof latex seal and the pre-installed DIN rail for mounting circuit breakers.

CONTAINS LATEX RINGZ

Waterproof latex



A top-down internal view of the MOLLOM HT-2 Circuit Breaker Box, clearly showing the integrated DIN rail for secure installation of miniature circuit breakers.

4. SETUP AND INSTALLATION

The MOLLOM HT-2 distribution box is designed for straightforward installation. Ensure all safety precautions are followed before beginning.

4.1 Tools and Materials Required:

- Drill and appropriate drill bits
- Screwdriver set
- Wire strippers/cutters
- Measuring tape and pencil
- Personal protective equipment (PPE) such as safety glasses and gloves
- Appropriate circuit breakers (not included)

4.2 Mounting the Box:

1. Select a suitable mounting location that is clean, dry, and easily accessible, away from direct sunlight if

possible, and protected from physical damage.

2. Use the provided expansion screws to securely mount the back plate of the distribution box to a solid surface. Mark the drilling points using the box as a template.
3. Drill holes at the marked locations and insert the expansion screws.
4. Attach the back plate of the box to the wall using the screws.

4.3 Wiring and Component Installation:

1. Identify the desired cable entry points. The box features knockouts for cable glands. Drill holes for conduit or cable connectors as needed.
2. Install the provided waterproof connectors or other suitable cable glands into the drilled holes to maintain the IP65 rating.
3. Mount your 2-way miniature circuit breakers onto the pre-installed DIN rail. Ensure they snap securely into place.
4. Connect the incoming power supply wires to the appropriate terminals of the circuit breakers.
5. Connect the outgoing load wires from the circuit breakers to their respective circuits.
6. Utilize the integrated neutral and ground buss bars for proper wiring termination. Ensure all connections are tight.
7. After all wiring is complete and verified, close the clear protective cover and secure it.

5. OPERATION

Once installed and wired correctly, the MOLLUM HT-2 distribution box provides a protective enclosure for your circuit breakers.

- **Circuit Monitoring:** The clear viewing window allows for visual inspection of the circuit breaker status (ON/OFF) without needing to open the enclosure.
- **Access:** The hinged clear cover can be opened to access the circuit breakers for manual operation (switching ON/OFF) or maintenance.
- **Security:** The cover is designed to support a small padlock (not included) for added security, preventing unauthorized access to the circuit breakers.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your distribution box.

- **Periodic Inspection:** Regularly inspect the box for any signs of physical damage, cracks, or loose components. Check the integrity of the waterproof seals.
- **Cleaning:** Clean the exterior of the box with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the PC+ABS alloy material or the clear cover.
- **Connection Check:** Periodically, with power disconnected, check all electrical connections inside the box to ensure they remain tight and secure.
- **Seal Integrity:** Ensure the waterproof latex ring and other seals are intact and free from debris to maintain the IP65 rating.

7. TROUBLESHOOTING

If you encounter issues, consider the following general troubleshooting steps. For complex electrical problems, consult a qualified electrician.

- **No Power to Circuit:**

- Check if the corresponding circuit breaker is in the 'ON' position.
- If the breaker has tripped, reset it. If it trips again immediately, there may be an overload or short circuit in the connected load.
- Verify the main power supply to the distribution box is active.

- **Water or Dust Ingress:**

- Ensure the cover is properly closed and latched.
- Inspect the waterproof seals and cable glands for damage or improper installation. Replace if necessary.

- **Loose Connections:**

- With power disconnected, carefully inspect all wiring connections within the box and tighten any loose terminals.

8. SPECIFICATIONS

Feature	Specification
Model Number	HT-2
Number of Ways/Circuits	2
Dimensions (L x W x H)	60 x 95 x 125 MM (2.4 x 3.7 x 4.9 IN)
Material	PC+ABS Alloy
IP Rating	IP65 (Waterproof and Dustproof)
Impact Resistance	IK08
Phase Type	Single Phase
Mounting Type	Wall Mount
UL Report No.	ATJC24060780004800S

9. PACKAGE CONTENTS

The following items are included in your MOLLUM HT-2 2-Way Circuit Breaker Distribution Box package:

- 1 x MOLLUM HT-2 2-Way Power Distribution Protection Box
- 4 x Expansion Screws (for mounting)
- 2 x Waterproof Connectors (for cable entry)

10. WARRANTY AND SUPPORT

MOLLUM products are manufactured to high-quality standards. For specific warranty details or technical support, please refer to the product packaging or contact your retailer. Keep your purchase receipt as proof of purchase.

