

ChiliTec 23237

ChiliTec MILOS Toggle Switch IP44 Instruction Manual

Model: 23237

1. INTRODUCTION

This document provides instructions for the installation, operation, and maintenance of the ChiliTec MILOS Toggle Switch IP44, model 23237. This switch is designed for use in various environments, including those requiring IP44 protection against splashing water and foreign objects. It features a robust design suitable for areas such as bathrooms, basements, kitchens, and outdoor covered spaces.

2. PRODUCT OVERVIEW

The ChiliTec MILOS Toggle Switch IP44 is a durable electrical switch designed for reliable performance in challenging conditions. Key features include:

- **IP44 Rating:** Provides protection against splashing water and solid objects larger than 1mm, making it suitable for wet rooms and outdoor covered areas.
- **Practical Rubber Cover:** Ensures optimal protection against environmental elements.
- **Pre-assembled Unit:** Includes a 1-way frame for conventional flush-mounted boxes (Ø 68 mm).
- **Easy Installation:** Features screw connections for secure wiring and wall mounting via claws.
- **Sealing:** Supplied with a rubber seal that can be trimmed to fit the mounting location for enhanced protection.

2.1 Included Components

The package typically includes:

- 1x Toggle Switch Module
- 1x 1-way Frame
- 1x Rocker/Toggle
- 1x Rubber Sealing Gasket



Figure 1: Front view of the ChiliTec MILOS Toggle Switch IP44, showing the white matt finish and the toggle rocker.

3. SETUP AND INSTALLATION

WARNING: Electrical installation should only be performed by qualified personnel. Ensure the main power supply is switched off before commencing any installation work to prevent electric shock.

3.1 Tools Required

- Screwdriver set (flathead and Phillips)
- Wire strippers
- Voltage tester
- Utility knife (for trimming seal)

3.2 Installation Steps

1. **Prepare the Installation Site:** Ensure the flush-mounted box is clean and free from debris. The switch is designed

for conventional flush-mounted boxes with a diameter of 68 mm.

2. **Power Disconnection:** Turn off the main power supply at the circuit breaker or fuse box before proceeding. Verify with a voltage tester that no power is present at the wiring.
3. **Wiring Connections:** The switch uses screw terminals for wiring. Connect the live (phase) and switched live wires to the appropriate terminals. For a 2-way switch, typically three terminals are used: common, L1, and L2. Refer to local electrical codes and wiring diagrams for correct connections.
4. **Mounting the Switch Module:** Carefully insert the wired switch module into the flush-mounted box. Secure it using the integrated claws or screws provided with the box.
5. **Apply Sealing:** The included rubber seal provides enhanced IP44 protection. Position the seal around the switch module. If necessary, trim the seal to ensure a snug fit against the wall surface and the frame.
6. **Attach the Frame and Rocker:** Place the 1-way frame over the switch module and secure it. Then, attach the toggle rocker onto the switch mechanism.
7. **Test Functionality:** Once installation is complete, restore power at the circuit breaker. Test the switch to ensure it operates correctly.



Figure 2: Side view illustrating the depth of the switch module and potential connection points.

4. OPERATING INSTRUCTIONS

The ChiliTec MILOS Toggle Switch IP44 operates as a standard 2-way toggle switch. To operate:

- Press the top or bottom of the rocker to change the state of the connected electrical circuit (e.g., turn a light on or off).
- The switch maintains its position until manually toggled again.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and proper function of your switch.

- **Cleaning:** Clean the surface of the switch with a soft, damp cloth. Avoid abrasive cleaners or solvents, as these can damage the finish or the rubber seal.
- **Inspection:** Periodically inspect the rubber seal for any signs of wear, cracking, or damage, especially if installed in a wet environment. A damaged seal may compromise the IP44 rating.
- **Tightness:** Ensure the switch remains securely mounted to the wall. Loose connections can lead to electrical hazards.

6. TROUBLESHOOTING

If you encounter issues with your ChiliTec MILOS Toggle Switch IP44, consider the following:

- **Switch Not Functioning:**
 - Check if the main power supply to the circuit is active.
 - Verify that all wiring connections are secure and correctly terminated. Loose wires can prevent operation.
 - Ensure the connected appliance or light bulb is functional.
- **Intermittent Operation:**
 - This could indicate a loose connection. Disconnect power and re-check all wiring terminals.
 - Inspect the switch mechanism for any physical obstructions or damage.

If problems persist after checking these points, it is recommended to consult a qualified electrician for further diagnosis and repair.

7. SPECIFICATIONS

Feature	Detail
Brand	ChiliTec
Model Number	23237
ASIN	B08CZFX8HS
Protection Class	IP44
Switch Type	2-way Toggle Switch
Voltage	250V~

Feature	Detail
Amperage Capacity	10 Amps
Wattage	1000 watts
Material	Plastic
Color	White (matt)
Product Dimensions	8 x 8 x 2.5 cm
Weight	90 g
Installation Method	Flush-mounted (UP), Screw connection, Wall mounting over claws
Certification	CE

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your ChiliTec MILOS Toggle Switch IP44, please refer to the purchase documentation or contact the retailer from whom the product was purchased. You may also contact the manufacturer, ChiliTec GmbH, directly for assistance.
Manufacturer: ChiliTec GmbH

