

OUMIFAND OUMIFAND FMS01

User Manual for FMS01 Automatic Reset Micro-switch

Model: OUMIFAND FMS01 | Brand: OUMIFAND

1. PRODUCT OVERVIEW

The OUMIFAND FMS01 is an automatic reset micro-switch designed for various applications, including use as a push button for the FFS01 foot switch. This compact and reliable component provides momentary contact functionality, returning to its original state once the pressure is released.



Figure 1.1: Front view of the FMS01 automatic reset micro-switch. This image shows the transparent housing and the central push-button mechanism.



Figure 1.2: Top view of the FMS01 micro-switch. This perspective highlights the two metallic terminals on either side of the central button, where electrical connections are made.



Figure 1.3: Side view of the FMS01 micro-switch. This view illustrates the threaded portion of the button, indicating it can be mounted through an opening.



Figure 1.4: Bottom view of the FMS01 micro-switch. This image shows the base of the switch with the internal mechanism visible through the transparent casing.

2. SETUP

Before installation, ensure the power supply to the circuit is disconnected to prevent electrical hazards. The FMS01 micro-switch is designed for straightforward integration into existing electrical systems.

2.1. Wiring

1. Identify the two terminals on the micro-switch. These are typically located on the sides of the switch body.

2. Connect the appropriate wires from your circuit to these terminals. For momentary contact, the switch completes a circuit when pressed and breaks it when released.
3. Ensure all connections are secure and properly insulated to prevent short circuits.

2.2. Mounting (Optional)

If mounting the switch, use the threaded portion of the button. Secure it with a compatible nut or housing if available. Ensure the switch is firmly in place to prevent movement during operation.

3. OPERATING INSTRUCTIONS

The FMS01 micro-switch operates as a simple push-button. It is an automatic reset type, meaning it returns to its default (open or closed, depending on wiring) state immediately upon release.

- **Momentary Action:** Press the button to activate the circuit. Release the button to deactivate the circuit.
- **Integration with FFS01 Foot Switch:** When used with the FFS01 foot switch, the FMS01 acts as the internal contact mechanism. Pressing the foot pedal will engage the micro-switch, and releasing the pedal will disengage it.

Always ensure the switch is used within its specified electrical ratings to prevent damage or malfunction.

4. MAINTENANCE

The FMS01 automatic reset micro-switch is designed for durability and requires minimal maintenance.

- **Cleaning:** If necessary, gently wipe the exterior of the switch with a dry, soft cloth. Avoid using abrasive cleaners or solvents, as these may damage the plastic housing.
- **Inspection:** Periodically inspect the wiring connections to ensure they remain secure and free from corrosion. Check the switch body for any signs of physical damage or wear.
- **Environmental Conditions:** Ensure the switch is not exposed to excessive moisture, dust, or extreme temperatures beyond its operational limits.

5. TROUBLESHOOTING

If you encounter issues with your FMS01 micro-switch, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch does not activate circuit when pressed.	<ul style="list-style-type: none"> Loose or incorrect wiring. Faulty switch. Issue with the connected device/circuit. 	<ul style="list-style-type: none"> Check all wiring connections for tightness and correct polarity. Test the switch with a multimeter for continuity. Replace if faulty. Verify the functionality of the device or circuit the switch is connected to.
Switch remains activated after release (does not reset).	<ul style="list-style-type: none"> Debris obstructing the button mechanism. Internal mechanical failure. 	<ul style="list-style-type: none"> Inspect the button for any foreign objects. The switch may be damaged and require replacement.
Intermittent operation.	<ul style="list-style-type: none"> Poor connection. Wear and tear on internal contacts. 	<ul style="list-style-type: none"> Re-secure all wiring connections. Consider replacing the switch if it's old or heavily used.

If the problem persists after attempting these steps, contact customer support or consult a qualified electrician.

6. SPECIFICATIONS

Attribute	Detail
Brand	OUMIFAND
Model Number	OUMIFAND (FMS01)
Type	Automatic Reset Micro-switch, Push Button
Color	Black (as per current variant)
Number of Units	1.0 Total
Package Dimensions	2.54 x 2.54 x 2.54 cm
Item Weight	50 grams
Country of Origin	China
Spare Parts Availability	Information unavailable

7. WARRANTY AND SUPPORT

Specific warranty information for the OUMIFAND FMS01 micro-switch is not provided in the product details. Please refer to the seller's or manufacturer's website for any applicable warranty terms and conditions.

For technical support or further inquiries, please contact the seller directly through the platform where the product was purchased.