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› NMD LF-10-02 Normally Open Micro Switch User Manual

NMD LF-10-02NO

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Model: LF-10-02NO

INTRODUCTION

This manual provides essential information for the safe and effective use of the NMD LF-10-02 Normally Open Micro Switch. This OEM micro switch is designed for various appliances and features a normally open contact configuration.

Key electrical ratings include:

- 16(3)A 250VAC T105u 5E4
- 16GP 125/250VAC u
- 1HP 250VAC
- 25T125 5E4



Figure 1: The NMD LF-10-02 Normally Open Micro Switch. This image shows the compact black micro switch with a red knob actuator and two metal terminals extending from the side. The model number "LF-10-02" and various electrical ratings are visible on its surface.

SAFETY INFORMATION

WARNING: Electrical components should only be installed by qualified personnel.

- Always disconnect power before installation, maintenance, or troubleshooting.
- Ensure the switch's electrical ratings match the application's requirements.
- Do not exceed the specified voltage and current ratings.
- Protect the switch from moisture, dust, and extreme temperatures unless otherwise specified for the application.

SETUP AND INSTALLATION

The LF-10-02 micro switch is designed for integration into various appliances. Its compact size and "Through Hole" terminal type facilitate straightforward installation.

1. **Power Disconnection:** Before beginning any installation, ensure that the power supply to the appliance or circuit is completely disconnected and locked out.
2. **Mounting:** Secure the micro switch in the desired location using appropriate fasteners through its mounting holes. Ensure it is firmly seated and aligned correctly for its intended mechanical activation.
3. **Wiring:** Connect the appliance's wiring to the switch's terminals. The LF-10-02 is a Normally Open (NO) switch, meaning the circuit is open (no current flow) when the switch is in its default, unactuated state, and closes (allows current flow) when actuated. Refer to the appliance's wiring diagram for specific connection points.

4. **Terminal Type:** The switch features "Through Hole" terminals, which are typically designed for soldering or connection with compatible connectors. Ensure secure and insulated connections.
5. **Verification:** After installation, visually inspect all connections for proper seating and insulation.

OPERATING INSTRUCTIONS

The NMD LF-10-02 is a Normally Open (NO) micro switch.

- **Normally Open State:** In its default, unactuated position, the switch contacts are open, preventing electrical current from flowing through the circuit it controls.
- **Actuation:** When the red knob actuator is pressed or engaged, the internal contacts close, completing the circuit and allowing electrical current to flow.
- **Release:** Upon release of the actuator, the switch returns to its normally open state, breaking the circuit.
- **Operation Mode:** The switch operates in an ON-OFF mode, providing a clear binary state for circuit control.

MAINTENANCE

The NMD LF-10-02 micro switch is designed for durability and requires minimal maintenance.

- **Regular Inspection:** Periodically inspect the switch for any signs of physical damage, wear, or corrosion on the terminals.
- **Cleaning:** If necessary, gently clean the exterior of the switch with a dry, soft cloth. Avoid using liquids or abrasive cleaners.
- **Connection Check:** Ensure that all electrical connections remain secure and free from loose wiring.
- **Environmental Protection:** Ensure the switch remains protected from excessive moisture, dust, and extreme temperatures, which can affect its lifespan and performance.

TROUBLESHOOTING

If the micro switch is not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Switch does not activate circuit when pressed.	No power to the circuit; faulty wiring; switch actuator not fully engaged; damaged switch.	Check power supply; inspect wiring for breaks or loose connections; ensure actuator mechanism is working correctly; replace switch if damaged.
Circuit remains active when switch is released.	Switch stuck in closed position; internal damage; incorrect switch type (e.g., Normally Closed used instead of Normally Open).	Inspect actuator for obstruction; replace switch; verify correct switch type for application.
Intermittent operation.	Loose connections; worn contacts; environmental factors (dust, moisture).	Secure all connections; clean switch; replace if contacts are worn.

SPECIFICATIONS

Attribute	Detail
Model Number	LF-10-02NO
Brand	NMD
Product Dimensions (L x W x H)	1.18 x 0.79 x 0.39 inches
Weight	2 ounces
Operation Mode	ON-OFF
Current Rating	16 Amps
Operating Voltage	125 Volts
Contact Type	Normally Open
Connector Type	Plug In
Terminal	Through Hole
Circuit Type	1-way
Contact Material	Alloy Steel
Manufacturer	NMD
Date First Available	October 15, 2024

WHAT'S IN THE BOX

- One NMD LF-10-02 Normally Open Micro Switch

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the seller or the official NMD website. Keep your purchase receipt for any warranty claims. For further assistance, you may contact the seller, Pugsley1, via their Amazon seller page:[Pugsley1 Seller Page](#).

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