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Blakeslee BLA07235

Blakeslee 07235 Micro Switch User Manual

Model: BLA07235

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Blakeslee 07235 Micro Switch. This genuine OEM replacement part is designed for safety, reliability, and performance in Blakeslee dishwashing and food preparation equipment.

The Blakeslee 07235 Micro Switch is a critical component for various industrial applications, ensuring precise control and safety interlocks. It features a Normally Open contact type, a Hinge Lever actuator, and copper contact material, designed for durability and consistent performance.

PRODUCT OVERVIEW



Figure 1: The Blakeslee 07235 Micro Switch. This image displays the main body of the micro switch, which is dark gray, along with its hinge lever actuator and various mounting components such as nuts, washers, and a screw.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and reliable operation of the micro switch. Always ensure power is disconnected before beginning any installation or maintenance work.

Safety Precautions:

- Disconnect all power to the equipment before installation.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure all wiring conforms to local electrical codes and regulations.
- If unsure, consult a qualified electrician or service technician.

Installation Steps:

1. Identify the mounting location for the micro switch. Ensure it is clean, dry, and free from obstructions.
2. Securely mount the micro switch using the provided hardware. Ensure the actuator mechanism is aligned correctly with the component it is intended to sense or activate.
3. Connect the electrical wiring to the switch terminals. Refer to the equipment's wiring diagram for correct connections. The switch has a Normally Open (NO) contact configuration.
4. Ensure all connections are tight and secure to prevent loose contacts or short circuits.
5. Verify the mechanical operation of the actuator. It should move freely and reliably activate the switch when the target component is in position.
6. Once installed, restore power and test the switch's functionality.

OPERATING PRINCIPLES

The Blakeslee 07235 Micro Switch operates as a momentary contact switch, typically used for sensing position or presence. Its "Normally Open" (NO) contact type means that the electrical circuit through the switch is open (no current flows) when the actuator is in its resting, unactuated position.

When the hinge lever actuator is depressed or moved by an external force (e.g., a door closing, a component reaching a specific position), the internal contacts close, completing the electrical circuit.

Releasing the actuator returns the contacts to their open state.

This functionality makes it ideal for safety interlocks, limit switches, and control applications where a signal is required only when a specific condition is met.

MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your micro switch.

- **Inspection:** Periodically inspect the switch for any signs of physical damage, corrosion, or wear on the actuator and housing.
- **Cleaning:** Keep the switch and its surrounding area clean and free from dust, debris, and moisture. Use a dry, soft cloth for cleaning. Avoid using harsh chemicals or abrasive materials.
- **Connections:** Check electrical connections periodically to ensure they remain tight and free from corrosion. Loose connections can lead to intermittent operation or overheating.
- **Actuator Movement:** Verify that the hinge lever actuator moves freely and returns to its resting position without sticking.
- **Replacement:** If the switch shows signs of significant wear, damage, or inconsistent operation, replace it with a genuine Blakeslee 07235 Micro Switch to maintain safety and performance standards.

TROUBLESHOOTING

If you experience issues with your Blakeslee 07235 Micro Switch, consider the following troubleshooting steps:

| Problem | Possible Cause | Solution |
|---------------------------------|--|---|
| Switch does not activate | <ul style="list-style-type: none">◦ No power to the circuit.◦ Loose or incorrect wiring.◦ Actuator not fully depressed.◦ Internal switch failure. | <ul style="list-style-type: none">◦ Check power supply and circuit breaker.◦ Verify all wiring connections are secure and correct.◦ Adjust the position of the component interacting with the actuator.◦ Replace the switch. |
| Switch activates intermittently | <ul style="list-style-type: none">◦ Loose wiring connections.◦ Worn or dirty contacts.◦ Actuator sticking or not returning fully. | <ul style="list-style-type: none">◦ Tighten all electrical connections.◦ Inspect and clean contacts if accessible, or replace switch.◦ Clean or lubricate actuator mechanism; ensure no physical obstructions. |

| Problem | Possible Cause | Solution |
|---|---|--|
| Switch remains activated (stuck closed) | <ul style="list-style-type: none"> Actuator is physically stuck. Internal contacts are welded or stuck. | <ul style="list-style-type: none"> Check for physical obstructions preventing actuator return. Replace the switch. |

If troubleshooting steps do not resolve the issue, contact Blakeslee customer support or a qualified service technician.

SPECIFICATIONS

| Attribute | Detail |
|-----------------------------|------------------------------|
| Brand | Blakeslee |
| Model Number | BLA07235 |
| Product Dimensions | 4 x 2 x 3 inches; 1.1 Pounds |
| Item Dimensions (L x W x H) | 4 x 2 x 3 inches |
| Manufacturer | BLAKESLEE |
| ASIN | B00O2Q1K48 |
| Contact Type | Normally Open |
| Connector Type | Clamp |
| Actuator Type | Hinge Lever |
| Contact Material | Copper |
| Number of Positions | 1 |
| Specification Met | OEM |
| Connectivity Protocol | X-10 |
| Color | Black |
| Date First Available | October 1, 2013 |

WARRANTY AND SUPPORT

As a genuine OEM replacement part, the Blakeslee 07235 Micro Switch is manufactured to high standards. For specific warranty information, please refer to the original equipment manufacturer's documentation or contact Blakeslee directly.

For technical support, replacement parts, or service inquiries, please contact Blakeslee customer service through their official website or authorized distributors. Always provide the model number (BLA07235) and any relevant equipment details when seeking support.

You can find more information about Blakeslee products and support at www.blakesleeinc.com

