

MULTICOMP SSM-001-MULTICOMP

SSM-001 Black Lever Push Button SPDT 500MA Electronic Switch User Manual

Model: SSM-001-MULTICOMP | Brand: MULTICOMP

1. INTRODUCTION

Welcome to the user manual for the MULTICOMP SSM-001 Black Lever Push Button SPDT 500MA Electronic Switch. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new electronic switch. Please read this manual thoroughly before using the product and retain it for future reference.

The SSM-001 is a compact and reliable single-pole, double-throw (SPDT) switch designed for various electronic control applications, featuring a lever actuator for manual operation.

2. PRODUCT OVERVIEW

2.1 Key Features

- Operation Mode:** Manual
- Contact Type:** SPDT (Single Pole Double Throw)
- Current Rating:** 500mA
- Actuator Type:** Lever
- Control Method:** Touch
- Color:** Black
- Contact Material:** Copper
- Connector Type:** Crimp

2.2 Components

The SSM-001 switch consists of a durable black housing, a movable lever actuator, and three electrical terminals for connection. The lever mechanism allows for tactile control, switching the internal contacts between two positions.



Figure 1: The MULTICOMP SSM-001 electronic switch, showing its black housing, lever actuator, and three gold-colored terminals at the base.

3. SETUP

3.1 Safety Precautions

- Ensure power is disconnected before installation or wiring to prevent electrical shock.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Do not exceed the specified current rating of 500mA.
- Install in a dry environment, away from moisture and extreme temperatures.

3.2 Installation Steps

1. **Mounting:** Securely mount the switch in the desired location using appropriate fasteners. Ensure the mounting surface is stable and free from vibrations.
2. **Wiring:**
 - Identify the Common (COM), Normally Open (NO), and Normally Closed (NC) terminals. For SPDT switches, there is one common terminal and two switched terminals.
 - Use appropriate crimp connectors for secure and reliable electrical connections.
 - Connect the power source to the Common terminal.
 - Connect the load(s) to either the Normally Open or Normally Closed terminal, depending on the desired circuit behavior.
 - Ensure all connections are tight and insulated to prevent short circuits.
3. **Testing:** After installation, carefully apply power and test the switch functionality to ensure it operates as expected before full deployment.

4. OPERATING

The SSM-001 is a manual touch control switch with a lever actuator. Its operation is straightforward:

- **Lever Actuation:** To change the state of the switch, gently press or move the lever actuator. The lever will click into position, indicating the change in contact state.
- **SPDT Functionality:** As an SPDT switch, it has one common terminal that connects to either of two other terminals (Normally Open or Normally Closed). When the lever is in one position, the common terminal is connected to the Normally Closed terminal. When the lever is actuated, the common terminal switches its connection to the Normally Open terminal.
- **Touch Control:** The switch responds to direct physical interaction with its lever.

Ensure the switch is used within its specified electrical parameters (500mA current rating) to prevent damage

or malfunction.

5. MAINTENANCE

The SSM-001 switch is designed for durability and requires minimal maintenance. Following these guidelines will help ensure its longevity:

- **Cleaning:** Keep the switch free from dust, dirt, and debris. Use a soft, dry cloth to wipe the exterior. Avoid using abrasive cleaners or solvents, which can damage the housing or internal components.
- **Inspection:** Periodically inspect the switch for any signs of physical damage, loose connections, or wear on the lever. Ensure the terminals are free from corrosion.
- **Environmental Conditions:** Operate the switch within its recommended environmental conditions. Avoid exposing it to excessive moisture, extreme temperatures, or corrosive substances.
- **Actuator Care:** Do not apply excessive force to the lever actuator. Operate it smoothly to prevent mechanical stress.

6. TROUBLESHOOTING

If you encounter issues with your SSM-001 switch, refer to the following common problems and their potential solutions:

- **Switch Not Responding:**
 - Check all electrical connections to ensure they are secure and correctly wired.
 - Verify that power is supplied to the circuit.
 - Ensure the load connected to the switch is functioning correctly.
- **Intermittent Operation:**
 - Inspect for loose wiring or damaged insulation.
 - Check for any debris or foreign objects obstructing the lever mechanism.
 - Ensure the switch is not operating beyond its rated current, which can cause overheating and intermittent contact.
- **Physical Damage to Lever:**
 - If the lever is bent or broken, the switch may need to be replaced. Avoid applying excessive force during operation.

If the problem persists after attempting these solutions, contact a qualified technician or the manufacturer for further assistance.

7. SPECIFICATIONS

Specification	Detail
Item Weight	0.01 ounces
Item model number	SSM-001-MULTICOMP
Date First Available	July 12, 2014
Manufacturer	MULTICOMP

Specification	Detail
ASIN	B00MMYC2EE
Operation Mode	manual
Contact Type	Spdt
Connector Type	Crimp
Terminal	Spdt
Actuator Type	Lever
Contact Material	Copper
Control Method	Touch
Connectivity Protocol	X-10
Color	Black
Unit Count	1.0 Count

8. WARRANTY AND SUPPORT

Warranty information for the MULTICOMP SSM-001 switch is typically provided by the seller or manufacturer at the time of purchase. Please refer to your purchase documentation or contact the retailer for specific warranty terms and conditions.

For technical support, inquiries, or assistance with troubleshooting beyond the scope of this manual, please contact MULTICOMP customer service or the authorized distributor from whom you purchased the product. Provide your model number (SSM-001-MULTICOMP) and ASIN (B00MMYC2EE) for faster service.