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Selector Switch Knob, Lever, Black, 30mm Instruction Manual

Brand: Schneider Electric | Model: pic - mss 49 17

1. INTRODUCTION

This instruction manual provides comprehensive guidance for the proper installation, operation, and maintenance of the Schneider Electric Selector Switch Knob, Lever, Black, 30mm. Please read this manual thoroughly before using the product to ensure safe and efficient operation. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Schneider Electric Selector Switch Knob (Part Numbers: 9001-B11, 9001B11) is a black, lever-actuated component designed for industrial control applications. Manufactured in the USA, this 30mm knob is intended for use with compatible selector switches, providing manual control over various circuits. It features a robust design with a copper contact material and screw terminals for secure electrical connections.



Figure 2.1: Front view of the selector switch knob, showing the lever and directional arrow.



Figure 2.2: Side profile of the knob, highlighting its compact design.



Figure 2.3: Alternative side view, providing a comprehensive look at the knob's form factor.



Figure 2.4: Top view of the knob, illustrating the lever's position and the knurled edge for grip.



Figure 2.5: Bottom view of the knob, revealing the internal structure for attachment to a switch.

3. SETUP AND INSTALLATION

The selector switch knob is designed for straightforward installation onto a compatible selector switch mechanism. Ensure all power is disconnected from the circuit before beginning installation.

3.1 Safety Precautions

- Always disconnect power before installing or servicing electrical components.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and insulated gloves.
- Ensure installation is performed by qualified personnel in accordance with local electrical codes and regulations.

3.2 Installation Steps

1. Identify the shaft of the selector switch onto which the knob will be mounted.
2. Align the knob's internal mechanism with the switch shaft.

- Secure the knob to the switch shaft using the integrated fastening mechanism (e.g., set screw, press-fit, or threaded connection, depending on the switch design). Ensure it is firmly seated and does not wobble.
- If applicable, connect the switch's screw terminals to the appropriate wiring according to your circuit diagram. Ensure all connections are tight and secure.
- Verify the knob's movement and engagement with the switch positions before restoring power.

4. OPERATION

The Schneider Electric Selector Switch Knob operates manually by rotating the lever to select different positions. Each position corresponds to a specific circuit state (e.g., ON/OFF, different functions, or speed settings) as determined by the underlying selector switch.

- To change the switch position, grasp the lever firmly.
- Rotate the lever clockwise or counter-clockwise to the desired detent position. The knob is designed to provide tactile feedback when a position is engaged.
- Ensure the lever is fully seated in the desired position to ensure proper electrical contact.

5. MAINTENANCE

The selector switch knob is a durable component requiring minimal maintenance. Regular inspection and cleaning will help ensure its longevity and reliable performance.

- Cleaning:** Periodically wipe the surface of the knob with a clean, dry, or slightly damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these may damage the material.
- Inspection:** Regularly inspect the knob for any signs of wear, cracks, or damage. Ensure it remains securely attached to the switch shaft and that its movement is smooth and consistent.
- Environmental Considerations:** Note that this product has an International Protection Rating of IP00, meaning it offers no protection against solid objects or liquids. Ensure it is installed in an environment where it is not exposed to dust, dirt, or moisture.

6. TROUBLESHOOTING

This section addresses common issues that may arise with the selector switch knob. For problems related to the electrical function of the switch itself, refer to the switch's specific manual.

Problem	Possible Cause	Solution
Knob is loose or wobbly	Improper installation; fastening mechanism is loose or damaged.	Disconnect power. Re-secure the knob to the switch shaft. If damaged, replace the knob.
Knob does not turn smoothly or is stuck	Debris obstructing movement; damage to the knob or switch mechanism.	Disconnect power. Inspect for debris and clean. If the issue persists, the knob or switch mechanism may be damaged and require replacement.
No electrical response when turning knob	Issue with the underlying selector switch; wiring problem; knob not fully engaging switch.	Ensure the knob is fully seated in each position. Check wiring connections to the switch. If the problem persists, troubleshoot the selector switch itself.

7. SPECIFICATIONS

Key technical specifications for the Schneider Electric Selector Switch Knob:

Attribute	Value
Brand	Schneider Electric
Model Number	pic - mss 49 17
Product Dimensions (L x W x H)	9.84 x 7.09 x 7.87 inches
Item Weight	0.11 ounces
Manufacturer	Square D
Operation Mode	Manual
Contact Type	Normally Open
Connector Type	Screw Terminals
Circuit Type	Selector
Actuator Type	Lever
Contact Material	Copper
International Protection Rating	IP00

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation provided at the time of purchase or contact Schneider Electric directly. Warranty terms and conditions may vary based on region and purchase agreement. For technical support, product inquiries, or to report issues, please contact Schneider Electric customer service or visit their official website. You can often find support resources, FAQs, and contact information on the [Schneider Electric Brand Store](#) or their corporate website.