

Aexit FA2-6/1BEK

Aexit FA2-6/1BEK Electric Drill Trigger Switch User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Aexit FA2-6/1BEK AC 250V 6A Locking Electric Drill Trigger Pushbutton Switch. This switch is designed for power control in electric power tools. It features a lock-on type, Normally Open (NO) contact, and DPST (Double Pole Single Throw) configuration. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- **Electrical Hazard:** Ensure the power tool is disconnected from the power source before attempting any installation, maintenance, or repair.
- **Professional Installation:** Installation should only be performed by qualified personnel familiar with electrical wiring and power tool repair.
- **Correct Voltage and Current:** Verify that the switch's voltage and current ratings (AC 250V, 6A) match the requirements of your power tool.
- **Secure Connections:** All electrical connections must be secure and properly insulated to prevent short circuits.
- **Environmental Conditions:** Do not expose the switch to moisture, extreme temperatures, or corrosive environments.

3. PRODUCT OVERVIEW

The Aexit FA2-6/1BEK is a robust trigger switch designed for reliable power control in various electric drills and similar power tools. Its compact design allows for easy integration.



Figure 3.1: Top view of the Aexit FA2-6/1BEK trigger switch, highlighting the trigger mechanism.



Figure 3.2: Side view of the Aexit FA2-6/1BEK switch, displaying the model number and terminal connections.

Key Features:

- **Lock-on Type:** Allows the tool to operate continuously without holding the trigger.
- **DPST (Double Pole Single Throw):** Controls two separate circuits simultaneously.
- **Normally Open (NO) Contact:** The circuit is open when the switch is at rest and closes when activated.
- **Durable Construction:** Made from plastic and metal for longevity.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the trigger switch. If you are unsure about any step, consult a qualified technician.

1. **Disconnect Power:** Ensure the electric power tool is completely disconnected from its power source.
2. **Access Switch Compartment:** Carefully open the housing of your power tool to access the existing switch or the designated switch compartment.
3. **Remove Old Switch (if applicable):** If replacing an old switch, note the wiring connections before disconnecting them. Take a photograph for reference if necessary.
4. **Connect New Switch:** Connect the wires from the power tool to the corresponding terminals on the Aexit FA2-6/1BEK switch. Refer to the wiring diagram of your specific power tool for correct connections. The switch is a DPST type, meaning it has two input and two output terminals.
5. **Secure Switch:** Mount the new switch securely within the power tool's housing. Ensure it fits properly and does not interfere with other components.
6. **Reassemble Tool:** Carefully reassemble the power tool housing, ensuring all screws are tightened and no wires are pinched.
7. **Test Functionality:** Before full use, connect the power tool to a power source and perform a brief test to ensure the switch operates correctly (ON/OFF and lock-on function).

5. OPERATING INSTRUCTIONS

The Aexit FA2-6/1BEK trigger switch provides straightforward operation for your electric power tool.

- **To Turn On:** Press the trigger button. The tool will activate.
- **To Turn Off:** Release the trigger button. The tool will deactivate.
- **Lock-On Function:** For continuous operation, press the trigger button and then engage the lock-on button (if present on your specific tool's design, often a small button on the side of the trigger). To disengage, press the trigger button fully once more and release.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your trigger switch.

- **Cleaning:** Keep the switch free from dust, debris, and moisture. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners directly on the switch.
- **Inspection:** Periodically inspect the switch for any signs of wear, damage, or loose connections. If any damage is observed, replace the switch immediately.
- **Avoid Overload:** Do not operate the switch beyond its specified voltage and current ratings to prevent premature failure.

7. TROUBLESHOOTING

If you encounter issues with your Aexit FA2-6/1BEK trigger switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Switch does not activate tool	No power to tool; Loose wiring; Faulty switch	Check power supply; Inspect and secure wiring connections; Replace switch if faulty.
Intermittent operation	Loose wiring; Internal switch fault	Check and secure all wiring; Replace switch if internal fault is suspected.
Switch feels stiff or stuck	Debris accumulation; Mechanical damage	Clean around the trigger mechanism; If damaged, replace the switch.

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

8. SPECIFICATIONS

Feature	Detail
Model	FA2-6/1BEK
Product Name	Trigger Switch
Operating Voltage	AC 250V
Current Rating	6(6)A
Operation Mode	ON-NONE-OFF
Contact Type	Normally Open (NO)
Terminal Type	DPST
Material	Plastic, Metal
Main Color	Black
Total Size (L*W*H)	77 x 40 x 30mm (3" x 1.6" x 1.2")
Net Weight	34g
Country of Manufacture	CHINA

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Aexit FA2-6/1BEK trigger switch, please refer to the documentation provided with your power tool or contact the manufacturer of the power tool directly. For general inquiries about Aexit products, please visit the official Aexit website or contact their customer service department.

