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› LDEXIN FA2-6/1BEK Electric Hand Drill Speed Control Trigger Switch Instruction Manual

## LDEXIN FA2-6/1BEK

# LDEXIN FA2-6/1BEK Electric Hand Drill Speed Control Trigger Switch Instruction Manual

Model: FA2-6/1BEK

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of the LDEXIN FA2-6/1BEK Electric Hand Drill Speed Control Trigger Switch. This switch is designed for use in various electric hand drills and other power tools, offering variable speed control and a lock-on function. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## SAFETY INFORMATION

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Always observe basic safety precautions when working with power tools and electrical components to reduce the risk of fire, electric shock, and personal injury. Keep these instructions for future reference.

- Disconnect the power tool from the power source before performing any assembly, adjustments, or maintenance.
- Ensure the replacement switch matches the specifications of your power tool.
- Wear appropriate personal protective equipment (PPE), such as safety glasses.
- If you are unsure about the installation process, consult a qualified electrician or power tool technician.

## PACKAGE CONTENTS

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- 1 x LDEXIN FA2-6/1BEK Hand Drill Speed Control Trigger Switch

## SETUP AND INSTALLATION

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This section outlines the general steps for replacing a trigger switch in an electric hand drill. Specific procedures may vary depending on your drill model.

1. **Disconnect Power:** Ensure the electric hand drill is unplugged from the power outlet before beginning any work.
2. **Access the Switch:** Carefully open the casing of your electric hand drill to access the existing trigger switch. This usually involves removing screws that hold the two halves of the drill housing together.
3. **Note Wiring:** Before disconnecting the old switch, take a photograph or make a diagram of the wiring connections. This will help ensure correct re-connection.
4. **Remove Old Switch:** Disconnect all wires from the old switch and remove it from its housing.
5. **Install New Switch:** Place the new LDEXIN FA2-6/1BEK switch into the designated slot within the drill housing.
6. **Connect Wiring:** Reconnect the wires to the new switch according to your diagram or photograph. Ensure all connections are secure. The switch features screw terminals for connection.
7. **Secure Casing:** Carefully close the drill casing, ensuring no wires are pinched and all components are properly seated. Secure the casing with the original screws.
8. **Test Functionality:** Plug the drill back into a power outlet and perform a brief test to ensure the switch operates correctly, including speed control and lock-on function.



Figure 1: Front view of two LDEXIN FA2-6/1BEK trigger switches. These switches are designed for electric hand drills and feature a black body with an orange trigger and speed control knob.



*Figure 2: Various views of the LDEXIN FA2-6/1BEK trigger switch, highlighting its compact design and the trigger mechanism. This image provides a perspective on how the switch integrates into a power tool.*

## OPERATING INSTRUCTIONS

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The LDEXIN FA2-6/1BEK switch provides intuitive control for your electric hand drill.

- **Power On/Off:** Press the trigger button to activate the drill. Release the button to turn off the drill.
- **Variable Speed Control:** The switch incorporates electronics for variable speed control. The harder you press the trigger, the faster the drill will operate. This allows for precise control over drilling speed.
- **Lock-on Function:** For continuous operation, press the trigger button fully and then engage the lock-on button (typically a small button on the side of the trigger). This will keep the drill running without needing to hold the trigger. To disengage, press the trigger fully again and release.
- **Reversing Module (If Applicable):** If your drill and this switch model include an integrated reversing module, use the dedicated lever or button (not part of the trigger switch itself but often adjacent) to change the direction of rotation.

## MAINTENANCE

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The LDEXIN FA2-6/1BEK trigger switch is designed for durability and requires minimal maintenance. However, regular inspection of your power tool is recommended.

- **Cleaning:** Keep the exterior of the switch and the drill free from dust and debris. Use a dry cloth for cleaning. Do not use liquids or solvents.
- **Connection Check:** Periodically inspect the wiring connections within the drill housing to ensure they remain secure. This should only be done with the drill unplugged.
- **Functionality Check:** Before each use, ensure the trigger operates smoothly, and the variable speed and lock-on functions engage correctly.

## TROUBLESHOOTING

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

| Problem                                     | Possible Cause   | Solution  |
|---|--|---|
| Drill does not turn on.                     | No power supply; Loose wiring connection; Faulty switch.         | Check power outlet and cord. Verify all internal wiring connections are secure. If connections are good, the switch may need replacement. |
| Variable speed control not working.         | Internal switch electronics fault.                               | The variable speed function is integrated into the switch. If it fails, the switch likely needs replacement.                              |
| Lock-on function does not engage/disengage. | Mechanical issue with the lock-on button; Internal switch fault. | Ensure the lock-on button is not obstructed. If the mechanism feels stiff or unresponsive, the switch may need replacement.               |
| Switch feels stiff or sticky.               | Accumulation of dust/debris; Mechanical wear.                    | Clean the exterior of the switch. If the issue persists, the internal mechanism may be worn, and the switch should be replaced.           |

For issues not listed here or if troubleshooting steps do not resolve the problem, it is recommended to consult a qualified technician.

## SPECIFICATIONS

| Feature           | Detail             |
|-------------------|--------------------|
| Model Number      | FA2-6/1BEK         |
| Brand             | LDEXIN             |
| Action Type       | Lock-on            |
| Contact Type      | Normally Open (NO) |
| Operating Voltage | AC 250V            |
| Current Rating    | 6 Amps             |
| Operation Mode    | Push button        |

| Feature        | Detail           |
|----------------|------------------|
| Connector Type | Screw Terminals  |
| Material       | Plastic, Metal   |
| Main Color     | Black and Orange |
| Circuit Type   | 1-way            |
| Mounting Type  | Flush Mount      |
| Actuator Type  | Push Button      |

## WARRANTY AND SUPPORT

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For warranty information or technical support regarding your LDEXIN FA2-6/1BEK trigger switch, please refer to the documentation provided with your purchase or contact LDEXIN customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: LDEXIN