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> DAOKI GR-US-093 4-Pin Tactile Push Button Switch User Manual

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Model: GR-US-093 | Brand: DAOKI

INTRODUCTION

This manual provides essential information for the DAOKI GR-US-093 4-Pin Tactile Push Button Switch. These momentary switches are designed for a wide range of electronic applications, offering reliable performance and a compact form factor. Each package contains 100 units of the 6x6x4.3mm switch.



Image: A collection of DAOKI 4-pin tactile push button switches, illustrating their compact size and design.

SETUP AND INSTALLATION

The DAOKI GR-US-093 tactile switches are designed for PCB (Printed Circuit Board) mounting. Proper installation ensures optimal performance and longevity.

Mounting

- These switches feature a 4-pin DIP (Dual In-line Package) configuration, suitable for through-hole mounting on a PCB.
- Ensure the PCB has appropriate pads and holes spaced for a 6x6mm switch footprint.
- The switch is designed for snap-in mounting, providing a secure fit before soldering.

Soldering

- Use a soldering iron with a fine tip and appropriate solder for electronic components.
- Apply heat to the pin and PCB pad simultaneously, then introduce solder to create a strong electrical and mechanical connection.
- Avoid excessive heat or prolonged contact, which can damage the switch or PCB.



Image: A close-up view of several DAOKI tactile switches, highlighting their 4-pin design for PCB integration.

OPERATING INSTRUCTIONS

The DAOKI GR-US-093 is a momentary action switch. This means the switch makes contact only while the button is being pressed and returns to its open state when released.

- **Action Type:** Momentary (SPST - Single Pole, Single Throw).

- **Function:** When the button is pressed, the internal contacts close, completing a circuit. When released, the contacts open, breaking the circuit.
- **Applications:** Ideal for input devices requiring a temporary signal, such as reset buttons, menu navigation, or simple on/off controls in electronic projects.

Demonstration Video

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Video: A demonstration of a momentary tactile switch, showing its operation and physical characteristics. This video is provided by a seller and illustrates the general functionality of similar switches.

MAINTENANCE

These tactile switches are generally maintenance-free. However, following these guidelines can help ensure their longevity:

- **Cleaning:** If necessary, gently clean the exterior of the switch with a dry, soft cloth. Avoid using liquid cleaners directly on the switch, especially near the button mechanism or pins.
- **Environment:** Operate and store switches within the specified temperature range of -25°C to +80°C. Avoid environments with excessive dust, moisture, or corrosive gases.
- **Physical Stress:** Do not apply excessive force to the button or pins during installation or operation, as this can cause mechanical damage.

TROUBLESHOOTING

If you encounter issues with your DAOKI tactile switches, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch not responding	Poor solder joint, incorrect wiring, damaged switch.	Check solder connections for continuity. Verify wiring against circuit diagram. Replace switch if damaged.
Intermittent contact	Loose connection, internal contamination, worn contacts.	Re-solder connections. Ensure clean operating environment. Replace switch if contacts are worn.
Button feels stiff or stuck	Debris under button, physical damage, incorrect mounting.	Gently attempt to dislodge debris. Inspect for physical damage. Ensure switch is mounted correctly and not under stress.

PRODUCT SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	GR-US-093
Type	Tactile Push Button Switch
Action Type	Momentary
Pin Number	4 Pin DIP
Dimensions (L x W x H)	6 x 6 x 4.3 mm (0.24 x 0.24 x 0.17 inch)
Button Diameter	3.5 mm (0.14 inch)
Withstand Voltage	AC250V
Rated Load	DC12V 50mA
Contact Resistance	$\leq 0.03\Omega$
Insulation Resistance	$\geq 100M\Omega$
Operating Temperature	-25°C to +80°C
Material	Plastic, Metal, Electric Parts
IP Rating	IP54
Package Quantity	100 pieces

Additional Product Views

Your browser does not support the video tag.

Video: An overview of a similar batch of tactile switches, showcasing their quantity and individual appearance. This video is provided by a seller and offers a visual reference for the product.

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Video: A detailed look at various tactile pushbutton switches, demonstrating different form factors and their common applications. This video is provided by a seller and serves as a general guide for tactile switch types.

WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your DAOKI GR-US-093 tactile switches, please refer to the seller's return policy or contact the manufacturer directly through their official channels. Keep your purchase receipt for any warranty claims.

Manufacturer: DAOKI

ASIN: B07X8S99RH

UPC: 886769927860

