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› DaierTek SPST Momentary Soft Touch Foot Switch Instruction Manual

DAIERTEK PBS-24B-4-13PCS

DaierTek SPST Momentary Soft Touch Foot Switch Instruction Manual

Model: PBS-24B-4-13PCS

Brand: DAIERTEK

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the DaierTek 13pcs SPST Momentary Soft Touch Foot Switch. This switch is designed for various electronic applications, particularly in guitar effect pedals, offering reliable and silent momentary switching.

PRODUCT FEATURES

- **SPST Momentary Foot Switch:** Normally Open Operation, OFF-(ON) 2 pin configuration.
- **Solder Lug Design:** Easy to integrate into circuits with a mounting hole size of 12mm.
- **Soft Touch Operation:** Provides silent operation without a click sound when pressed, ensuring quiet performance.
- **Durable Construction:** Designed for longevity and consistent performance in demanding applications.
- **Versatile Application:** Ideal for tap tempos, feedback loops, relays, and any application requiring constant or fast foot tapping.

SETUP AND INSTALLATION

The DaierTek SPST Momentary Soft Touch Foot Switch is designed for straightforward installation. Please follow these steps carefully to ensure proper integration and functionality.

1. Component Overview



Image: A set of thirteen DaierTek SPST Momentary Soft Touch Foot Switches, showcasing their compact design and metal plunger.

Each package contains 13 individual SPST momentary foot switches. Ensure all components are present and undamaged before proceeding with installation.

2. Dimensions and Mounting

DIMENSION

Mounting hole diameter 12mm.

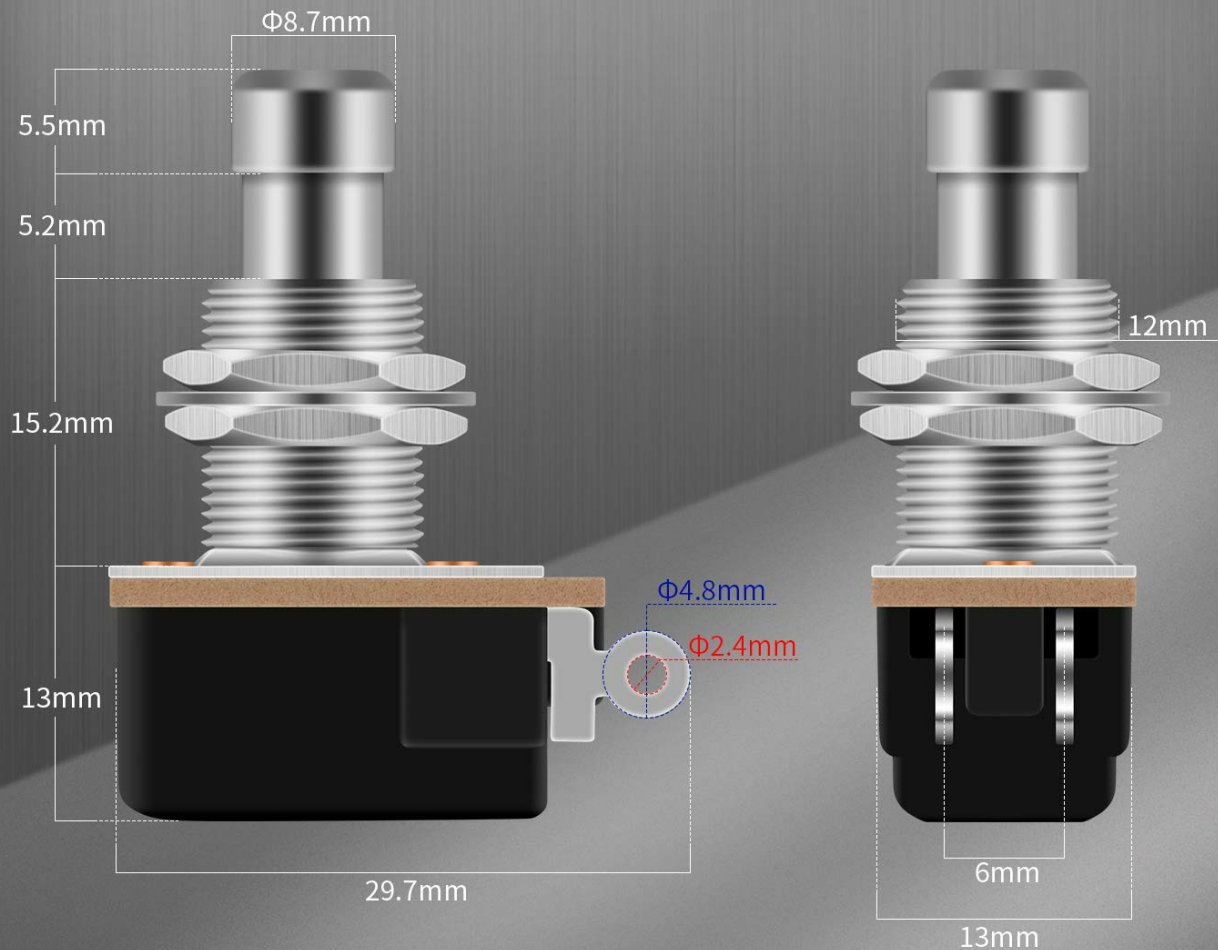


Image: Technical drawing illustrating the precise dimensions of the foot switch, including the 12mm mounting hole diameter, plunger height, and body measurements.

The switch requires a 12mm mounting hole. Carefully measure and drill the appropriate hole in your enclosure. The switch features a threaded shaft and includes a nut and washer for secure mounting.

3. Electrical Connections

2 PIN SPST PEDAL FOOT SWITCH

2A 250VAC ; 4A 125VAC



Image: A close-up view of the 2-pin SPST pedal foot switch, highlighting its solder lugs and indicating its electrical ratings (2A 250VAC; 4A 125VAC).

This is a 2-pin SPST (Single Pole, Single Throw) momentary switch with normally open contacts. Connect your circuit wires to the two solder lugs. When the switch is pressed, the circuit will close, and when released, it will open.

GUITAR EFFECT PEDAL MOMENTARY FOOT SWITCH

CIRCUIT DIAGRAM

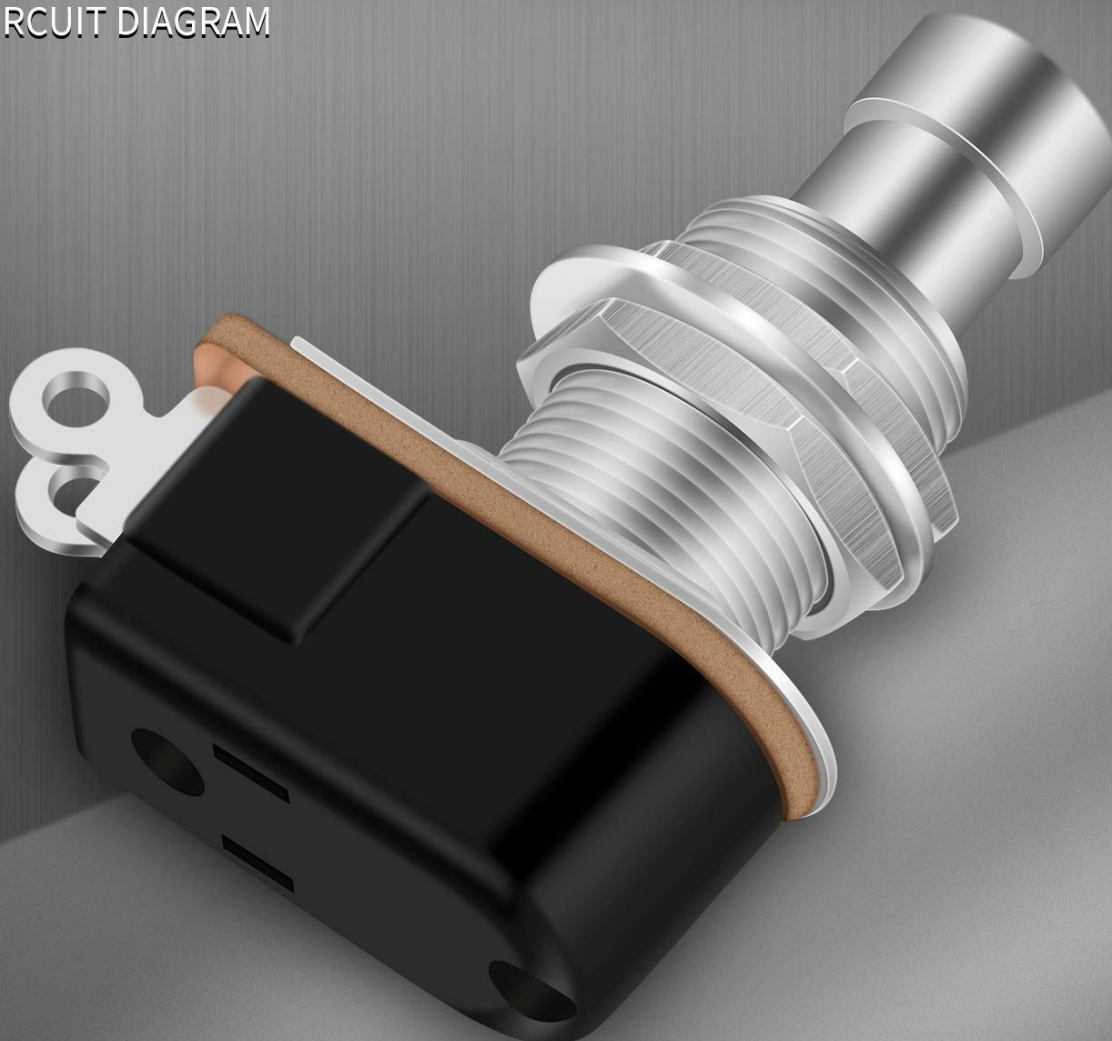


Image: A simplified circuit diagram illustrating how a momentary foot switch can be integrated into a guitar effect pedal.

For guitar effect pedal applications, the switch is typically used to momentarily engage or disengage an effect, such as a tap tempo function or a feedback loop.

4. Installation Demonstration

Your browser does not support the video tag.

Video: A demonstration showing the installation of the DaierTek SPST Momentary Soft Touch Foot Switch into a guitar effect pedal enclosure, including securing it with the nut and washer.

This video illustrates the physical installation process, demonstrating how to insert the switch into the enclosure and secure it properly. It also shows the soft-touch action of the switch once installed.

OPERATING INSTRUCTIONS

The DaierTek SPST Momentary Soft Touch Foot Switch operates as a simple push-button switch. It is normally open, meaning the circuit is open (no connection) when the button is not pressed.

- **Momentary Action:** The switch makes contact only while the button is actively pressed down.
- **Silent Operation:** Due to its soft-touch design, the switch produces minimal to no audible click, making it suitable for applications where quiet operation is desired.
- **Application:** In a guitar effect pedal, for example, pressing the switch might activate a tap tempo feature, allowing you to set the tempo of a delay or tremolo effect by tapping the switch. Releasing the switch will disengage the momentary action.



Image: A DaierTek SPST Stomp Foot Switch installed on a black guitar effect pedal, demonstrating its typical use case.

MAINTENANCE

The DaierTek SPST Momentary Soft Touch Foot Switch is designed for durability and requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Use a dry, soft cloth to wipe the exterior of the switch. Avoid using abrasive cleaners or solvents, as these can damage the finish or internal components.
- **Inspection:** Periodically check the solder connections to ensure they remain secure. Loose connections can lead to

intermittent operation.

- **Environment:** Store and operate the switch in a dry environment, away from excessive moisture, dust, and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your DaierTek foot switch, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Switch not responding	Loose or faulty wiring; incorrect installation; damaged switch.	Check all solder connections. Ensure the switch is correctly wired as normally open. If wiring is correct, the switch may need replacement.
Intermittent operation	Poor solder joint; debris inside switch; excessive wear.	Re-solder connections. Ensure the switch is clean and free of debris. If the issue persists, the switch may be worn out.
Switch feels stiff or sticky	Accumulation of dirt or foreign material.	Gently clean around the plunger with a dry, soft brush. Avoid lubricants unless specifically designed for switches.

SPECIFICATIONS

Attribute	Value
Model Number	PBS-24B-4-13PCS
Operation Mode	ON-OFF (Momentary)
Current Rating	4 Amps
Operating Voltage	125 Volts (AC)
Contact Type	Normally Open (SPST)
Connector Type	Solder Lug
Mounting Type	Snap In Mount (with threaded shaft for panel mounting)
Package Dimensions	7.48 x 4.53 x 0.75 inches
Item Weight	11.36 ounces
Manufacturer	DAIERTEK

WARRANTY AND SUPPORT

DAIERTEK products are manufactured to high quality standards. For any questions regarding installation, operation, or troubleshooting, please refer to the product listing on Amazon or contact DAIERTEK customer support directly. Please retain your proof of purchase for warranty claims.

For more information about DAIERTEK products, visit the official [DAIERTEK Store on Amazon](#).

