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- › [Securitron](#) /
- › [Securitron PB3A Alternate Action Push Button Instruction Manual](#)

## Securitron PB3A

# Securitron PB3A Alternate Action Push Button Instruction Manual

Model: PB3A | Brand: Securitron

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of the Securitron PB3A Alternate Action Push Button. The PB3A is a single-gang, alternate action push button designed for various control applications, typically in access control or industrial settings. Please read this manual thoroughly before installation and operation to ensure proper function and safety.



**Figure 1:** Securiton PB3A Alternate Action Push Button. This image shows the front view of the single-gang push button with its rectangular faceplate and central button.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the reliable operation of the PB3A push button. Always ensure power is disconnected before beginning any wiring procedures.

### 2.1 Safety Precautions

- Disconnect all power to the circuit before installation or servicing.
- Installation should be performed by qualified personnel in accordance with all local and national electrical codes.
- Wear appropriate personal protective equipment (PPE).

### 2.2 Mounting

The PB3A is designed for single-gang box mounting. It can be installed in a standard electrical wall box.

1. Ensure the electrical box is securely mounted in the desired location.
2. Carefully remove the existing cover plate, if any.

3. Align the PB3A push button with the mounting holes of the single-gang box.
4. Secure the push button using the provided screws. Do not overtighten.

## 2.3 Wiring

The PB3A features contacts for alternate action operation. Refer to your control panel or power supply documentation for specific wiring requirements.

- Identify the Common (C), Normally Open (NO), and Normally Closed (NC) terminals on the push button.
- Connect the appropriate wires from your control system or power supply to these terminals.
- Ensure all connections are secure and insulated to prevent short circuits.
- After wiring, carefully place the push button assembly into the electrical box, ensuring no wires are pinched.

## 3. OPERATING INSTRUCTIONS

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The Securitron PB3A is an alternate action push button. This means its state changes with each press and remains in that state until pressed again.

1. **First Press:** When the button is pressed for the first time, its internal contacts will switch state (e.g., from Normally Open to Closed, or Normally Closed to Open). This action will be maintained.
2. **Second Press:** When the button is pressed a second time, its internal contacts will switch back to their original state. This action will also be maintained.
3. Repeat presses will toggle the contact state.

The specific function (e.g., locking/unlocking a door, activating a light) depends on how the PB3A is wired into your control system.

## 4. MAINTENANCE

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The Securitron PB3A push button requires minimal maintenance to ensure long-term reliable operation.

### 4.1 Cleaning

- Clean the surface of the push button with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- Ensure no liquid enters the internal mechanism of the button.

### 4.2 Inspection

- Periodically inspect the push button for any signs of physical damage, such as cracks or loose components.
- Check for secure mounting and ensure all wiring connections remain tight.
- Test the button's functionality regularly to confirm it is operating as expected.

## 5. TROUBLESHOOTING

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If the PB3A push button is not functioning correctly, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
Button does not respond to press.	No power to the circuit; Loose or incorrect wiring; Faulty control panel input.	Verify power supply; Check all wiring connections for continuity and correct polarity; Consult control panel manual for input status.
Button is stuck or difficult to press.	Physical obstruction; Internal mechanism damage.	Inspect for debris around the button; If damage is suspected, contact support for replacement.
Button does not alternate state.	Incorrect wiring for alternate action; Internal switch failure.	Double-check wiring against the control system's requirements; If wiring is correct, the unit may be faulty and require replacement.

If the problem persists after attempting these solutions, please contact Securitron technical support or your authorized dealer.

## 6. SPECIFICATIONS

- **Model:** PB3A
- **Type:** Alternate Action Push Button
- **Mounting:** Single Gang
- **Weight:** Approximately 2 pounds (0.91 kg)
- **Manufacturer:** Securitron ASSA ABLOY
- **Date First Available:** December 31, 2009
- *Note: Specific electrical ratings (e.g., voltage, current) should be confirmed on the product label or manufacturer's datasheet.*

## 7. WARRANTY INFORMATION

Securitron products are typically backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Securitron website. Keep your proof of purchase for warranty claims.

## 8. TECHNICAL SUPPORT

For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact:

- Your authorized Securitron dealer or distributor.
- Securitron Customer Service (refer to the official Securitron website for contact details).

When contacting support, please have your product model number (PB3A) and a detailed description of the issue ready.

