Broan-NuTone PB18LWHCL

Broan-NuTone PB18LWHCL Lighted Circle Pushbutton Doorbell Kit

Instruction Manual

1. Introduction

This manual provides instructions for the installation, operation, and maintenance of your Broan-NuTone PB18LWHCL Lighted Circle Pushbutton Doorbell Kit. This doorbell pushbutton is designed for residential use, featuring a clear ring and white button with a U.V. Inhibitor touch pad surface to prevent yellowing. Its lighted design enhances visibility in low-light conditions.
Please read these instructions thoroughly before installation and retain them for future reference.

2. Safety Information

WARNING: Risk of Electric Shock

- Always disconnect power at the circuit breaker or fuse box before installing, servicing, or replacing any part of the doorbell system.
- Ensure all wiring connections are secure and comply with local electrical codes.
- This product operates on low voltage (18 Volts AC). Do not connect to line voltage.
- If you are unsure about wiring procedures, consult a qualified electrician.

3. Package Contents

Verify that all components are present before beginning installation:

- Broan-NuTone PB18LWHCL Lighted Circle Pushbutton (1)

4. Installation Instructions

The PB18LWHCL pushbutton is designed for surface mounting, suitable for various exterior surfaces including brick.

4.1 Tools Required

- Screwdriver (Phillips head recommended)
- Wire strippers
- Drill (if creating a new mounting hole)

4.2 Installation Steps

1. **IMPORTANT:** Disconnect power to your doorbell system at the main electrical panel before proceeding.
2. If replacing an existing pushbutton, carefully remove the old unit. Note the wiring connections.
3. Prepare the mounting surface. The pushbutton requires a hole approximately 5/8" (16mm) in diameter for the body to pass through, with the bezel resting on the surface.
4. Connect the two low-voltage wires from your doorbell chime system to the screw terminals on the back of the new pushbutton. Ensure connections are tight.



Figure 1: Rear view of the pushbutton with wiring terminals. Connect the two low-voltage wires here.

5. Insert the pushbutton body into the prepared hole. The surface mount design allows the pushbutton to fit snugly.
6. Secure the pushbutton to the mounting surface using appropriate screws (not typically included, use existing or suitable hardware).
7. Restore power to your doorbell system at the main electrical panel.
8. Test the doorbell by pressing the pushbutton. The chime should sound, and the pushbutton light should illuminate.



Figure 2: Front view of the Broan-NuTone PB18LWHCL pushbutton.

5. Operation

The Broan-NuTone PB18LWHCL pushbutton operates as a standard doorbell switch. When power is supplied to the doorbell system, the internal light of the pushbutton will illuminate, providing visibility. Pressing the button completes the circuit, activating your home's doorbell chime.

6. Maintenance

6.1 Cleaning

To clean the pushbutton, wipe it with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the finish or the U.V. Inhibitor surface.

6.2 Bulb Replacement

The pushbutton contains a small incandescent bulb that may eventually burn out. To replace the bulb:

1. **IMPORTANT:** Disconnect power to your doorbell system at the main electrical panel before attempting bulb replacement.

2. Carefully twist the white bottom portion of the pushbutton counter-clockwise to separate it from the clear front bezel. This design allows access to the internal components.



Figure 3: The pushbutton can be disassembled to access the bulb.

3. Gently remove the old bulb and insert a new, compatible low-voltage incandescent bulb (typically 18V).
4. Align the white bottom portion with the clear front bezel and twist clockwise to secure it.
5. Restore power and test the pushbutton.

7. Troubleshooting

Problem	Possible Cause	Solution
Pushbutton light does not illuminate.	Burned-out bulb. No power to the doorbell system. Loose wiring connection.	Replace the bulb (see Section 6.2). Check power at the circuit breaker. Inspect and tighten wiring connections.
Doorbell chime does not ring when button is pressed.	Loose or corroded wiring connections. Faulty pushbutton contacts. Faulty doorbell chime unit. No power to the doorbell system.	Disconnect power, inspect and clean/tighten wiring connections at both the pushbutton and the chime unit. If contacts are corroded, clean them. If the pushbutton is faulty, replace it. Check power at the circuit breaker.
Doorbell chime rings continuously.	Stuck pushbutton. Incorrect wiring (e.g., short circuit). Incompatible transformer voltage (if LED was removed).	Check if the pushbutton is physically stuck. Disconnect power and inspect wiring for any short circuits. If the LED was removed, ensure the transformer voltage is compatible with the remaining components.

8. Specifications

- **Model:** PB18LWHCL
- **Brand:** Broan-NuTone
- **Color:** Clear/White
- **Material:** Plastic
- **Style:** Casual
- **Special Feature:** Weather Resistant

- **Product Dimensions:** 1"L x 1"W x 1"H (Approximate)
- **Item Weight:** 0.01 Ounces
- **Power Source:** AC
- **Voltage:** 18 Volts
- **Type of Bulb:** Incandescent (as supplied)

9. Warranty and Support

For warranty information or technical support, please contact Broan-NuTone directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

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