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Broan-NuTone PB41LSN

Broan-NuTone PB41LSN Lighted Round Stucco Pushbutton Doorbell Instruction Manual

Model: PB41LSN

1. Introduction

This manual provides instructions for the installation, operation, and maintenance of your Broan-NuTone PB41LSN Lighted Round Stucco Pushbutton Doorbell. Please read these instructions thoroughly before installation and use to ensure proper function and safety.

The Broan-NuTone PB41LSN is a circular, surface-mount doorbell pushbutton designed for residential applications. It features a durable U.V. Inhibitor touch pad surface to prevent yellowing and ensure consistent operation. An integrated light enhances visibility in low-light conditions.

2. Safety Information

WARNING: Risk of electric shock. Always disconnect power at the circuit breaker or fuse box before installing or servicing any electrical device.

- Ensure all wiring complies with local electrical codes and ordinances.
- This product is designed for low-voltage doorbell systems (typically 16V AC). Do not connect to high-voltage circuits.
- If you are unsure about wiring or electrical procedures, consult a qualified electrician.
- Do not operate the doorbell if any part is damaged.

3. Package Contents

Verify that all components are present before beginning installation:

- Broan-NuTone PB41LSN Lighted Round Stucco Pushbutton (Satin Nickel)
- Mounting hardware (screws, anchors - if applicable)
- Instruction Manual (this document)



Image 1: Front view of the Broan-NuTone PB41LSN Lighted Round Stucco Pushbutton in Satin Nickel.

4. Specifications

Feature	Detail
Model Number	PB41LSN
Brand	Broan-NuTone
Color	Satin Nickel
Material	Metal
Product Dimensions	1.5 x 2.5 x 2.5 inches (Depth x Diameter x Diameter)
Item Weight	0.88 ounces
Power Source	AC
Voltage	120 Volts (Note: This refers to the typical household circuit voltage that powers the doorbell transformer, not the low-voltage pushbutton itself.)
Type of Bulb	LED
Installation Type	Surface Mount

5. Installation Instructions

Before you begin, ensure you have the necessary tools: screwdriver, wire strippers, drill (if creating a new hole), and appropriate mounting hardware (if not included or if replacing existing hardware).

1. **Disconnect Power:** Locate your home's circuit breaker or fuse box and turn off the power to your doorbell system. Test the existing doorbell (if any) to confirm power is off.
2. **Remove Old Pushbutton (if applicable):** Carefully remove the existing doorbell pushbutton. Disconnect the two low-voltage wires attached to it. Note which wire was connected to which terminal, though for a simple pushbutton, polarity is usually not critical.
3. **Prepare Mounting Surface:** The PB41LSN is a surface-mount design. If replacing an old pushbutton, ensure the

existing hole is clean and appropriately sized for the new pushbutton's rear housing. The product dimensions indicate a 2.5-inch diameter. If installing in a new location, drill a hole large enough to accommodate the rear portion of the pushbutton and the wiring.

4. **Connect Wiring:**
    - Gently pull the two low-voltage doorbell wires through the mounting hole.
    - Strip approximately 1/4 inch of insulation from the end of each wire.
    - Connect one doorbell wire to each of the two screw terminals on the back of the PB41LSN pushbutton. Tighten the screws securely to ensure a good electrical connection.
5. **Mount Pushbutton:** Carefully push the connected wires and the rear housing of the pushbutton into the mounting hole. Align the pushbutton flush against the exterior surface. The pushbutton typically uses spring-loaded tabs or a friction fit for secure mounting. Ensure it is firmly seated.
6. **Restore Power:** Return to your circuit breaker or fuse box and restore power to the doorbell system.
7. **Test Operation:** Press the new doorbell pushbutton. Verify that your indoor chime rings and that the pushbutton's integrated light illuminates.

Note: Some installations may require additional sealing around the pushbutton with silicone caulk to prevent moisture intrusion, especially in stucco or brick surfaces.

6. Operating Instructions

The Broan-NuTone PB41LSN Lighted Round Stucco Pushbutton operates as a standard doorbell button. To activate your doorbell chime, simply press the center of the pushbutton firmly. The integrated LED light will remain illuminated when power is supplied to the doorbell system, providing visibility in low-light conditions.

7. Maintenance

The PB41LSN pushbutton is designed for minimal maintenance. To ensure continued reliable operation:

- **Cleaning:** Periodically wipe the pushbutton surface with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners or solvents, which can damage the finish or the U.V. Inhibitor coating.
- **Inspection:** Annually inspect the pushbutton for any signs of damage, loose connections, or wear. Ensure it remains securely mounted.
- **U.V. Inhibitor:** The pushbutton's surface includes a U.V. Inhibitor to resist yellowing from sun exposure, contributing to its long-term appearance and functionality.

8. Troubleshooting

If your Broan-NuTone PB41LSN pushbutton or doorbell system is not functioning correctly, refer to the following common issues and solutions:

- **Doorbell Chime Does Not Ring:**
    - **Check Power:** Ensure power is supplied to your doorbell transformer and chime unit. Check your circuit breaker.
    - **Inspect Wiring:** Disconnect power and carefully check the wiring connections at the pushbutton and the chime unit. Ensure wires are securely attached to terminals and not corroded.
    - **Test Chime Unit:** If possible, test the chime unit directly to rule out a chime malfunction.
    - **Pushbutton Function:** Ensure the pushbutton mechanism moves freely and makes proper contact when pressed.

- **Pushbutton Light Does Not Illuminate:**
  - **Check Power:** The light requires power from the doorbell transformer. Verify power is on.
  - **Wiring:** Ensure wiring connections are secure. A loose connection can prevent the light from working.
  - **Bulb Life:** While LED bulbs have a long lifespan, if the light was working previously and now isn't, the LED may have failed. Replacement of the entire pushbutton unit would be necessary as the LED is integrated.
- **Doorbell Rings Continuously or Sticks:**
  - **Inspect Pushbutton:** Check if the pushbutton is physically stuck in the pressed position due to debris or damage.
  - **Wiring Short:** A short circuit in the wiring or at the pushbutton terminals can cause continuous ringing. Disconnect power and inspect wiring for exposed copper touching.

If troubleshooting steps do not resolve the issue, contact customer support or a qualified electrician.

9. Warranty Information

Specific warranty details for the Broan-NuTone PB41LSN pushbutton are typically provided with the product packaging or available on the official Broan-NuTone website. Please refer to these resources for comprehensive warranty terms and conditions.

10. Customer Support

For technical assistance, replacement parts, or further inquiries regarding your Broan-NuTone PB41LSN Lighted Round Stucco Pushbutton, please visit the official Broan-NuTone website or contact their customer service department. Contact information can usually be found on the product packaging or the manufacturer's website.

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