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## Nutone BK105

# NuTone Doorbell Chime Instruction Manual

Model: BK105 | Brand: NuTone

## PRODUCT OVERVIEW

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The NuTone Model BK105 Doorbell Chime is designed to provide a clear and distinct alert for visitors at your home's entrances. Featuring a gracefully-curved white textured cover, this chime unit houses two separate mechanisms: a two-note chime for your primary front door and a distinct one-note chime for a secondary entrance. This allows for easy differentiation between visitors at different entry points. The unit is intended for new installations or as a replacement for existing wired doorbell systems.



Image: Front view of the NuTone BK105 Doorbell Chime, showing its white, curved design.

## IMPORTANT SAFETY INFORMATION

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Always disconnect power at the circuit breaker or fuse box before installing, servicing, or cleaning this unit. Failure to do so may result in electric shock, injury, or death. All wiring must conform to local electrical codes and ordinances. If you are unsure about wiring procedures, consult a qualified electrician.

This device is designed for indoor use only. Do not expose to moisture or extreme temperatures.

## PACKAGE CONTENTS

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Your NuTone BK105 Doorbell Chime package includes:

- 1 x NuTone Model BK105 Doorbell Chime Unit

**Note:** A 16-volt transformer (e.g., NuTone C905) and doorbell pushbuttons are required for operation and are sold separately.

## SPECIFICATIONS

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Feature	Detail
Brand	NuTone
Model Number	BK105
Color	White
Dimensions (W x H)	9 inches x 5 inches
Weight	Approximately 13.8 ounces
Power Source	Wired, requires 16-volt transformer (sold separately)
Chime Tones	Two-note (front door), One-note (secondary door)
Mounting Type	Wall Mount
Material	Plastic
Indoor/Outdoor Usage	Indoor
UPC	784891030017

## INSTALLATION GUIDE

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Before beginning installation, ensure all power to the doorbell circuit is turned off at the main electrical panel. This chime unit is designed for wired installation and requires a 16-volt transformer and at least one pushbutton (both sold separately).

### Tools and Materials Required:

- Screwdriver (Phillips and/or Flathead)
- Wire Strippers

- Drill (if mounting new holes)
- Pencil
- Safety Glasses
- 16-volt Doorbell Transformer (e.g., NuTone C905)
- Doorbell Pushbuttons (for front and/or secondary doors)
- Low-voltage doorbell wire (if new wiring is needed)

## Installation Steps:

1. **Turn Off Power:** Locate your home's main electrical panel and turn off the circuit breaker that supplies power to your existing doorbell or the area where you plan to install the new chime. Verify power is off using a voltage tester.
2. **Remove Old Chime (if applicable):** Carefully remove the cover of your old doorbell chime. Disconnect the wires from the terminals, noting which wire goes to which terminal (e.g., Front, Trans, Rear).
3. **Mount the New Chime:** Position the NuTone BK105 chime unit on the wall where you intend to install it. Use a pencil to mark the locations for the mounting screws. Drill pilot holes if necessary. Secure the chime unit to the wall using appropriate screws, ensuring it is level and firmly attached.
4. **Wire the Chime:** Connect the low-voltage doorbell wires to the corresponding terminals on the NuTone BK105 chime unit. Typically, these terminals are labeled "FRONT" (for the main entrance pushbutton), "TRANS" (for the 16-volt transformer), and "REAR" (for a secondary entrance pushbutton, if used). Ensure connections are secure and wires are not frayed.
5. **Install Transformer and Pushbuttons (if new installation):** If you are installing a new transformer, follow the manufacturer's instructions for safe installation. Connect the transformer to your home's electrical supply and to the "TRANS" terminal on the chime. Install your doorbell pushbuttons at the desired entrances and connect them to the "FRONT" and "REAR" terminals on the chime, respectively.
6. **Replace Cover:** Once all wiring is complete and secure, carefully place the white textured cover onto the chime unit.
7. **Restore Power and Test:** Return to your main electrical panel and turn the power back on to the doorbell circuit. Test the doorbell by pressing each pushbutton. The front door should produce a two-note chime, and the secondary door (if connected) should produce a one-note chime.

## OPERATING INSTRUCTIONS

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The NuTone BK105 Doorbell Chime operates automatically when a connected pushbutton is pressed. It provides distinct audible signals for different entrances:

- **Front Door:** When the pushbutton connected to the "FRONT" terminal is pressed, the chime will produce a two-note melody.
- **Secondary Door:** When the pushbutton connected to the "REAR" terminal is pressed, the chime will produce a single note.

No user interaction is required with the chime unit itself during normal operation.

## CARE AND MAINTENANCE

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The NuTone BK105 Doorbell Chime requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** To clean the chime unit, gently wipe the exterior with a soft, dry cloth. For stubborn marks, a slightly damp cloth with mild soap can be used, followed by drying thoroughly. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Inspection:** Periodically inspect the chime unit and its wiring for any signs of damage or loose connections. Ensure the

cover is securely in place.

- **No User-Serviceable Parts:** The internal components of the chime unit are not user-serviceable. Do not attempt to disassemble the unit beyond removing the cover for installation or inspection.

## TROUBLESHOOTING

If your NuTone BK105 Doorbell Chime is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
<b>Chime does not sound at all.</b>	<ul style="list-style-type: none"><li>• No power to the circuit.</li><li>• Loose or incorrect wiring connections.</li><li>• Faulty transformer.</li><li>• Faulty pushbutton.</li></ul>	<ul style="list-style-type: none"><li>• Check circuit breaker/fuse.</li><li>• Ensure all wires are securely connected to the correct terminals.</li><li>• Test transformer output with a voltmeter (should be around 16V AC). Replace if necessary.</li><li>• Test pushbutton by temporarily shorting its wires; if chime sounds, replace pushbutton.</li></ul>
<b>Chime sounds continuously or buzzes.</b>	<ul style="list-style-type: none"><li>• Stuck pushbutton.</li><li>• Short circuit in wiring.</li></ul>	<ul style="list-style-type: none"><li>• Inspect pushbuttons for debris or damage; replace if stuck.</li><li>• Check wiring for exposed copper touching other wires or metal.</li></ul>
<b>Only one chime note sounds for both doors.</b>	<ul style="list-style-type: none"><li>• Incorrect wiring for front/rear doors.</li><li>• Internal chime mechanism issue.</li></ul>	<ul style="list-style-type: none"><li>• Verify "FRONT" and "REAR" wires are connected to the correct terminals on the chime.</li><li>• If wiring is correct, the chime unit may be faulty and require replacement.</li></ul>

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

## WARRANTY AND SUPPORT

The NuTone BK105 Doorbell Chime comes with a limited warranty. Please refer to the warranty documentation included with your purchase for specific terms and conditions. For technical assistance, replacement parts, or warranty claims, please contact NuTone Customer Support.

### NuTone Customer Support:

- Website: [www.nutone.com](http://www.nutone.com)
- Phone: Refer to NuTone's official website for current contact numbers.