



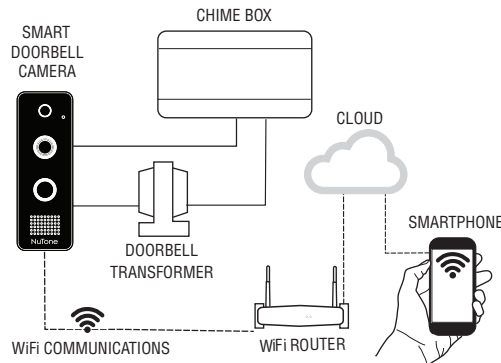
NuTone KNOCK™

DCAM100

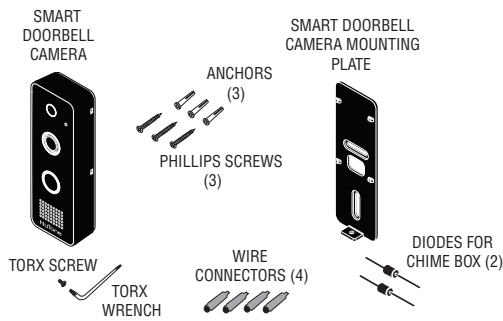


Installation Instructions

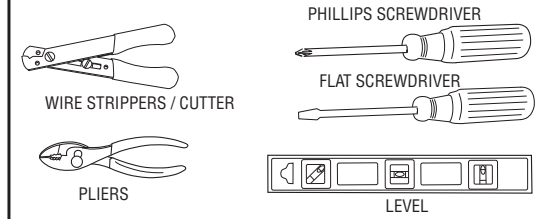
System Description



Doorbell Camera Components



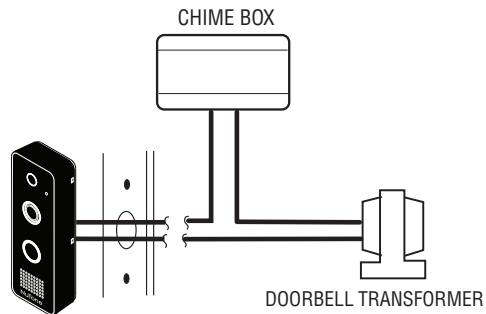
Tools For Installation



OPTIONAL



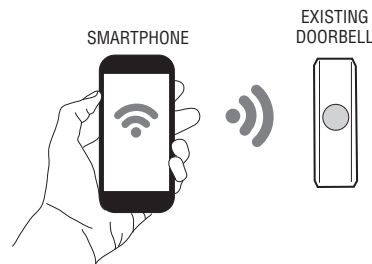
System Overview



1 Prepare for Installation

VERIFY WiFi STRENGTH

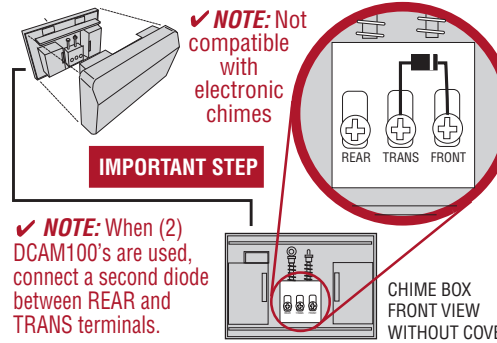
- Go to existing doorbell location.
- Use a Smartphone connected to the installations WiFi router to confirm adequate signal strength (2 - 3 bars).



2 Installing Diode in Chime Box

NOTE: It is recommended to TURN POWER OFF before performing any wiring.

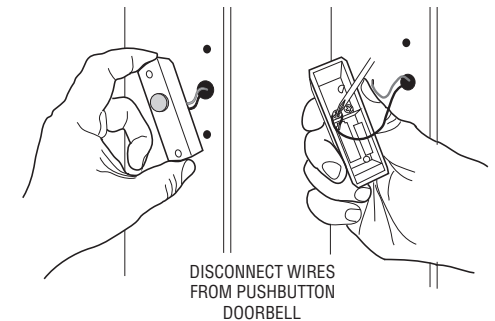
- 1 OPEN CHIME BOX
- 2 INSTALL DIODE AS SHOWN



NOTE: When (2) DCAM100's are used, connect a second diode between REAR and TRANS terminals.

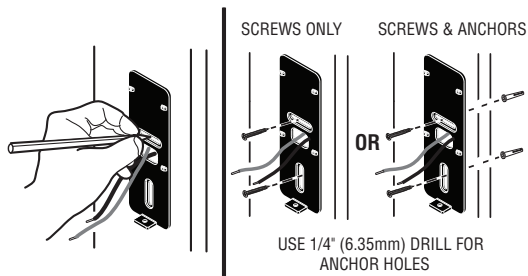
3 Existing Doorbell Removal

- Remove existing doorbell pushbutton from location.
- Disconnect wires from back of pushbutton.



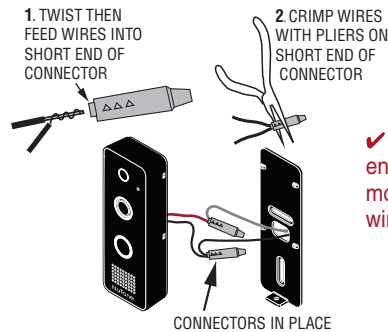
4 Mounting Doorbell Camera Plate

- Use mounting plate as guide to mark holes.
- Use leveling tool to align mounting plate.



5 Wiring Doorbell Camera

- Connect doorbell wires using weather-resistant wire connectors (included).
- Ensure there is enough room behind the mounting plate for excess wires.



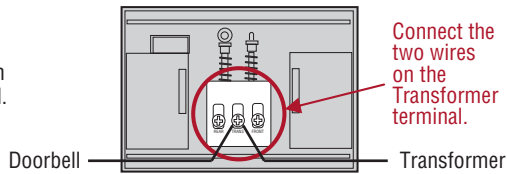
6 LED Indicators Status

Color	Status	Note
Flashing Blue once	Power ON	
Flashing Blue (Slow)	Cold start at low temperature	
Solid Blue 5 seconds	Connect to 16V transformer without diode	1. Occurs after power on, or push the button 2. Can't ring the chime box
Flashing Blue 5 seconds (fast)	The voltage of transformer is low	1. Occurs after power on, or push the button 2. Proceed to Step 7.
Solid Blue	The voltage of transformer is too high	Doorbell can't work
Solid Red	Powering up	
Flashing Green/Red	Discovery Mode	Skip Step 7 and proceed to Step 8.
Flashing Green (Fast)	Connecting to Cloud Server	
Solid Green	Connected to Cloud Server	Skip Step 7 and proceed to Step 8.
Flashing Green (Slow)	Session in Progress	
Flashing Red (Slow)	Not connected to network	
Flashing Red (Fast)	Firmware update	

7 Wiring Doorbell without Chime Box connected (AC 16V, 10VA ~ 30VA)

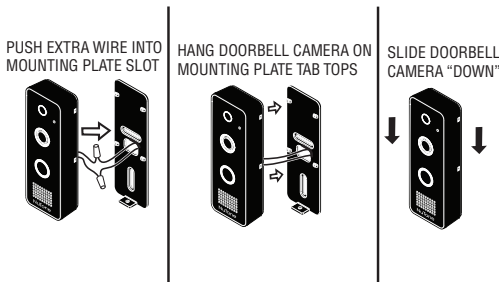
If your transformer voltage is too low (see Step 6), proceed with Step 7. Otherwise, skip Step 7 and proceed to Step 8.

1. Turn off the power.
2. Open the chime box.
3. Connect the two wires on the Transformer terminal.
4. Turn on the power.
5. Blue LED flashes once.
6. The mechanical chime will no longer ring. Add the optional Wi-Fi Chime if desired.



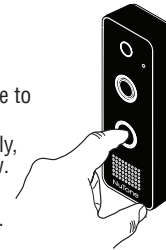
Connect the two wires on the Transformer terminal.

8 Camera Installation to Mounting Plate



9 TEST Doorbell Camera

- TURN power ON.
- Press doorbell button.
- If chime rings normally, continue to next step.
- If chime DOES NOT ring normally, the voltage of transformer is low. Go to Step 7. Or, replace with a new 16 VAC, 30 VA transformer.



10 Camera Installation / Security Screw



SCREW IN BOTTOM OF DOORBELL CAMERA

11 Setup Operation

1 Download Smartphone App

On the resident's Smartphone, download and install the "NuTone Knock™" App from the Google Play Store (for Android phones) or from Apple App Store (for iOS phones).

2 Create an Account

With the Smartphone connected to the local network router via WiFi, select "Create an Account." Enter a name, valid email address, and password for the account, then select "Create an Account."

NOTE: Check junk/spam email folder. This code expires in one hour after the email is sent. Enter the activation code in the app and login.

3 Connecting to Doorbell Camera

The doorbell camera should be in Discovery mode and the button indicator should flash red and green. If the indicator does not flash, try pressing the call button for ten to fifteen seconds to enter Discovery mode.

4 Follow Steps on App for Final Setup.

✓ NOTE: Remember to check App for latest version of doorbell camera firmware in the About Device Menu.

Doorbell Camera Troubleshooting

MY DOORBELL APP

Q: The App doesn't save photos or videos on my smartphone?

A: Please ensure you have sufficient memory on your smart device. Also ensure permissions are enabled on the App to access the device memory.

Q: I did not receive the Authentication Code when creating an account?

A: Please check your email 'junk' box folder for an email.

NETWORK

Q: The doorbell doesn't register on the Wi-Fi network. Why?

A: The smart Doorbell Camera may be out of range of your Wi-Fi network. Move the router or install a Wi-Fi extender. Note, the Doorbell Camera supports 2.4Ghz networks only.

Q: The smart Doorbell Camera loses network connectivity?

A: The smart Doorbell Camera may be out of range of your Wi-Fi network. Move the router or install a Wi-Fi extender.

Doorbell Camera Troubleshooting

POWER

Q: The doorbell power cycles off and on?

A: Check that the doorbell camera power wires are securely connected. The existing doorbell wiring may be bad. Refer to Step 7.

Q: Why doesn't the doorbell camera power up?

A: Refer to installation instructions:

1. Confirm transformer power is turned ON.
2. Confirm diode is installed correctly.
3. Confirm wiring / connections are correct and secure.

Regulatory Information

The DCAM100 is certified to comply with applicable FCC and IC rules and regulations governing RF and EMI emissions. Refer to DCAM-100.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC Notice

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with the Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Accessories for NuTone KNOCK™

MODEL	DESCRIPTION
LA11WH	Wired Door Chime
LA227WH	Wi-Fi Door Chime

