



Hello, Smart Home



Doorbell Wiring Diagrams



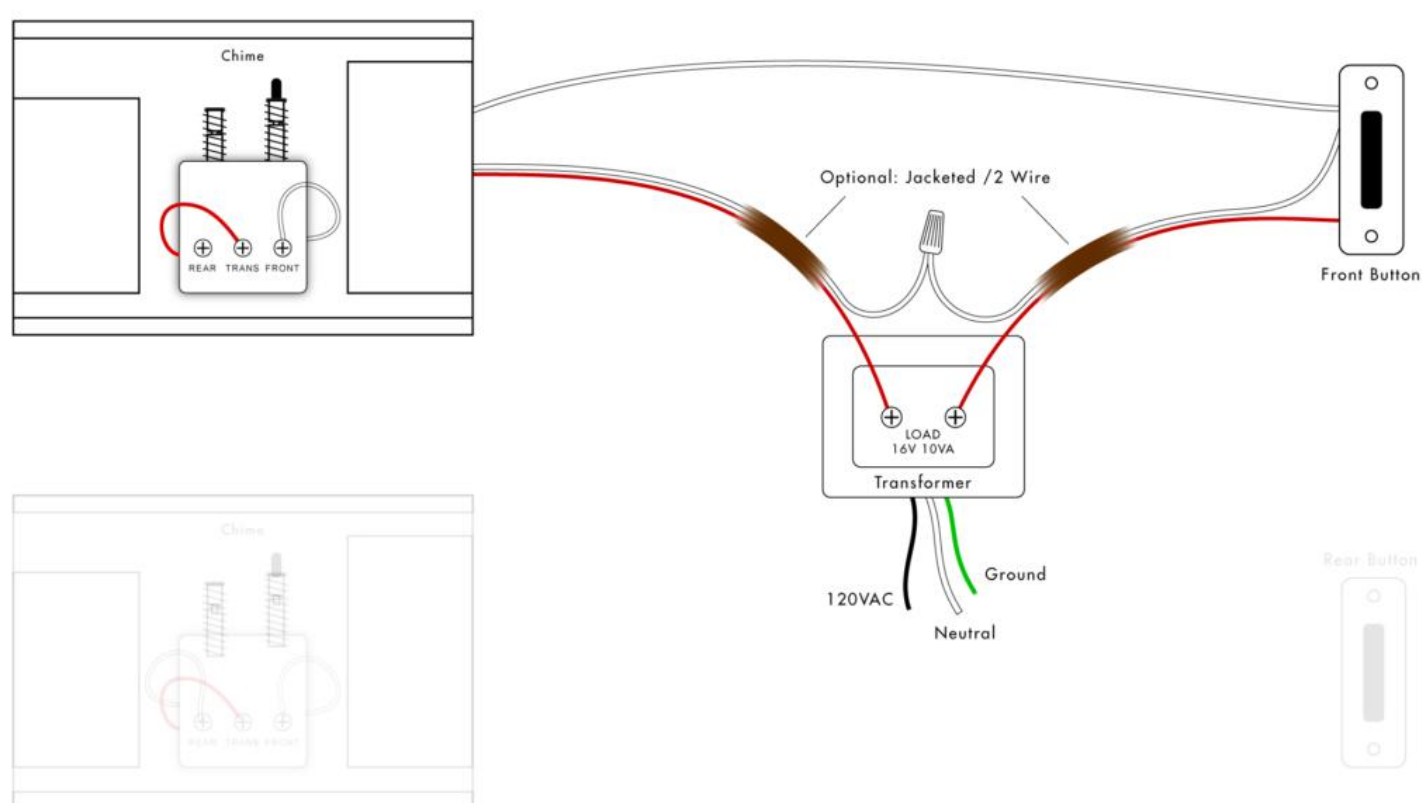
**Broan-NuTone
BK125LWH Builder Kit**

Applies to All Wired Doorbell Systems

- Doorbell push buttons don't have a positive and negative. Either terminal of the push button can be mounted to the red or white wires shown in the diagram (ref. doorbell parts section below for more information).
- The output side of the transformer doesn't have positive and negative terminals. The red wire shown in the diagrams can connect to either terminal of the transformer and push button (ref. doorbell parts section below for more information).
- Annunciator(Bell) wire vs. Thermostat wire? Either is fine. Bell wire comes as separate individual wires, while thermostat wire has a jacket to keep the wires bundled together. Depending on the layout of your home and location of doorbell components, choose if individual or bundled wires work better (ref. single doorbell button wiring diagram).
- **WARNING: Electrical Hazard.** Before beginning work, turn power off at the breaker panel or fuse box to avoid injury. For safe wiring practices, consult the National Electrical Code® and your local building inspector, or licensed electrician.

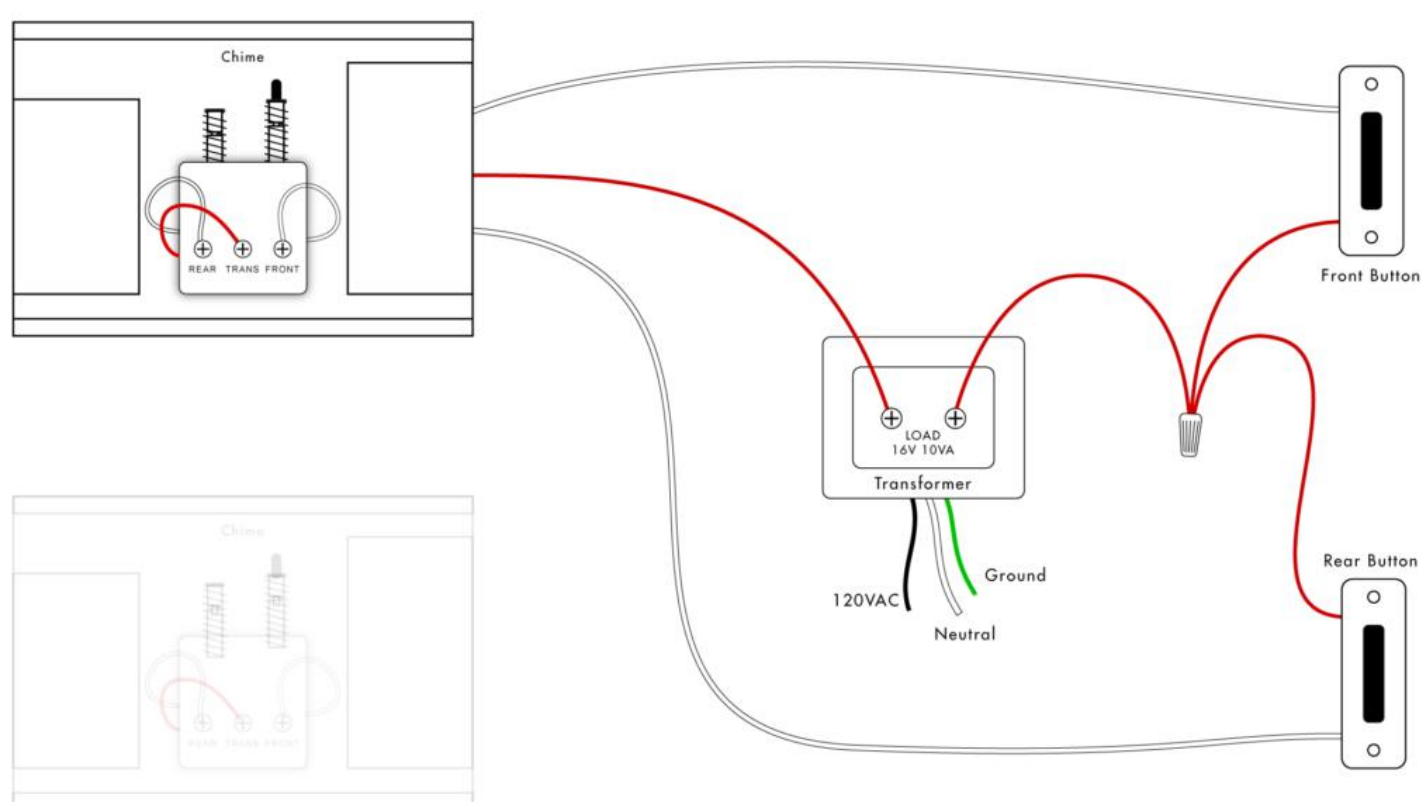
1. Wiring a Single Doorbell Chime to a Single Button

- The NuTone C905 has a rating of 16V – 10VA; these are standard specs for most single 2-note chimes. This is the transformer supplied in contractor grade wired door chime kits.
- The same wiring diagram applies to a single bell or buzzer (non-combination chime). Ignore the rear terminal.



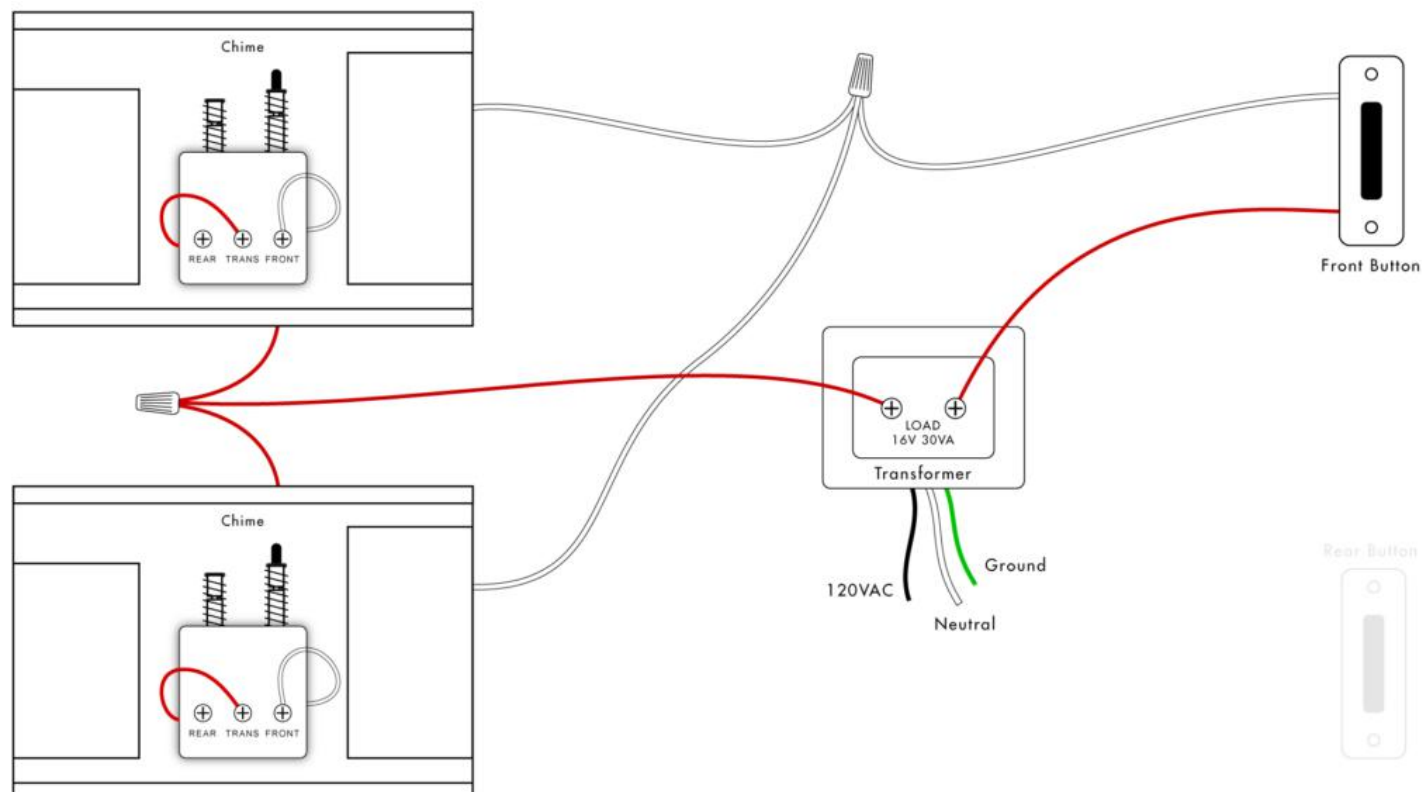
2. Wiring a Single Doorbell Chime With Multiple Buttons

- Using the majority of wiring information for a single chime and doorbell button; add a rear, side, or garage entry door button in addition to the main front entry door button.
- The rear is only a 1-note chime. You'll notice a bumper (ref. image in chime parts section below) inside the chime – above the "rear" chime pin – that prevents the top chime bar from being activated; creating a slightly different sound between the front and rear buttons to indicate which button is being triggered.



3. Wiring Multiple Doorbell Chimes With a Single Doorbell Button

- Strategically placing two or more chimes assures that you hear the doorbell sound throughout the entire home.
- Powering 2 chimes simultaneously requires a larger transformer, e.g. NuTone C907 with a rating of 16V – 30VA.



4. Wiring Multiple Doorbell Chimes With Multiple Buttons

- Using the majority of wiring information for a double chime and single doorbell button; add a rear, side, or garage entry door button in addition to the main front entry door button.
- The rear is only a 1-note chime. You'll notice a bumper (ref. image in chime parts section below) inside the chime – above the "rear" chime pin – that prevents the top chime bar from being activated; creating a slightly different sound between the front and rear buttons to indicate which button is being triggered.

