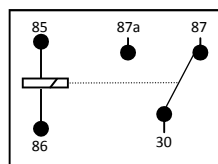


Relay at rest (no power)

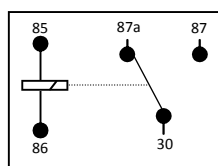
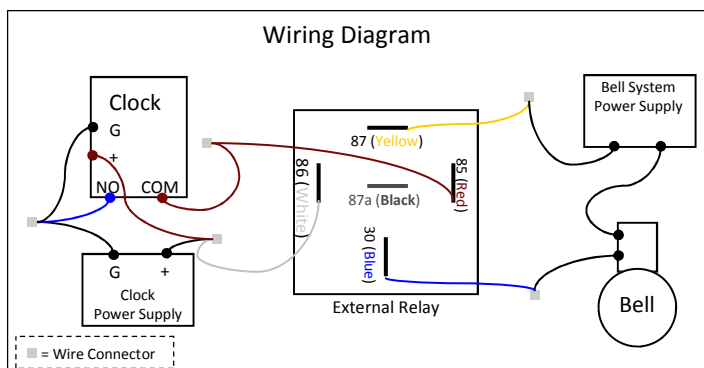


Relay energized (power on)

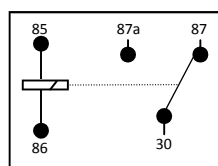
Wire Harness Color Designation

- 85 (Red) - Ground (Triggering voltage)
- 86 (White) - 12VDC (Triggering voltage)
- 87 (Yellow) - Normally Open (Switched)
- 87a (Black) - Normally Closed (Switched) (Not used)
- 30 (Blue) - Ground (Switched)

NOTE: Colors may be different, please verify by number



Relay at rest (no power)



Relay energized (power on)

Wire Harness Color Designation

- 85 (Red) - Ground (Triggering voltage)
- 86 (White) - 12VDC (Triggering voltage)
- 87 (Yellow) - Normally Open (Switched)
- 87a (Black) - Normally Closed (Switched) (Not used)
- 30 (Blue) - Ground (Switched)

NOTE: Colors may be different, please verify by number

FlexClock Z18

Bell Relay Kit Installation & Bell Schedule Setup Guide

FlexClock Z18

Bell Relay Kit Installation & Bell Schedule Setup Guide

Necessary tools

Wire crimping/stripping tool

Included Parts

1. Relay that is compatible with most bell systems.
2. Wire harness.
3. Crimp style wire connectors.

How the Clock "Rings" the Bell

Included in this kit is an *external relay* that acts as a switch for the bell system.

The small *internal relay* inside the clock is "energized" (switched on) at the time(s) the bell has been programmed to ring.

The *internal relay* will energize the *external relay*, which will allow power to flow through to the bell system.

Notes about installation

The bell system needs to be powered by its own separate power supply and not the clock's power supply.

The bell system should not be wired directly to the clock's *internal relay*, doing so may cause damage

to the clock.

The power supply that is included with the clock can be wired to the clock's *internal relay*, which will energize the *external relay*.

Relay wiring instructions

1. Find the 10-pin connector in the Z18 *advanced installation kit*.
2. Splice the White wire on the relay to the *positive* wire from the clock power supply.
3. Connect the Red wire from the relay to the "COM" (Red) wire on the clock wire harness.
4. Splice the "NO" (Blue) wire from the clock to the *ground* wire from the power supply.
5. The bell circuit will be wired through the Blue and Yellow wires on the relay.

Note: see the diagrams on the back page.

Programming the Z18 to ring the bell

1. From the main screen of the clock, press [MENU] twice. (This brings you to the System Info screen.)
2. Type the password "74642355" (this spells "RINGBELL" on a telephone keypad) to get to the Bell Schedule Menu.

Necessary tools

Wire crimping/stripping tool

Included Parts

1. Relay that is compatible with most bell systems.
2. Wire harness.
3. Crimp style wire connectors.

How the Clock "Rings" the Bell

Included in this kit is an *external relay* that acts as a switch for the bell system.

The small *internal relay* inside the clock is "energized" (switched on) at the time(s) the bell has been programmed to ring.

The *internal relay* will energize the *external relay*, which will allow power to flow through to the bell system.

Notes about installation

The bell system needs to be powered by its own separate power supply and not the clock's power supply.

The bell system should not be wired directly to the clock's *internal relay*, doing so may cause damage

to the clock.

The power supply that is included with the clock can be wired to the clock's *internal relay*, which will energize the *external relay*.

Relay wiring instructions

1. Find the 10-pin connector in the Z18 *advanced installation kit*.
2. Splice the White wire on the relay to the *positive* wire from the clock power supply.
3. Connect the Red wire from the relay to the "COM" (Red) wire on the clock wire harness.
4. Splice the "NO" (Blue) wire from the clock to the *ground* wire from the power supply.
5. The bell circuit will be wired through the Blue and Yellow wires on the relay.

Note: see the diagrams on the back page.

Programming the Z18 to ring the bell

1. From the main screen of the clock, press [MENU] twice. (This brings you to the System Info screen.)
2. Type the password "74642355" (this spells "RINGBELL" on a telephone keypad) to get to the Bell Schedule Menu.