To Prevent electrical shock and/or equipment damage, disconnect electrical power to the system at the main fuse or circuit breaker until installation is complete.

Removal & Installation

Before removing wires from old thermostat's switching subbase, label each wire with the terminal designation it was removed from.

1. Shut off the electricity at the main fuse box until installation is complete. Ensure that electrical power is disconnected.

2. Remove Old Thermostat: A Standard heat/cool thermostat consists of three parts:
   a. The Cover, which may be either a snap on or hinge type.
   b. The Base, which is removed by loosening all captive screws.
   c. The switching subbase, which is removed by unscrewing the mounting screws that hold it on the wall or adaptor plate.

3. Remove the front cover of the old thermostat. WIth the wires still attached, remove the wall plate from the wall. If the old thermostat has a wall mounting plate, remove the thermostat and the wall mounting plate as an entire assembly.

4. Identify each wire attached to the old thermostat.

5. Disconnect the wires from the old thermostat one at a time. Do not let the wires fall back inside of the wall.

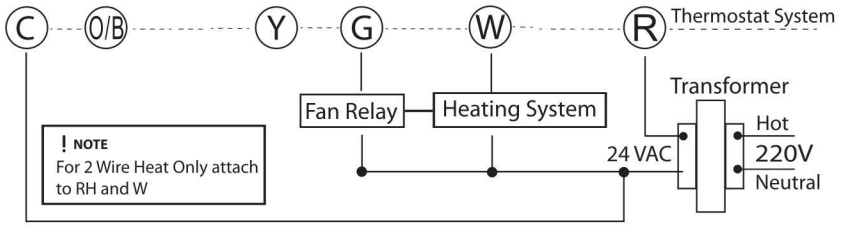
6. Install the new thermostat and use the following wiring diagrams.

Battery Location

The thermostat can function on 2 x "AA" alkaline batteries as an alternative source of power.
If ▭ change is displayed, the batteries are low and should be replaced. For best results, replace batteries once a year. To replace batteries, install the batteries along the top of the base. The batteries must be installed with the positive (+) ends to the right.

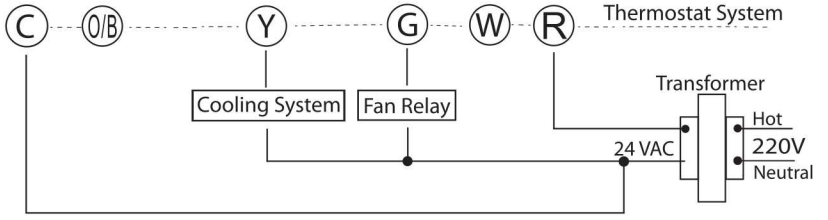
Wiring Diagrams

❶



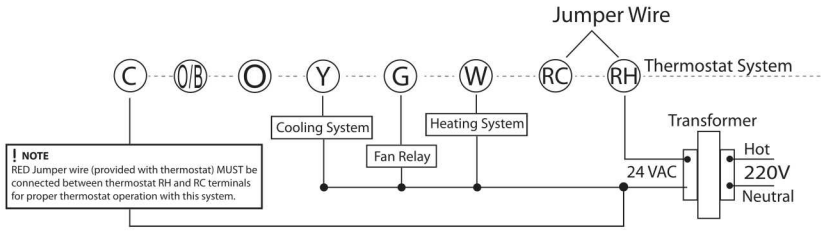
Typical Wiring Diagram For Heat Only, 3 Wire, Single Transformer Systems

❷



Typical Wiring Diagram For Cool Only, 3 Wire, Single Transformer Systems

3



Typical Wiring Diagram For Heat/cool, 4 Wire, Single Transformer Systems

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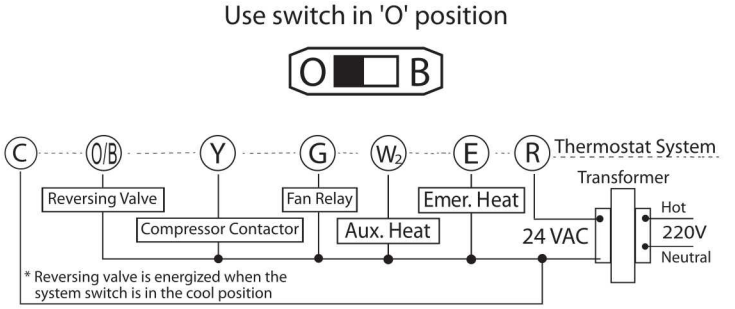
4



Typical Wiring Diagram For Heat Pump With Reversing Valve Energized In Cool

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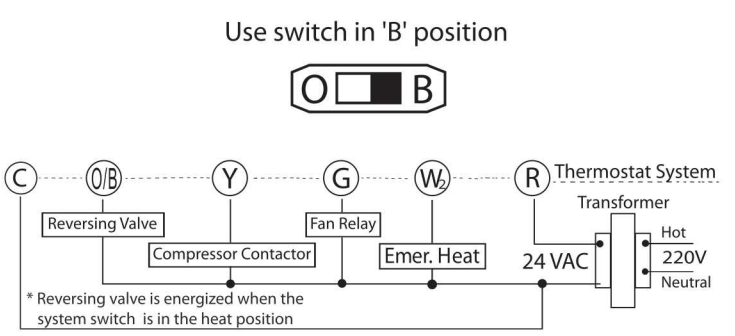
5



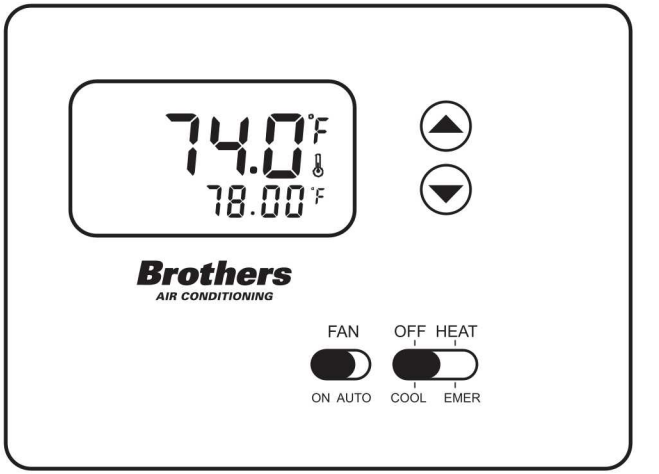
Typical Wiring Diagram For Heat Pump With Reversing Valve Energized In Heat

*** L terminal is only used with dual transformer systems**

BRT36011

Brothers AIR CONDITIONING

Installation Instructions



T-370 Heat Pump

Non-Programmable Thermostat