

# WIRING DIAGRAMS

W3 W/E G RA R/L W O/B  
 WAT R2B OAG Y2 BA  
 YL G GA

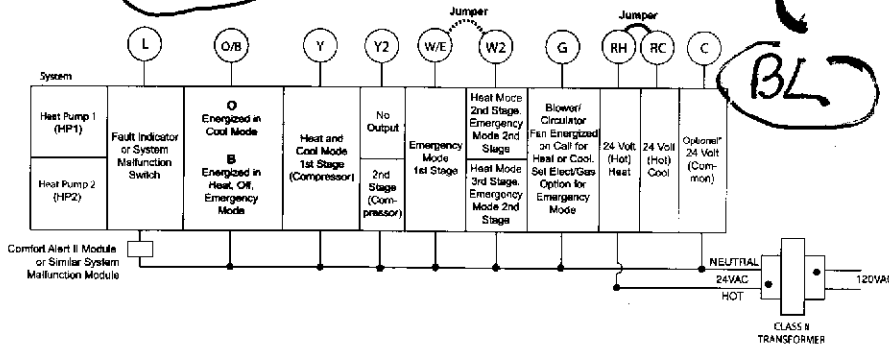
## Heat Pump Connections

If you do not have a heat pump system, refer to figures 4-6. Refer to equipment manufacturers' instructions for specific system wiring information. You can configure the thermostat for use with the following heat pump systems.

**HEAT PUMP TYPE 1 (HP 1).** Single-stage compressor system; gas or electric backup.

**HEAT PUMP TYPE 2 (HP 2).** Multi-stage compressor or two compressor system with gas or electric backup. After wiring, see INSTALLER CONFIGURATION section for proper thermostat configuration.

Figure 3 - Heat Pump Systems



NOTE: If your system does not provide an E connection, jumper W2 to W/E to use the Auxiliary Heat in the Emergency Mode.

\* Common connection required for fault or malfunction indication.

## Single Stage and Multi-Stage Connections

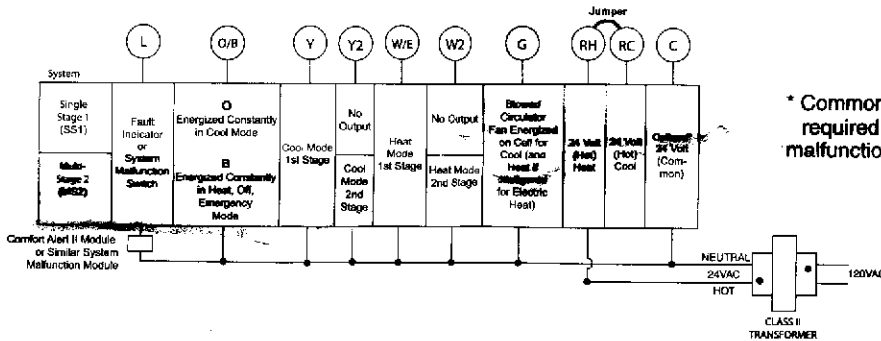
Refer to equipment manufacturers' instructions for specific system wiring information. This thermostat is designed to operate a single-transformer or two-transformer system. You can configure the thermostat for use with the following fossil fuel systems:

**SINGLE STAGE (SS 1)** gas, oil or electric.

**MULTI-STAGE (MS 2)** gas, oil or electric.

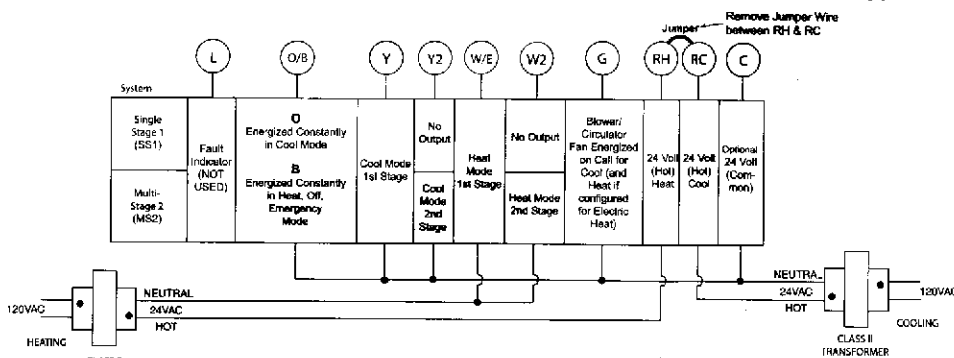
After wiring, see INSTALLER CONFIGURATION section for proper thermostat configuration.

Figure 4 - Single Stage or Multi-Stage System (No Heat Pump) with Single Transformer



\* Common connection required for fault or malfunction indication.

Figure 5 - Single Stage or Multi-Stage System (No Heat Pump) with Two Transformers



NOTE: If continuous backlight or hardwired power input are desired but do not function in both HEAT and COOL modes, cut the heating transformer 24V wires and tape off. Connect the neutral circuit disconnected from the heating transformer to the neutral circuit of the cooling transformer. Disconnect the wire to the RH terminal and install a jumper between RH and RC. Depending on the system requirements, replace the cooling transformer with a 75VA class II transformer if needed.

Figure 6 - 3-Wire (SPDT) Heat Only Zone Valve Wiring

