

FIELD WIRING

120 VAC HOT NEUTRAL GROUND THERMOSTAT*

SERVICE SWITCH

GROUND SCREW

BK W G

WIRE NUT

*NOT PROVIDED

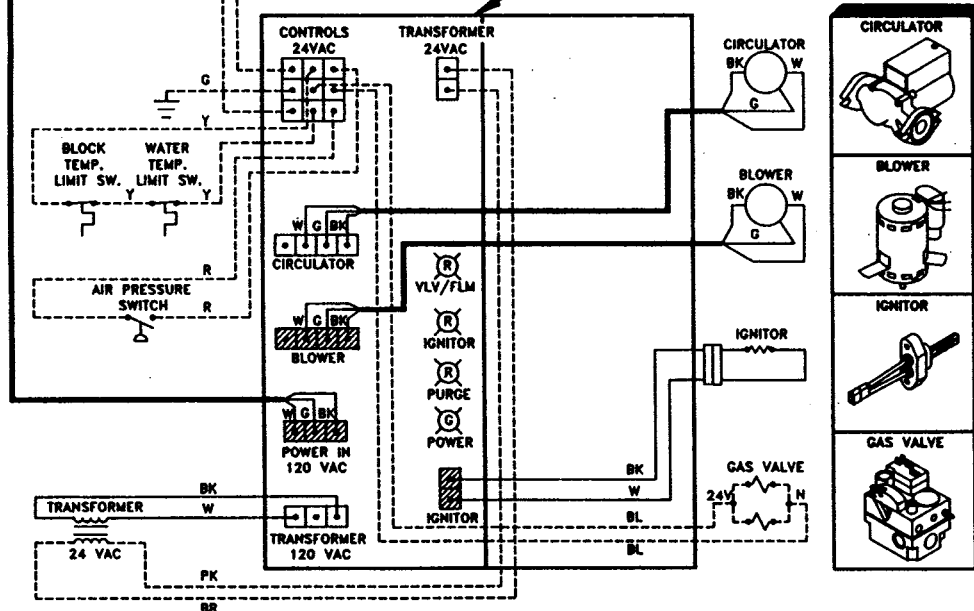
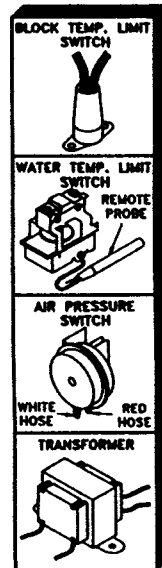
SERVICE SWITCH

THERMOSTAT

 = RED CONNECTOR = WHITE CONNECTOR

HIGH VOLTAGE FACTORY WIRING
 LOW VOLTAGE FACTORY WIRING
 HIGH VOLTAGE FIELD WIRING
 LOW VOLTAGE FIELD WIRING

**CONNECTOR AND STATUS LIGHT
LOCATIONS/ORIENTATIONS MAY VARY**



The diagram illustrates the electrical connections for a control module, divided into two main sections: 120 VAC and 24 VAC.

120 VAC Section:

- Inputs:** 120 VAC HOT and NEUTRAL. A dashed line indicates the GROUND connection.
- Service Switch:** A switch connected to the 120 VAC HOT line, which then feeds into the 120 VAC SECTION of the CONTROL MODULE.
- Transformer:** A transformer is connected to the 120 VAC SECTION, stepping down the voltage to 24 VAC.
- Outputs:** The 120 VAC SECTION controls a CIRCULATOR, a BLOWER, and an IGNITOR (represented by a resistor symbol).

24 VAC Section:

- Input:** 24 VAC, derived from the transformer, feeds into the 24 VAC SECTION of the CONTROL MODULE.
- Inputs:** The 24 VAC SECTION receives signals from a THERMOSTAT*, a BLOCK TEMP. LIMIT SW., a WATER TEMP. LIMIT SW., and an AIR PRESSURE SWITCH.
- Outputs:** The 24 VAC SECTION controls a VALVE/FLAME (represented by a resistor symbol), an IGNITOR (resistor symbol), a PURGE (represented by a resistor symbol), and a POWER (represented by a circle with a 'G' inside).
- Gas Valve:** The VALVE/FLAME and IGNITOR outputs are connected to a GAS VALVE, which is represented by a zigzag line.

Legend:

- *NOT PROVIDED

*NOT PROVIDED

WARNING

ELECTRICAL SHOCK HAZARD, CAN CAUSE SEVERE INJURY OR DEATH. DISCONNECT POWER BEFORE INSTALLING AND/OR SERVICING.

NOTES:

1. ALL WIRING MUST BE INSTALLED IN ACCORDANCE WITH:
- a. U.S.A. - N.E.C. AND ANY OTHER NATIONAL, STATE, OR LOCAL CODE REQUIREMENTS HAVING JURISDICTION.
 - b. CANADA - C.S.A., C22.1 C.E.C. PART 1 AND ANY OTHER NATIONAL, PROVINCIAL OR LOCAL CODE REQUIREMENTS HAVING JURISDICTION.

2. ALL SAFETY CIRCUIT WIRING MUST BE:
 - a. U.S.A. - N.E.C. CLASS 1.
 - b. CANADA - C.S.A. C22.1 C.E.C. PART 1.
3. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 90°C WIRE OR ITS EQUIVALENT MUST BE USED.
4. THERMOSTAT ANTICIPATOR SETTING (SINGLE ZONE):
SEE LABEL ON CONTROL MODULE.

5. FOR MULTIPLE ZONING USE EITHER ZONE VALVES OR CIRCULATORS. REFER TO THE COMPONENT MANUFACTURER'S INSTRUCTIONS FOR APPLICATION AND WIRING.
6. REFER TO CONTROL COMPONENT INSTRUCTIONS PACKED WITH THE BOILER FOR APPLICATION INFORMATION.

**NOTICE - ALL CONTACTS SHOWN WITHOUT POWER
APPLIED - OFF SHELF CONDITION.**