



# IXb Operation — wiring diagrams

**Figure 23** Ladder wiring diagram

## WARNING

Electrical shock hazard — can cause severe injury or death. Disconnect power before installing or servicing.

## NOTICE

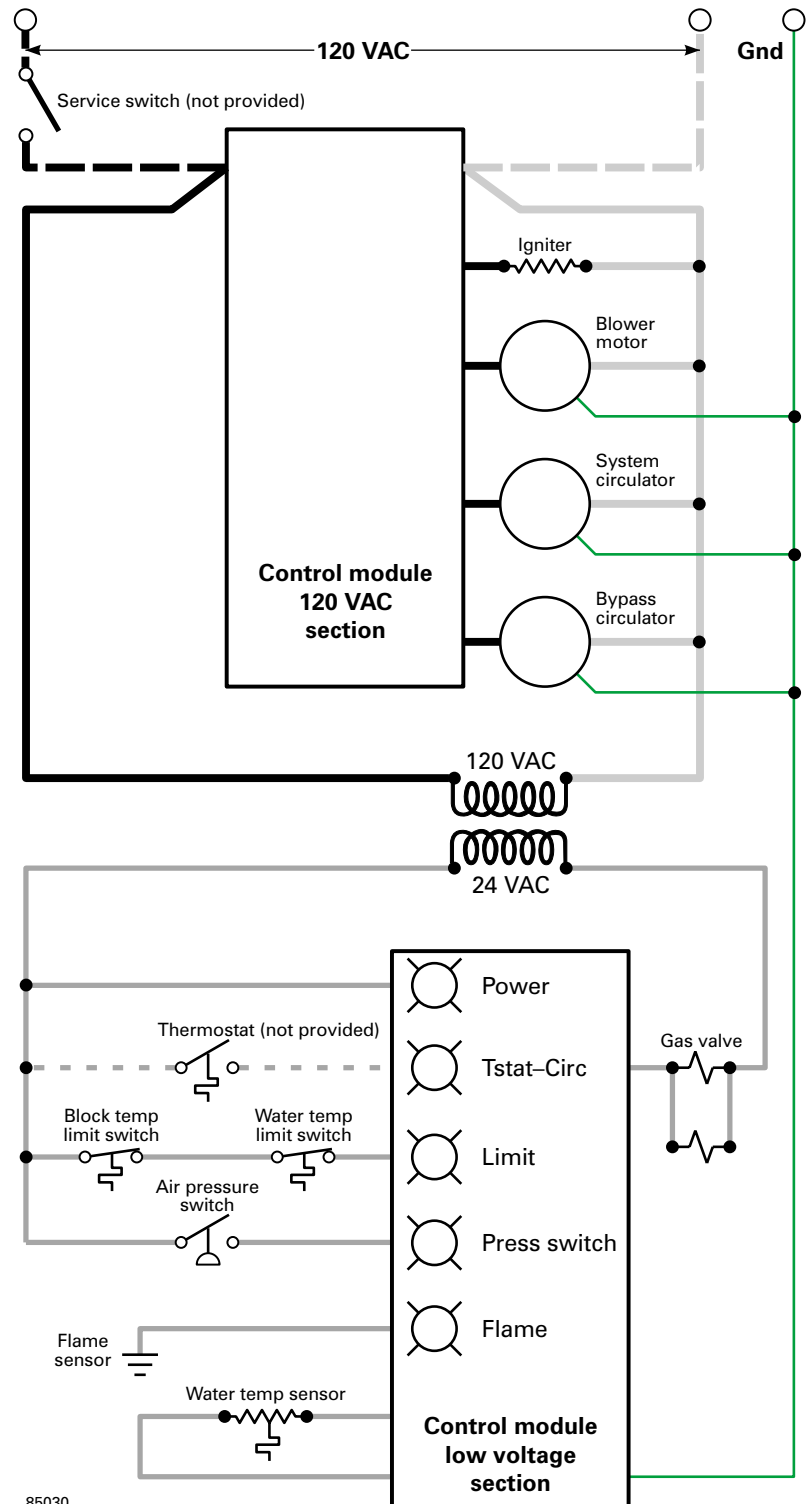
All contacts are shown without power applied.

### Ladder diagram legend

	120 VAC hot field wiring
	120 VAC neutral field wiring
	24 VAC field wiring
	120 VAC hot factory wiring
	120 VAC neutral factory wiring
	Low voltage factory wiring
	Ground connectors

### Notes

- All wiring must be installed in accordance with:
  - U.S.A. — N.E.C. and any other national, state, or local code requirements.
  - Canada — C.S.A. C22.1 C.E.C. Part 1 and any other national, provincial, or local code requirements.
- All wiring must be:
  - U.S.A. — N.E.C. Class 1.
  - Canada — C.S.A. C22.1 C.E.C. Part 1.
- If any of the original wire as supplied with the appliance must be replaced, use type 90 °C or its equivalent.
- Thermostat anticipator setting (single zone):  
0.1 AMP + Gas valve current
- For multiple zoning, use either zone valves or circulators. Refer to the component manufacturer's instructions and this manual for application and wiring suggestions.
- Refer to control component instructions packed with the boiler for application information.



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**Figure 24** Schematic wiring diagram

