

10 Electrical Information

A. Wiring Requirements

NOTICE: This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with **National Electric Code ANSI/NFPA 70-latest edition** or the **Canadian Electric Code CSA C22.1**.

- This appliance comes with a 110-120 VAC cord assembly. This is required for proper operation of the appliance (IntelliFire Ignition). An outlet box may be installed in a bottom back corner of the existing solid fuel masonry or factory built fireplace to plug in the cord assembly, or the supplied power cord may be routed out onto the hearth to a nearby outlet.
- A 110-120 VAC circuit for this product must be protected with ground-fault circuit-interrupter protection, in compliance with the applicable electrical codes, when it is installed in locations such as in bathrooms or near sinks.
- Low voltage and 110-120 VAC voltage cannot be shared within the same wall box.

WARNING! Risk of Shock or Explosion! DO NOT wire 110-120 VAC to the valve or to the appliance wall switch. Incorrect wiring will damage controls.

WARNING! Risk of Shock! Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

WARNING! Risk of Shock! Replace damaged wire with type 105° C rated wire. Wire must have high temperature insulation.

B. IntelliFire™ Plus Ignition System Wiring

- Wire an outlet box (110-120 VAC) in the bottom back corner of the existing solid fuel masonry or factory built fireplace to plug in the cord assembly, or the supplied cord assembly may be rerouted out onto the hearth to a nearby outlet for proper operation of the appliance.

WARNING! Risk of Shock or Explosion! DO NOT wire IPI controlled appliance junction box to a switched circuit. Incorrect wiring will override IPI safety lockout.

- Refer to Figure 10.1, IPI Wiring Diagram.
- This appliance is equipped with an IntelliFire™ Plus control valve which operates on a 6 volt system.
- Plug the 6 volt transformer plug into the appliance cord assembly to supply power to the unit OR install 4 AA cell batteries (not included) into the battery tray before use. See Section 2.G for instructions on locating battery tray and installing batteries.
- Battery longevity and performance will be affected by the service temperatures of this appliance. Batteries should only be used as a power source in the event of an emergency such as an outage.

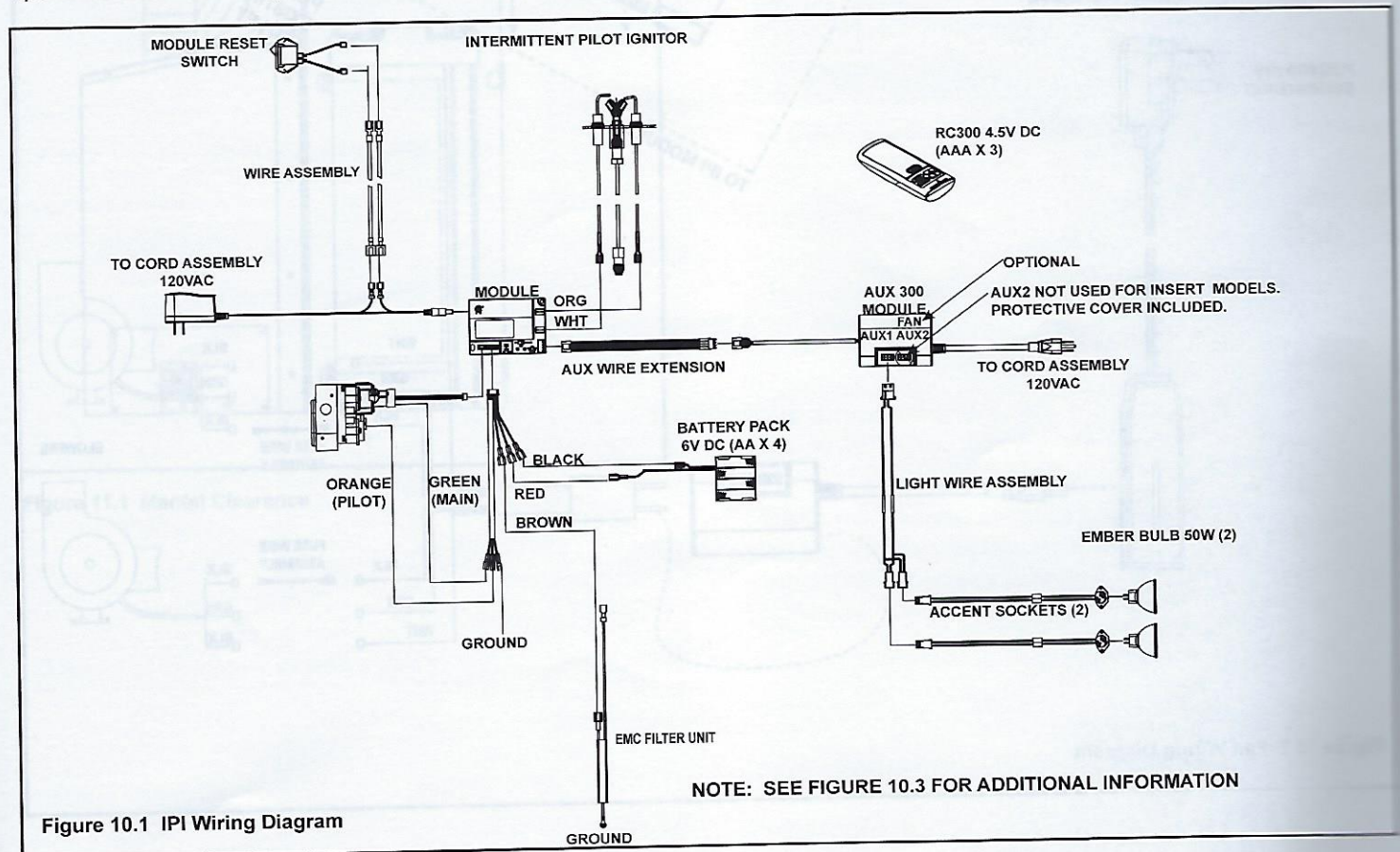


Figure 10.1 IPI Wiring Diagram