

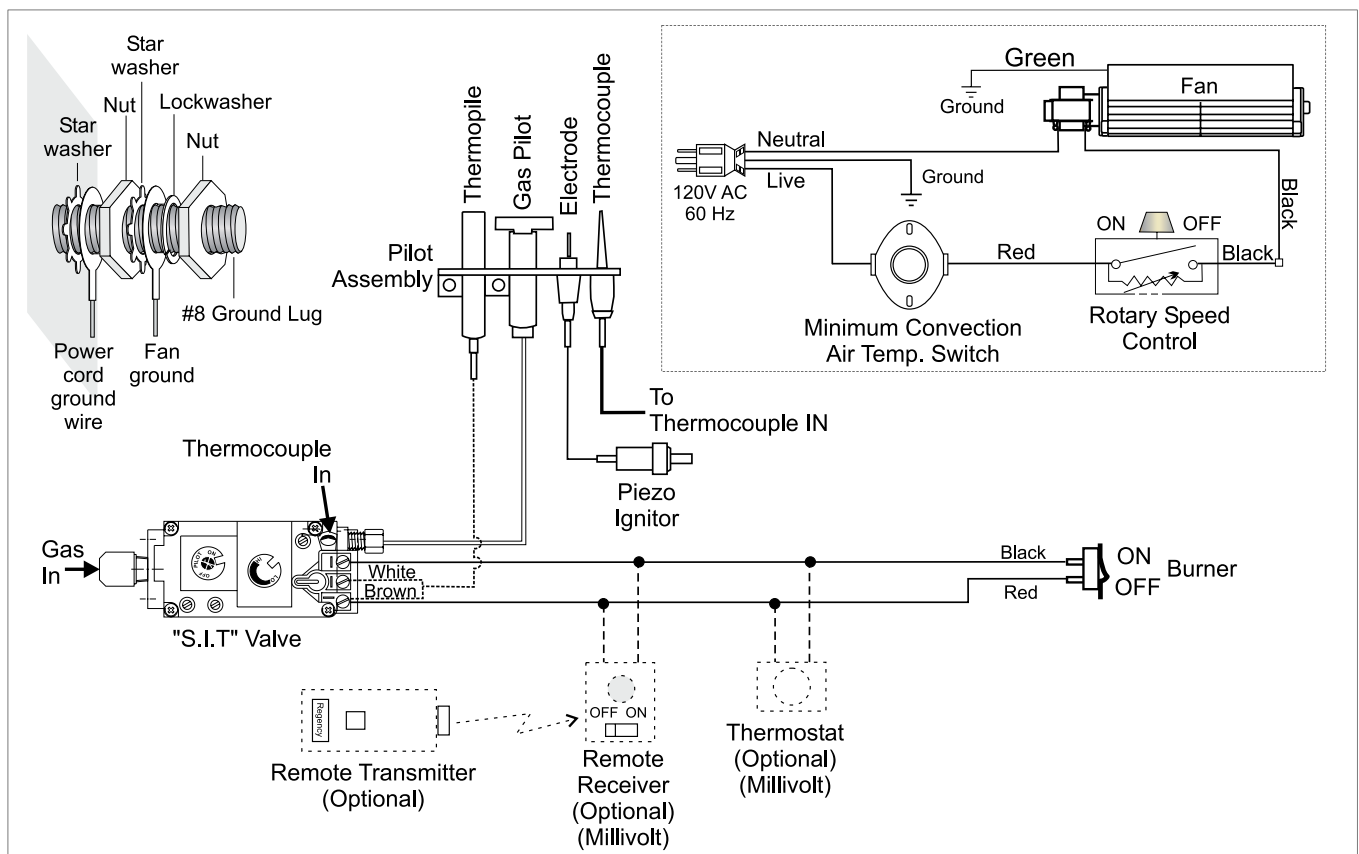
## WIRING DIAGRAMS

This heater does not require a 120V A.C. supply for operation. However, a 120V A.C. power supply is needed for the fan/blower operation.

**Caution:** Ensure that the wires do not touch any hot surfaces and are away from sharp edges.

**WARNING: Electrical Grounding Instructions**  
This appliance is equipped with a three pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

### For NATURAL GAS Units and Units NOT Equipped with DC Spark Boxes

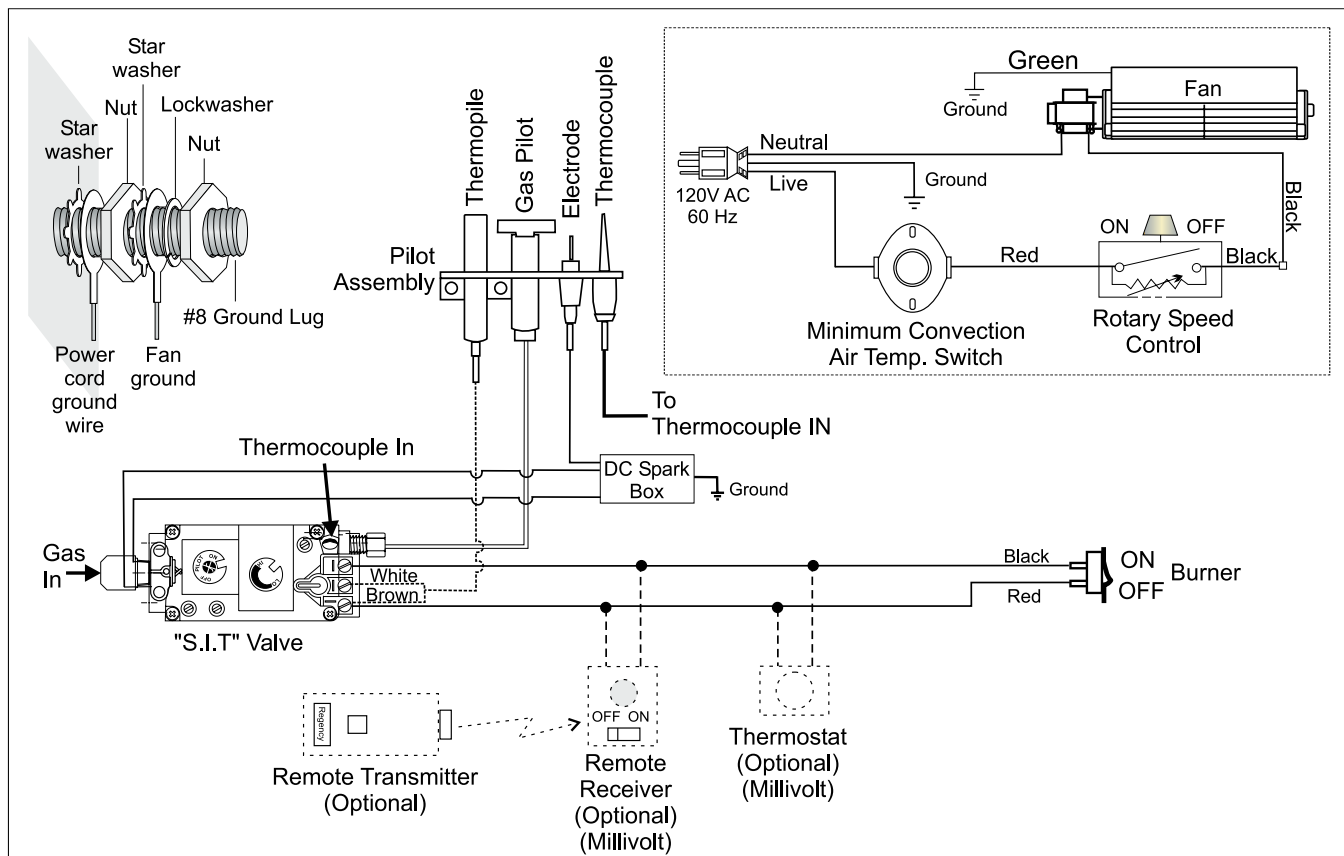


**CAUTION:** Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

# INSTALLATION

## For PROPANE Units and Units Equipped with DC Spark Boxes\*

\*For installation of the DC Spark Box refer to the LP Conversion instructions in this manual.



### OPTIONAL REMOTE CONTROL

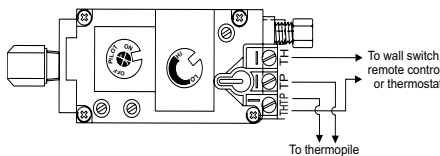
Use the FPI Remote Control Kit approved for this unit. Use of other systems may void your warranty.

The remote control kit comes with a hand held transmitter, a receiver and a wall mounting plate.

- 1) Choose a convenient location on the wall to install the receiver and the receptacle box (protection from extreme heat is very important). Run wires from the fireplace to that location. Use Thermostat Wire Table.
- 2) Connect the wires as per the wiring diagrams below.

**CAUTION**  
Do not connect the millivolt remote control wires to the 120V wires.

- 3) Install 3AAA alkaline batteries in transmitter and 4 AA alkaline batteries in the receiver. Install the receiver and its cover in the wall. Switch the remote receiver to "remote" mode. The remote control is now ready for operation. Refer to Remote manual for complete details.



### OPTIONAL WALL THERMOSTAT

A wall thermostat may be installed if desired, follow the wiring diagram. Note: the wires are connected to the "TH" on the gas valve. Use the table below to determine the maximum wire length. FPI offers an optional programmable thermostat but any 250-750 millivolt rated non-anticipator type thermostat that is CSA, ULC or UL approved may be used.

It is recommended that the thermostat be installed on an interior wall.

**CAUTION**  
Do not connect the millivolt wall thermostat wires to the 120V wires.

#### Thermostat Wire Table

Recommended Maximum Lead Length (Two-Wire) When Using Wall Thermostat (CP-2 System)	
Wire Size	Max. Length
14 GA.	50 Ft.
16 GA.	32 Ft.
18 GA.	20 Ft.
20 GA.	12 Ft.
22 GA.	9 Ft.