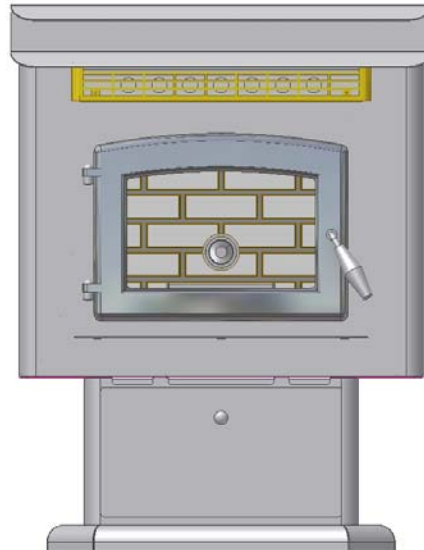


THE HEARTLAND MULTI-FUEL

INSTALLATION & OPERATIONAL INSTRUCTIONS OWNER'S MANUAL



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PROFESSIONAL INSTALLATION IS HIGHLY RECOMMENDED

- **WARNING:** If your appliance is not properly installed a house fire may result. For your safety, follow the installation directions.
- Contact local building or fire officials about restrictions and installation inspection requirements in your area. Local regulations and requirements can supersede those specified in this manual if more stringent.
- **PLEASE** read this entire manual before installation and use of this pellet fuel-burning room heater. Failure to follow these instructions could result in property damage, bodily injury, or even death.
- Save these instructions.

BLOWER SPEEDS

The convection blower (the one that blows air into the room), and the combustion blower are both controlled by the control panel depending on which heat level setting you set the stove on. The Blowers will operate at a pre-programmed speed depending upon the heat level setting you are operating the stove at. However, you can manually adjust the convection blower speed. You can increase the convection blower speed above the pre-programmed level by pressing the High Fan button. For optimal heat output and longevity of the convection blower, you should allow the convection fan to be controlled by the control panel most of the time. In most cases, you will only want to increase the convection fan speed when you lower the heat level setting by more than two levels. In such a case return it to the normal speed for the heat level you are operating the stove on after about 15 minutes.

NOTE: RUNNING THE CONVECTION FAN ON THE HIGH SETTING FOR LONG PERIODS OF TIME WILL DEGRADE THE LIFESPAN OF YOUR CONVECTION BLOWER.

SHUT DOWN PROCEDURES

The shut down procedures for the SP6000 Multi-fuel stove are simple and straight forward. Simply press the **ON/OFF** button one time and your unit will go into a pre-programmed shut down mode. Although not required, you may wish to open the damper completely. Your blowers will continue to run for as much as a half an hour or more until the stove cools to below approximately 90 degrees F. Allow the stove to complete its shut down procedure completely and do not unplug the stove until completed. During the shut-down procedure, some fuel in the auger system will be purged and dumped into the burn-pot.

CAUTION: AVOID OVERFIRING YOUR STOVE!

If at any time you observe a portion of the stove glowing red (other than the stir rod in the burn pot), you are overfiring the unit or some other malfunction has occurred. Immediately initiate shut down procedures by pressing the **On/Off** button one time. Allow the unit to go through the pre-programmed shut down cycle and contact your dealer. Observe the unit to ensure it does indeed shut down properly.

Do not unplug the stove as this will prevent the blowers from running and cooling your unit and could result in admitting smoke into the house.

RESTARTING A WARM STOVE

On occasion, the stove may have to be restarted when, for example, it has been shut off for ash cleaning. If there is no fire or glowing embers in the burn pot and no smoke present in the firebox, the viewing door can be opened. If the door is open for 30 seconds or more while the fans are running, the air pressure safety switch will deactivate and prevent the auger feed from operating, as indicated by the Heat Level 2 (red) light blinking. The fans will continue to run. You may then remove the Stir Rod Cotter Pin and remove the Stir Rod and Burn Pot to remove the ashes and unburned fuel.

CAUTION: THE BURN POT AND STIR ROD WILL BE HOT AND CAN CAUSE BURNS TO UNPROTECTED SKIN. USE THERMALLY INSULATED GLOVES TO REMOVE THE STIR ROD COTTER PIN, STIR ROD AND BURN POT.

Following the Lighting Instructions, place wood pellets in the burn pot, apply starter gel and light. Allow one to two minutes for the wood pellets to catch fire. Then shut the door, and press the On/Off button on the Control Panel. After approximately four minutes, you should observe the stove resume feeding fuel to the burn pot.

OPENING THE FUEL HOPPER LID

The stove is equipped with an auger interlock switch which interrupts power to the fuel feed auger when the lid is open. This is a safety feature required by the safety codes which will avoid injury should fingers or clothing become entangled with the fuel feed auger.

Depending on the heat level the stove at which the stove is operating, the fire in the burn pot may extinguish within a few minutes if the hopper lid is left open.

Bear this in mind when refueling the stove. This feature can also be used to temporarily stop the fuel feed if it appears that the burn pot has become full of unburned fuel. This can occasionally occur during startup depending on the amount of wood pellets used to start the fire. Do not leave the lid open for extended periods, as the fire will go out, and there is potential for admitting smoke to the room.

HEAT LEVEL LIGHT INDICATORS

The SP6000 Multi-Fuel Stove has five heat level settings that range from Low to High. This display serves multiple purposes and you need to be familiar with these purposes. These five settings show you not only what heat level setting the stove is operating on, but they will also show you error diagnostic codes if your stove is not operating properly.

During normal operation one of the heat level lights will be lit up. As you press this **HEAT LEVEL** button you can increase or decrease the heat level setting from Low to High. Whichever light is lit is the heat level setting you have the stove set to. Keep in mind that when you change the heat level (either up or down), there is a three minute delay between each change to allow the stove to adjust to the new fuel rate.

For example, let's assume that you are running the stove on the Low heat level. You want to increase the stove to the third heat level setting to get more heat. Press the **HEAT LEVEL** advance button and the second light will come on. Press it again, and the third light will come on. After approximately three minutes the auger feed rate and convection fan speed will increase to the second heat level setting. The stove will continue to function on the second heat level setting for three minutes. After three minutes the auger feed rate and convection fan speed will then increase to the third heat level setting.

The highest heat level (#5) should only be used for short periods of time in order to rapidly bring up the temperature of your home. **Do not use this setting for more than 2 hours at a time**, and be sure to allow several hours between each use. Prolonged use of this setting could damage your stove, shorten the life of the stove components, and even void your warranty. If you feel the need to use the #5 setting for long periods of time, you should consider using your home furnace to supplement your heat.

DIAGNOSTICS

The Heat Level lights will also give you an error message if the stove is not functioning properly, or if the stove shuts down during normal operation for some reason. This error message will be a flashing light on either the second (AS – Air Switch), third (POF – Proof of Fire Thermodisc), or fourth (HT – High Temp Thermodisc) heat level. It is very important to take notice of which light is flashing if you are having trouble operating your stove. This is a critical piece of information to supply to your dealer or the technical support department.

If the AS Light is flashing, this is an indication that the problem is related to airflow in the unit. Most of the time this is related to a dirty stove or exhaust pipe. Cleaning your stove and/or exhaust pipe well will generally resolve this problem. Also keep in mind that if you leave the viewing door open for more than 30 seconds the stove will shut down and the AS Light will flash. **THIS DOES NOT MEAN THAT THE AIR SWITCH IS DEFECTIVE.**

If the POF Light is flashing, this is an indication that either the POF thermodisc has tripped or is not functioning correctly, or you may have an auger jam, or you may have left the hopper lid open. **THIS DOES NOT MEAN THAT THE POF THERMODISC IS DEFECTIVE.**

If the HT Light is flashing, this is an indication that your stove has become too hot. Check to make sure that the fuel type is set in accordance with the type of fuel that you are burning. If you are burning a mixture of corn and pellets, you should select CORN as your fuel type. **THIS DOES NOT MEAN THAT THE HIGH TEMP THERMODISC IS DEFECTIVE.**

NOTE: SEE THE TROUBLESHOOTING GUIDE TOWARDS THE BACK OF THIS MANUAL FOR MORE DETAILED INFORMATION ABOUT ERROR CODES AND TROUBLESHOOTING PROCEDURES FOR YOUR STOVE.

OPTIONAL THERMOSTAT

INSTALLATION

Installing an optional thermostat may help you maintain a constant house temperature automatically. A millivolt thermostat is required for proper operation. A fixed wall mount or Breckwell's hand held remote could be used. (Contact your dealer or Breckwell to purchase a remote control or for more information.)

- A millivolt thermostat is required.
- Unplug the stove from the power outlet.
- The two thermostat wires connect to the thermostat terminal block on the lower left side of the back of the control panel.
- Insert the two wires in the terminal side and tighten the two screws to secure the wires.
- Either wire can be inserted into either terminal.

THERMOSTAT OPERATION

After properly installing the thermostat, move the mode of operation switch on the front of the control panel into the Thermostat mode. Plug the stove back into the power outlet. You are now ready to use the thermostat with your stove.

The thermostat will operate the stove in a "High/Low" mode. You will start your stove following the standard lighting directions previously discussed. You will then set your stove to the desired "high" heat level setting. Adjust the damper for the best operation; a good starting point for the damper is even with the ash lip, which is about halfway out. The "high" level can be anything above the Low setting up to the third heat level.

NOTE: YOU SHOULD NOT USE THE FOURTH OR FIFTH HEAT LEVEL WITH A THERMOSTAT.

When the thermostat is calling for heat, the unit will run on the heat level that you have the stove set at. When the thermostat is no longer calling for heat, the stove will automatically cycle down to the low heat level setting. The unit will remain on the low heat level setting until the thermostat again calls for heat. At that time the unit will cycle up to the heat level setting that the stove is set to. Keep in mind that there will be a three-minute delay between each heat level increase as the unit goes up each heat level setting.

The unit will continue to fluctuate between the low heat level setting and the higher setting that you set the control panel to until you push the **ON/OFF** button and turn the stove off.

The unit will follow the normal shut down procedure.

NOTE: IF THE POWER IS INTERRUPTED TO THE STOVE AND THE FIRE EXTINGUISHES, THE STOVE WILL REQUIRE MANUAL RELIGHTING. THE "HIGH" LEVEL MUST ALSO BE RESET.

