

ATTENTION INSTALLERS, PLEASE READ!

WARNING: YOU MUST CONFIRM THE STOVE IS INSTALLED PER THE INSTALLATION AND OPERATING INSTRUCTIONS INCLUDED WITH THE UNIT. THIS MUST INCLUDE NON-COMBUSTIBLE HEARTH PROTECTION, VENTING COMPLETE INCLUDING PROPER TERMINATION, POWER CONNECTIONS INCLUDING BATTERY OPERATION (IF INSTALLED), PROPER UNIT FAN AND FEED ADJUSTMENTS, AND CONSUMER OPERATING/ADJUSTMENT TRAINING.

CHECK LOCAL BUILDING CODES FOR STOVE INSTALLATION REQUIREMENTS.

STOVE SETUP CHECK LIST

For proper stove operation you must confirm the following steps to completing your installation:

- HEARTH PROTECTION
- VENT SYSTEM INSTALLATION
- AC POWER/BATTERY INSTALLATION
- FAN AND FEED TRIM ADJUSTMENTS
- CONSUMER STOVE OPERATION
- MANUAL & OPERATION INSTRUCTIONS

Hearth Protection:

Per installation manual, confirm the stove is placed on a non-combustible surface that extends beyond the stove base and protects floor and carpets.

Vent System Installation:

Per installation manual, confirm the pellet flue/vent system meets the minimum requirements of size 3" or 4" and the proper minimum height of 4'+. The vent system must have no more than three 90° bends and have a vertical/horizontal rise minimum of 3' vertical to 1' horizontal.

For proper stove operation, the flue system must have a **negative draft** on the stove. This is specially important in mountainous areas where storms and winds may cause the unit to sense a blocked flue. Minimum draft requirements during both low and high operation taken at flue connection is **-.01 IN/WC**. If this is not followed stove will shut down with blocked flue red light fault.

Power Requirements:

Confirm the unit is plugged into a 120VAC grounded plug. The load on the 120VAC circuit should not allow a 10% drop in voltage when other appliance or load is applied.

For best operation a 12V DC sealed lead acid battery should be connected. This battery should be full charged when connected at the stove. If not, the stove has a maximum charge rate of 1 ½ amp-hours and may take several days to full charge battery. Confirm battery connections by "green" LED battery light located on switch control panel. Do not assume the battery is capable of running stove during AC power failure until the battery is voltage checked during operation. Minimum battery voltage must be 10.9 volts continuous otherwise the stove will start a shut down.

FAN, FEED TRIM, THERMOSTAT SETTINGS

A new stove must be adjusted to run with the specific combination of altitude, flue pipe, general installation parameters, and pellets.

Main Control Board Adjustments

Altitude and general control board settings are made to stove by accessing the control board located on lower right side of the stove by removing phillips screws and access cover.

THERMOSTAT JUMPER SETTINGS:

Type Jumper is set Type 1 = Thermostat turndown will go Low and not shut off.
Type 2 = Thermostat turndown will go Low for 10 minutes and then shut off. **(Figure 1, #1)** Software 2.04 and later.

Altitude Jumper on center left of board (Factory set left pins "below 3000", option right pins "above 3000" sets feed lower, fan higher.) **(Figure 1, #2)**.

Factory Fan Speeds - The fan speeds are set at the factory and will not need adjustment most installations. If the fan settings require changing because of high drafts or altitude adjust as follows:

Steps to adjust fan speeds (if thermostat equipped, turn thermostat to call for continuous heat):

- 1) With stove warmed up and running on "**Low**" for 15 minutes, set feed trim to mid-setting 9:00 o'clock.
- 2) Adjust "Low" fan trim located on lower left control board so the flame on burn pot is approx. 2" above coals. Check voltage setting with DC volt meter, board points upper left of J-1, B-29 (factory set 7.0 volts).
- 3) Once "low" fan is adjusted, operate stove on "medium" setting for 5 minutes observing the burn. Pellets should fill center of burn pot and burn in a clean manner with a flame of 6".
- 4) Set stove on "High" and note fuel feeding to burn pot. Run unit for 5 minutes and confirm feed rate step down to medium. This occurs to maintain stove temperatures and save on fuel burn. Adjust High fan so the burn pot is cleaned by air blowing out ash all pellets burning clean. If required increase or decrease trim to adjust air (factory set 9.0 volts).
- 5) Re-install cover.

This completes fan and control board adjustments.

Adjustable Draft Damper

Check draft damper position in all installations. Standard setting is 50% open. In cases such as large chimneys and continuous operation on "High" a draft damper may be closed to 25% (1/4" open). This setting should not have to be changed once the stove is adjusted for the flue system

Feed Trim - Initial Setting

When first running the stove set the feed trim to 1:00 (Line Pointer Up).

Consumer may adjust feed trim on switch from the mid-setting as required to compensate of fuel and ash build up. If pellets feeding to fast, reduce feed trim (counter-clockwise) or increase feed trim (clockwise). Adjust in small amounts as trim various feed significantly.

Differences in Pellet Material

The base material used in manufacture of the pellet is directly related to how much adjustment and cleaning your stove will require. Wood is made up of a number of nature components. After the wood is burned, the left over material is ash and silica. If there is a low percentage of these materials in the wood, your Easyfire stove will eject this material out of the firepot and into the ash trap space inside the stove. During operation of the stove you will see the "fly ash" blown out into the bottom of the stove. If the pellet has a high percentage of ash and silica, these things combine in the firepot at very high temperature to form a large mass that cannot be blown out. This will cause the firepot to fill up and the stove to run poorly.

Fuel Selection & Operating Tips

The best way to minimize the time spent cleaning and adjusting your stove is to buy fuel that is low in ash and has a consistent size. There are many high quality fuels on the market that are in this category. Ask your dealer what fuel he or she has run in the stove and what works best. If you purchase fuel from another source, obtain only a couple of bags and try them out. If they run clean then consider purchasing a large quantity from that "lot."

This type of fuel purchasing strategy also keeps your costs down. Consider buying fuel early in the heating season or even before the season starts. Once you have verified that the fuel burns satisfactorily, a purchase of one ton will generally result in the lowest possible price. This will also allow you to set up the stove and run most of the season with very little adjustments.

Daily Operation notes for Consumer

Pellet stove heating is generally used to zone heat. This is the most practical application because you heat an area of the house that you spend the most time, i.e., the family room or living room. The stove is designed for continuous operation and is most efficient in the "Low" or "Medium" settings.

Check the stove during the day for fuel quantity and general operation. When opening the fueling lid the feed drive stops. If held open for more than a minute may cause the stove to go out. Always look through the glass at the firepot and the area above the pot. If the stove is adjusted properly with good quality fuel, the pot will be about a third full of "coals" and the surrounding area a light tan color. This color indicates clean combustion. If the firepot is more than a third full and or the area is black and sooting the firepot should be cleaned. This can be accomplished by shutting the stove down and removing the ash build up. Check your operating instructions

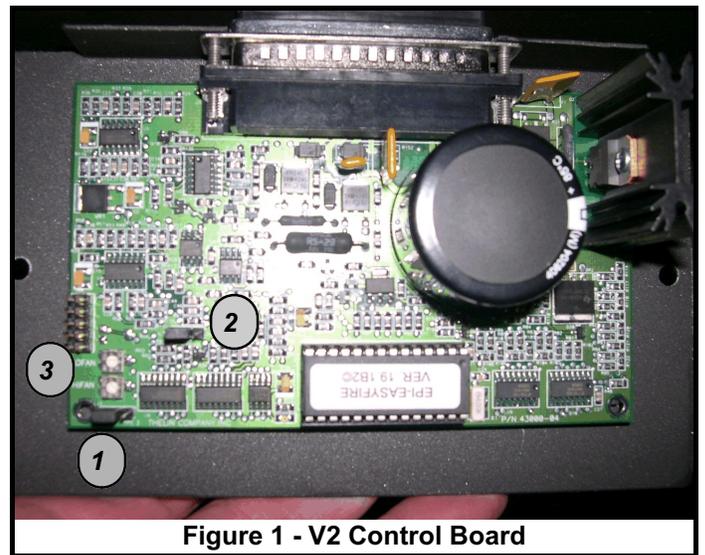


Figure 1 - V2 Control Board

included with your stove for shut down and cleaning.

!! PAINT CURING WARNING !!

FIRST START UP - RUN FOR 10 MINUTES AND SHUT OFF TO WARM STOVE AND CURE PAINT.

Check owners manual for additional information.

For additional information regarding pellet stove installations or operation contact dealer tech. service @ 775-241-2586x106 or x107

Customer Service & Replacement Parts

Replacement parts are available from your local dealer or on-line @www.thelinco.com.

Customer Service
Thelin Hearth Products, Inc.
63 Laxalt Drive
Carson City, NV 89706
(775) 241-25896
www.thelinco.com

