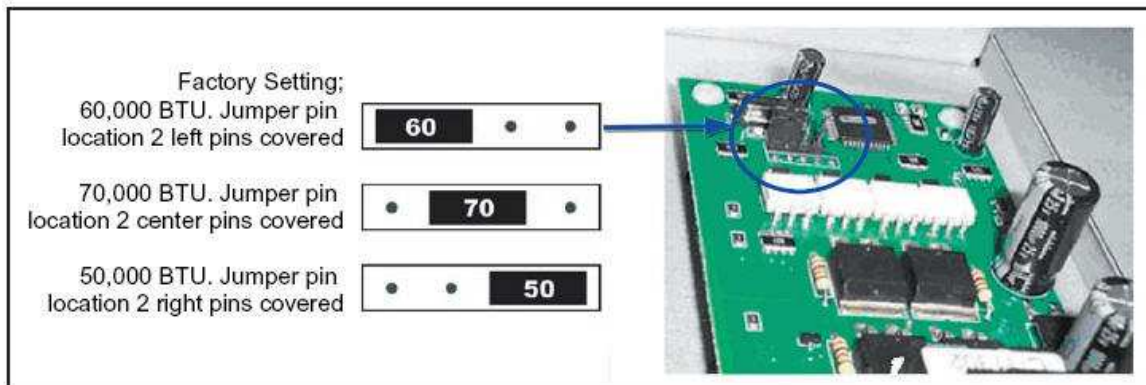


# Updated DHC 3000 Control Panel For Hudson River West Point and Sarnac Stove

"DHC 3000 Generation II - This board has a horizontal slide switch on the front and only one (1) fuse (See Picture Below).

The 70k BTU Hudson River West Point should have the Jumper on Pins 2-3

The 50K BTU Hudson River Sarnac stove would have the jumper on pins 3-4



# Update DHC 3000 Control Panel User Instructions

## Operating Instructions

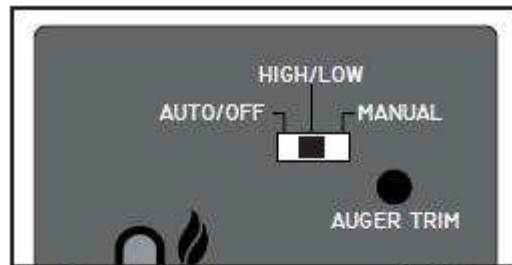


Figure 5: Thermostat Switch in HIGH/LOW position.

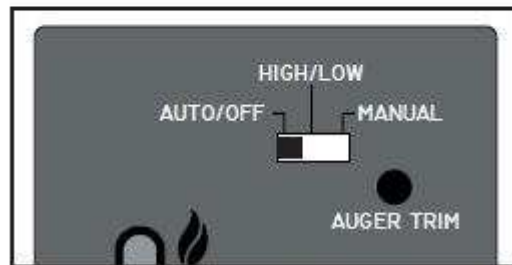


Figure 6: Thermostat Switch in ON/OFF position.

### **OPERATING YOUR PELLET STOVE:**

**PRE-BURN INSTRUCTIONS:** The burn pot liner holes must be clear and the liner installed properly against the ignitor tube for proper operation. Check the hopper for enough pellets to start the unit.

**DO NOT OPERATE THE UNIT WITH THE DOOR OR ASH PAN OPEN.**

**Note:** The thermostat mode can be changed during normal operation.

### **MANUAL MODE:**

All control of circuit board function is adjusted at the circuit board.

**To START:** Press the ON / OFF button. The stove will turn on. The system light will flash. The Auger Light will flash with each pulse of the auger (the Auger Feed Rate is pre-programmed during start-up). The Heat Level Indicator will show the Heat Level that the stove will run at after start-up.

If this is the first time the unit has been started or the unit has run out of fuel, the auger will need to be primed. Press the Manual Auger Feed button until fuel starts to drop into the Burn Pot Liner (see "OPERATING INSTRUCTIONS; CONTROL BOARD FUNCTIONS").

**To OPERATE:** When a fire has been established, the System Light will turn solid (after approximately 10 - 15 minutes) and the Auger Light will continue to flash to the corresponding Heat Level setting. The Heat Level button can now be pressed at this time to change the desired Heat Level Output setting.

The convection blower (room air blower) will turn on. The speed of this blower is controlled by the setting of the heat level output indicator. The convection blower can be turned OFF by depressing the convection blower control button. For the best efficiency and to prevent cycling, the convection blower should be left on at all times.

When operating on LOW HEAT LEVEL, the feed rate can be adjusted, using the auger trim, for different quality fuels. These settings can be used if the fire keeps going out on low (poor quality fuel). Or if the low setting is too hot for the room (see "OPERATING INSTRUCTIONS; CONTROL BOARD FUNCTIONS").

**HIGH/LOW MODE:** (Requires a thermostat)

**INITIAL START-UP:** See manual mode above.

**OPERATION:** When the thermostat calls for heat (contacts are closed) the stove settings are adjustable as per Manual Mode. When the thermostat contacts open, the HEAT LEVEL and Fans will drop down to the LOW setting until the thermostat contacts close again. \*The LOW heat setting can be adjusted for different fuel qualities (see "OPERATING INSTRUCTIONS - CONTROL BOARD FUNCTIONS"). The stove will come back to the previous HEAT LEVEL setting when the thermostat contacts close again.

**AUTO/OFF MODE:** (Requires a thermostat)

**INITIAL START-UP:** See manual mode above.

**OPERATION:** When the thermostat contacts close, the unit will light automatically. Once up to temperature, the stove operates the same as in MANUAL. When the thermostat contacts open, the stove's

HEAT LEVEL and Fans will drop down to the LOW setting for 30 minutes. If the thermostat contacts close within the 30 min, the HEAT LEVEL will return to the previous MANUAL setting. If the thermostat contacts remain open the stove automatically begins its shutdown routine. The stove will re-light when the thermostat contacts close again.

#### **TURNING YOUR PELLET STOVE OFF:**

- MANUAL and HI / LOW mode: To turn the unit OFF, simply press the ON / OFF button. This will stop the feed of pellets. The blowers will continue to operate and cool the stove down. When cool enough, the stove will turn off.
- AUTO / OFF mode: To turn the unit OFF, turn the thermostat down or off.

**DO NOT unplug unit while Combustion fan is operating**