



Pellet Stoves
Wood Stoves
Gas Stoves
Multi-Fuel Stoves

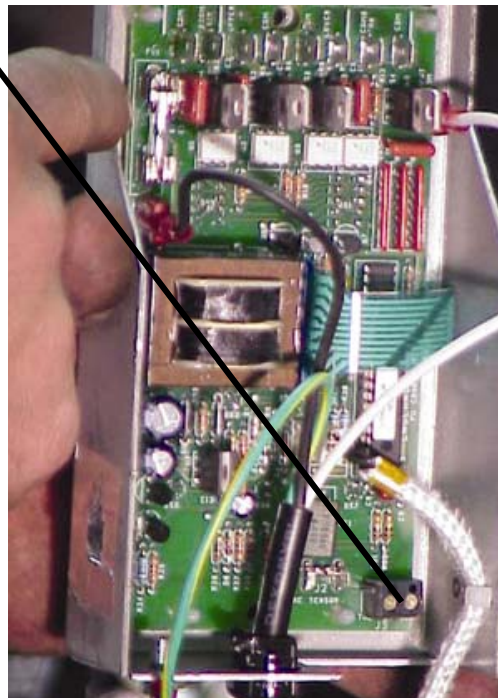
P.O. Box 206 Monroe, VA 24574 www.englishstoves.com Phone: (800) 516-3636 Fax: (434) 929-4810

Installing the PU-DTSTAT

BEFORE BEGINNING THERMOSTAT INSTALLATION BE CERTAIN THE STOVE IS UNPLUGGED AND COMPLETELY COOL. DEPENDING ON WHICH STOVE THE THERMOSTAT IS BEING INSTALLED ON, THE CONTROL BOARD MAY NEED TO BE REMOVED FOR INSTALLATION.

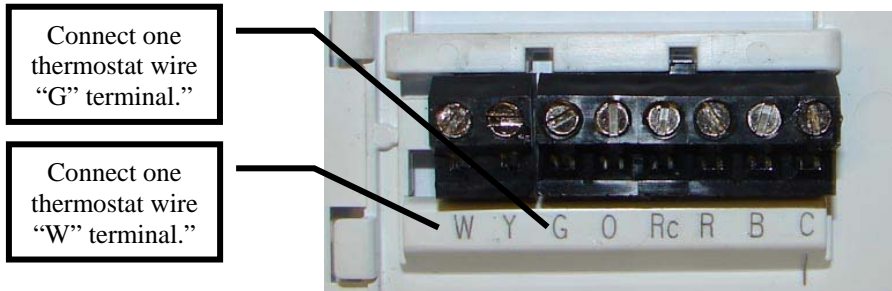
1. Using a small, slotted screwdriver (often referred to as a jeweler's screwdriver), loosen the two screws on the front of the J18 thermostat terminal, shown below and remove the jumper which is installed in the terminal from the factory. This jumper should be set aside and saved.

Connect
thermostat
wires here
(J18)

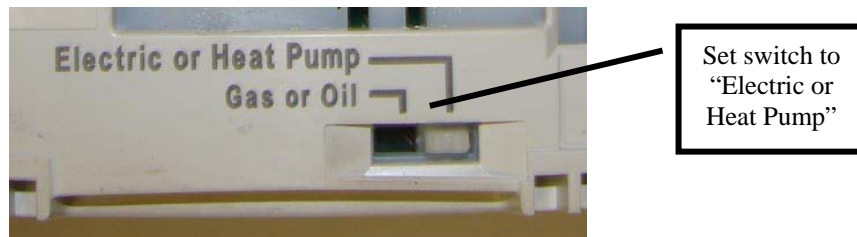


2. Insert one of the thermostat wires into each of the terminals on the bottom of the J18 thermostat connection block and tighten the screws on the front of the thermostat terminal. The thermostat wires should be securely held in place by these screws (remember that the thermostat is not polarity specific, so it will not matter which wire goes into either terminal).

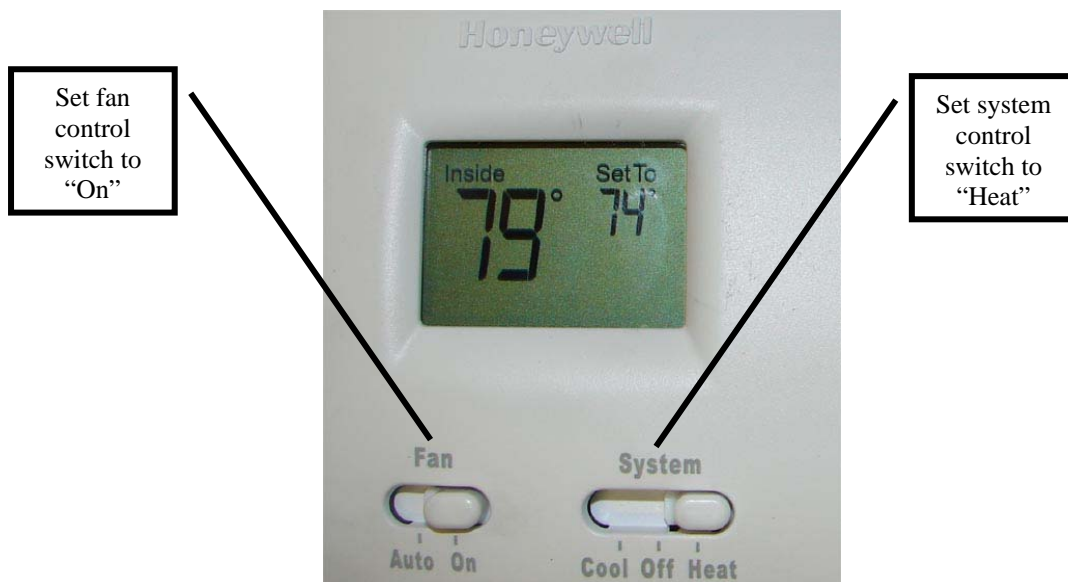
3. Pull the two halves of the thermostat apart so that the interior of the thermostat is visible. Install one thermostat wire into the “G” terminal of the thermostat and the other wire into the “W” terminal (it does not matter which wire color is installed at each terminal). Use the previously mentioned jeweler’s screwdriver to tighten the retaining screws and tightly secure the wires into the thermostat.



4. With the two halves of the thermostat still apart, be certain to set the selector switch to “Electric or Heat Pump”.



5. After mounting the thermostat on the wall and reinstalling all panels removed from the stove, the batteries can be inserted into the thermostat. Once powered on, the fan control switch (lower left switch) of the thermostat must be slid to the word “On” and the system control switch (lower right switch) must be slid to the “Heat” position, as shown below.



6. Consult the Owner’s Manual of your stove (and see the chart below) for more details on how the thermostat works with your control board to manage heat output and fuel usage.

<u>Stove</u>	<u>Thermostat Function</u>	<u>Stove</u>	<u>Thermostat Function</u>
25-PDV 55-SHP22 55-TRP22	Thermostat puts stove into idle mode when the call for heat is gone (control board does not indicate change).	10-CDV 49-SHC22 49-TRC22	Thermostat puts stove into idle mode when the call for heat is gone (control board does not indicate change).
25-PDVC 55-SHP10 55-TRP10	Thermostat puts stove into idle mode when the call for heat is gone (control board does not indicate change).	10-CPM 49-SHCPM 49-TRCPM	Thermostat turns stove completely on and off.
25-PUF 55-SHP240 55-TRP240	Thermostat puts stove into idle mode when the call for heat is gone (control board does not indicate change).	25-EP 55-SHPEP 55-TRPEP	Thermostat turns stove completely on and off.



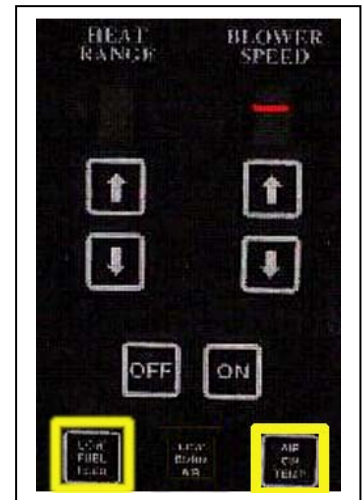
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THERMOSTAT TEST - for our pellet units with “auto-ignite”

To test the operation of an external thermostat when installed on an ESW pellet unit, use the following procedure:

1. The stove should be shut down completely and the thermostat should already be installed per the included instructions.
2. Unplug the unit from the power source, then plug the unit back in.
3. Using two fingers, quickly (within 5 seconds) press and release the “low fuel feed” and the “air on temp” buttons at the same time and then release them. The control board should display a dash in the “blower speed” readout (Note: on some boards there will also be a dash in the “heat range” readout).
4. This dash indicates the thermostat is calling for heat. To test function of the thermostat, lower the temperature on the thermostat below the existing room temperature – this should cause the thermostat to stop calling for heat and the dash in the blower speed readout should disappear. Then turn the heat back up on the thermostat and verify that the dash returns, indicating the thermostat has called for heat again.
5. To take the stove out of test mode and back to running mode, simply unplug the stove and plug it back in.



Troubleshooting:

1. If the dash does not go out when the temperature is lowered, check to ensure that the thermostat wires are not touching each other at either end.
2. If the dash will not appear regardless of the temperature setting on the thermostat, check your wire connections at the thermostat and at the circuit board, to determine if a connection is loose.
3. If the thermostat was not purchased through ESW and the dash does not appear or disappear by temperature as described above, refer to the directions for the thermostat to verify that the wiring is correct for a simple “open/closed” operation; also check for any other switches which may not be set for this operation.
4. If these suggestions do not produce the desired results, contact Technical Support at 800-245-6489.