

## Calibrating the internal thermometer on the A06 PC Board

The base-line calibration of the internal thermometer in the heater can be re-calibrated to match the actual room temperature when you have an independent room thermometer that indicates that the heater thermometer is not accurate the way it arrived from the factory.

This procedure can be completed directly with the PC Board controls on the front panel. Instructions for using the PC Board controls to change the base-line thermometer setting inside the heater are as follows:

1. Turn the heater on. Determine what the heater thinks the temperature in the room is (base-line temperature) by pressing “up” and “down” buttons at the same time. The heater will display the temperature that it thinks the room is at. This may or may not correspond with the wall thermostat setting. If the heater thermostat does not register the same as the wall thermostat, this is what you are about to change.
2. Release the buttons and wait 15 seconds for the heater to return to its regular function.
3. To continue with the re-calibration, press “up” and “enter” at the same time and hold until the heater displays what it thinks the room temperature is. The display will begin to flash this number.
4. Press “enter” again. Now, press the “up” or “down” buttons until the number on the heaters display screen matches the room temperature of the room thermometer on the wall. Once you are satisfied with the number on the display screen of the heater, press “enter” again.
5. Allow the heater to return to its original function. The display will now revert to a temperature setting that is derived from the new base-line temperature. Now, press the “temperature” button and when the display starts flashing, adjust the room temperature to your desired setting by pushing the appropriate “up” or “down” button. Once the display matches your desired room temperature, press the “enter” button to establish the new set point for the temperature which takes the heater out of the temperature calibration mode.

The heater will now monitor the new temperature displayed on the screen and will turn the infrared on and off to maintain this desired temperature.

Note: The heater operates the infrared heating elements only when the “heat-on” light is on, showing that the heater is in heating mode. Each time you press “enter” you can select a mode in which to operate the heater – you can choose to operate with just the heat on, or both the heat and the air purification on, or you can turn the heat off and operate the air purification independently. Do not confuse the “infrared-on” light with the “heat-on” light. The “Infrared-on” light only appears when the temperature in the room falls below the temperature set point on the display screen. Remember that the heater thermostat sensor will vary by 2 degrees between when it turns the infrared on and when it turns the infrared off. Also, note that the fan continues to run for a couple of minutes after the infrared sensor in the heater shuts the infrared elements off. This is to allow the internal components to cool off gradually and not overheat. One further note – when the display screen goes into “sleep” mode after 1 or 2 minutes (depending on the model year), you will see only a few lighted “dots” at the bottom of the screen. This is to let you know that the heater is functioning normally even though the display has gone into sleep mode. Pushing any button will bring the full display back. The “Infrared-on” light will continue to turn on when the infrared elements are on even though the display is in “sleep” mode. Hint: If you are periodically monitoring your heater functions, don’t confuse the “sleep” mode dots with the “Infrared-on” light.