



## RCE-592ACPA Gas Pressure Setting Procedure

**WARNING** The RCE-592ACPA is a vent free heater and cannot be converted to use another gas type. It must be programmed for the gas type indicated on the rating plate.

All settings and adjustments MUST be performed by a qualified service technician.

1. Unplug the unit from the power supply and remove the front panel. Locate and remove the Allen head test port plug on the gas valve. Attach the manometer to this test port. Plug the unit back into the power supply.
2. While the unit is off, press the "SW2" button located on the upper right hand corner of the PC board. Using the up "▲" or down "▼" arrow buttons, select the gas type. This must match the gas type on the rating plate. The number "13" indicates natural gas; "LP" indicates propane gas. After selecting the gas type press the "SW2" twice to enter the appropriate settings into memory.
3. Press the "On/Off" button to allow the unit to cycle on. Make sure that combustion takes place.
4. Press the "SW2" button on the PC board twice. The display should change to "PL" indicating the unit has been placed into forced low fire mode.
5. Set the low fire gas pressure to the value indicated below. To decrease the gas pressure press the down arrow button "▼" on the control panel. To increase the gas pressure press the up arrow button "▲" on the control panel.
  - Low fire gas pressure setting (Propane gas): 0.80 inch W.C.
  - Low fire gas pressure setting (Natural gas): 0.28 inch W.C.
6. Press the "On Timer" button once to enter the low fire gas pressure setting into memory.
7. Press the "SW2" button on the PC board twice. The display should change to "PH" indicating the unit has been placed into force high fire mode.
8. Set the high fire gas pressure to the value indicated below. To decrease the gas pressure press the down arrow button "▼" on the control panel. To increase the gas pressure press the up arrow button "▲" on the control panel.
  - High fire gas pressure setting (Propane gas): 6.2 inch W.C.
  - High fire gas pressure setting (Natural gas): 5.1 inch W.C.
9. Press the "On Timer" button once to enter the high fire gas pressure setting into memory.
10. Confirm that the gas pressures were properly set by pressing the "SW2" and "On Timer" buttons (steps 4, 6, 7, and 9).
11. Press the "On/Off" button to shut the unit off. This exits the programming mode and stores the program into memory.
12. Turn the gas supply off to the unit. Disconnect the manometer from the unit and install the Allen test port plug.
13. Turn the gas supply on and turn on the unit so that combustion takes place. Check around the Allen test port plug for gas leaks using a gas leak solution or tester. If no leaks are found turn the unit off and unplug it.
14. Install the front panel onto the unit.
15. Plug the unit back into the power supply.