

TROUBLESHOOTING THE VULCAN "A" CONTROL

PROBLEM	CHECK LIST / CAUSES
Not Heating	Does the green power switch light? No: - Check power receptacle or outlet for power. - Check line or power cord connections. - Check door that it is completely closed. Door switch may be interrupting power. Yes: - Check the control knob and verify that it is turned to desired temperature. - Check the fuse on the controller PCB. - Check heating element plates for continuity. - If muffle is hot but the meter reads a low temperature check the thermocouple for shorts to the cabinet.
Slow heating	The control will slowly approach the setpoint temperature. Set to a higher temp and then turn down to reduce the heatup time.
Poor Temperature Accuracy	On the low voltage model (100-125VAC) the heating element plates are wired in parallel. If one plate fails the furnace will heat very slowly and not reach the setpoint temperature. Slight changes in the knob rotation will have a significant impact on the setpoint temperature. If major differences exist between the meter and the knob scale a temperature adjustment can be made as described on page 9 "Temperature Adjustment".
Door Too Loose or Tight	The amount of force or drag on the door movement can be changed by adjusting the hex screws located on the upper rear corners of the furnace cabinet. Turning the screw clockwise adds drag and requires more force.