

SAUNA TROUBLE SHOOTING

<u>Problem</u>	<u>Probable Cause</u>	<u>Remedy</u>
Note: Except where noted otherwise, reference to control refers to TPT3 mechanical control		
Heater will not start	Control wired incorrectly	Check wiring diagram carefully to ensure control circuit is wired correctly
	High temperature control has tripped	Using pencil or other non-conductive material, carefully push in "reset" button at front bottom of heater
	Thermostat off or set below room temperature	Turn thermostat clockwise. Saunas are generally set to between 80-90 C. (175-194. F)
	Timer off	Turn timer clockwise
	No Power	Turn on breaker. If on, it may be faulty or installed incorrectly. Call for service.
	Faulty magnetic contactor (applies only to heaters 7.5 kw & larger)	Call for assistance. Call service person.
Sauna not hot enough	Temperature not set high enough	Set thermostat higher- normal range is 80-90. C.
	Thermostat sensor not positioned properly	Relocate sensor. Should be @ ceiling 1'-2' from heater, 1" from ceiling.
	Thermostat miscalibrated	Recalibrate or replace
Sauna on, but no real heat. Elements are not glowing red.	Sauna has been wired at 120 volt. (Note:two 120 volt lines does not make 240 volt.	Call qualified service person. Using meter, confirm there is 240 across line 1 and line 2.
One or more elements not glowing red	One or more elements burned out	Replace element
Pilot light on. No Heat	High Limit tripped	Reset. (See above)
	High Limit defective	Replace high limit
High Limit trips frequently	Too many rocks or rocks packed too tightly, trapping heat inside. (very common)	Leave one side of rock tray free of rocks. Rocks should be stacked so that air can pass through.
	Thermostat sensor not positioned properly (very common)	Relocate sensor. Should be at ceiling 1' -2' from heater, 1" max. from ceiling. (If bulb is further away it will report a lower temperature and the heater will stay on too long. You can also try to lower temperature setpoint on thermostat to "compensate" for the false reading.
	Thermostat broken or miscalibrated	Recalibrate or replace
	(Public) Sauna being tampered with by users; i.e splashing water or placing wet towel on thermostat sensor bulb	Close sauna to public use. Run heater for 2-3 three hours. If sauna does not trip, this suggests the problem is user tampering.
	High Limit defective	Replace high limit
Sauna too hot	Sensor not properly positioned	Reposition sensor or lower thermostat setting to compensate.
	Thermostat broken or miscalibrated	Recalibrate or replace
Breaker trips frequently	G.F.C.I. breaker was used	Replace with standard breaker
	Breaker too small for heater installed	Replace with properly rated breaker
	Short circuit or ground in wiring	Call service person.