

## 2.1. Check Fuses

This test must be carried out by a qualified technician.

To gain access to the internal fuses: -

- Remove the power supply and all other electrical connections from the rear of the Temperature Controller
- Remove the four Pozi-drive screws from the front panel of the controller
- Hold the front bezel either side and pull towards you. This will slide the controller chassis and components forward so they can be removed from the controller case
- There are four rectangular (110 VAC) or four circular (240 VAC) fuses on the printed circuit board now exposed

	<b>110 VAC Function</b>		<b>Solent Part Number</b>
<b>FS1</b>	1A	Temperature Programmer	32-0168
<b>FS2</b>	200 mA	Fan	32-0171
<b>FS3</b>	4A	Heater	32-0170
<b>FS4</b>	5A	Neutral	32-0169

	<b>240 VAC Function</b>		<b>Solent Part Number</b>
<b>FS1</b>	1A	Temperature Programmer	32-0121
<b>FS2</b>	100 mA	Fan	32-0119
<b>FS3</b>	2.5A	Heater	32-0226
<b>FS4</b>	4A	Neutral	32-0227

- Remove each fuse in turn and check for continuity. If there is an infinite resistance then this fuse has blown and needs replacing. If there is a low resistance then the slow blow fuse is functioning correctly.
- 110 VAC Fuses are described as TE5 Antisurge Submin PCB T Fuse
- 240 VAC Fuses are described as TR5 Antisurge Submin PCB T Fuse
- Should a fuse be found to have blown then replacements can be purchased locally or through Solent Scientific.
- If the fault returns after a new fuse has been installed then the complete temperature control system (Heater, Temperature Controller and Temperature Sensor) will need to be returned to Solent Scientific for repair and re-calibration.