

TROUBLESHOOTING A LABEC REFRIGERATOR/FREEZER WITH LAE CONTROLLER

<p>TO DISABLE THE SOUNDING ALARM</p>	<p>(i) Hold the AUX button on the display for 6(six) seconds to disable the sound alarm. The current chamber temperature will be displayed.</p>
<p>TO CHECK THE LAE CONTROLLER SETTINGS</p>	<p>(i) Access the program menu on the display by pressing and holding <u>in order</u> the:</p> <p style="text-align: center;">◀◀ -◀ then SET then ▶-▶▶ buttons and hold for 6(six) seconds: ScL will display.</p> <p>(ii) Check the settings on the controller are the <u>SAME</u> as the settings used in the LAE Controller manual. Adjust settings to instruction manual settings where required. Download from Web Site "Services Page".</p>
<p>IF THE ALARM CONTINUES TO SOUND</p>	<p>Adjust the ATD value up to increase the timer before the controller sounds/indicates the alarm. The higher value for ATD the longer period before alarm condition is reached so the chamber can recover to the set temperature within that time. Also you can increase the ATL and ATH values so that the movement of temperature away from the set temperature is not tight.</p>
<p>IF THERE IS NO POWER TO THE CHAMBER</p>	<p>(i) Check the power supply is working by plugging in a known working device. (ii) Have an electrician check the power cord and internal electrics are in order. Otherwise contact Labec.</p>
<p>IF THERE IS POWER BUT THE CHAMBER IS NOT COOLING</p>	<p>(i) Check the controller setting match the default settings in the controller manual supplied inside the operating manual. (ii) Reset the controller settings and then allow the chamber to run for several hours. Switch off the mains power then feel if the compressor motor behind the unit to see if it is warm. If not contact Labec.</p>
<p>IF THE CHAMBER IS SLIGHTLY TOO HOT OT TOO COLD</p>	<p>Check the temperature with an external probe. If the temperature is too hot adjust OSI value up by the amount the chamber is too hot and then allow the chamber to run again for an hour or so. Repeat until the temperature matches the temperature on the calibrating sensor. If it is too cold adjust OSI down by the amount the chamber is too cold.</p>
<p>IF THE TEMPERATURE FLUCTUATES TOO MUCH AND "BOUNCES" AROUND THE SET POINT</p>	<p>(I) Adjust the SIM value so that the chamber temperature is measured less often so that small changes in the chamber temperature will not be displayed on the controller and will not indicate temperature fluctuations (i.e. door opening). OR (II) Decrease the HYS value so that the chamber temperature is not allowed to move so far from the set temperature before the cooling compressor is switched on and off in maintain the set temperature.</p>