

CONTHERM SCIENTIFIC LTD

TECHNICAL MEMORANDUM

PRODUCT : ZP20 PCB

No : 0067

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FROM : Contherm Scientific Ltd

DATE : 25/2/97

TO : All Agents

**SUBJECT** :  
Configuration Settings on ZP20 PCB's.

There have been a number of recorded instances where customers who have purchased a new INCUBATOR or OVEN have found that it has reverted to an DIFFERENT mode, this can cause some feature not to operate as expected.

The configuration settings may also have to be altered when replacing an existing ZP20 pcb in the field.

The following details the button(s) to be pressed during the '8888's power up sequence to configure the ZP20 pcb for a particular cabinet.

Only cabinets with a ZP20 pcb are affected, ie cabinets with a serial number starting with '96' or later. (On ZP20 pcb's the '[' & ']' brackets are LARGER than the colon on the timer).

if your customers cabinet displays any of the following problems carry out a new configuration procedure as described.

- A) '4---' alarm on an OVEN with actual temperature about 104°C.
- B) RAMP facility no longer present.

**CONFIGURATION PROCEDURE:**

- 1) Turn power switch on cabinet to OFF.
- 2) Turn switch back ON **and then** while '8888's are being displayed on LCD Press and HOLD the 'RAMP' button to reconfigure cabinet as an OVEN, the cabinet will 'BEEP' twice to inform of the change of configuration, then release the button.
- 3) Advise your customer NOT to press any buttons while the '8888's are displayed during normal operation.

<b>CABINET TYPE</b>	<b>BUTTON</b>
INCUBATOR	TEMP
OVEN	RAMP
COOLED INCUBATOR	TEMP + TIME
MCP INCUBATOR	PROG + TIME

When more than 1 button is specified BOTH buttons must be held down together.

**NB:** There is a small jumper located at the connector end of the PCB: For INCUBATORS & OVENS ensure the jumper is ON.  
For Cooled or Programmable incubators ensure it is OFF.