CONTHERM *Scientific Limited*

TECHNICAL MEMORANDUM   **PRODUCT :PLCS5**   **No :
0071**

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FROM : Contherm Scientific Ltd   **DATE :** 7/4/2000

TO : ALL AGENTS

SUBJECT : CANCELLING PRESET (03) ALARMS

This alarm is SPECIAL and can **ONLY** be cancelled by using the SPECIAL procedure outlined below. The alarm indicates that the cabinet MAY have lost some of its settings ('**03**') most likely due to being disconnected from the power for more than 48 hours.

To ensure that the required settings and CALIBRATION factors are checked it is necessary to EXAMINE ALL the program settings and TEMPERATURE and HUMIDITY calibration factors. If there was more than one program running the settings for the additional programs should also be checked but this is NOT   essential in order to cancel the alarm.

The following procedure is recommended:
1)   Press the 'SELECT' button adjacent to the green temperature display and confirm the SET POINT is correct, if not then adjust it using the 'UP' and 'DOWN' buttons. Press 'SELECT' again if the 'SET' LED above the display is ON so that it goes OFF. - REPEAT for all the other Green display parameters (TIME, HUMIDITY, LIGHT etc). Press the 'SELECT' button EVEN for parameters that are NOT fitted.

2)   **Calibration Factors:**
- Press the 'SELECT' button adjacent to the red 'DIAGNOSTICS/ALARMS' display, the 'SET' led should come on. Use the 'UP' button obtain diagnostic No20 (Calibrate Temp), check that the current value is correct. (Check against the Factory Cal Factor - on front cover of manual, or other known Cal Factor),
- Press 'SELECT' again and if NOT correct adjust Cal Factor using the 'UP' and 'DOWN' buttons.
- Press the 'SELECT' button a third time to exit the DIAGNOSTIC routines. The 'SET' led should now be OFF.   **NB:** if you delay too long the system will AUTOMATICALLY step through and exit the diagnostic routine.

- Press the 'SELECT' button adjacent to the red 'DIAGNOSTICS/ALARMS' display and using the 'UP' button obtain diagnostic No21 (Calibrate RH), check that the current value is correct. Check against the Factory Cal Factor - on front cover of manual, or other known Cal Factor).
- Press 'SELECT' again and if NOT correct adjust Cal Factor using the 'UP' and 'DOWN' buttons.

- Press the 'SELECT' button a third time to exit the DIAGNOSTIC routines. The 'SET' led should now be OFF.   **NB:** if you delay too long the system will AUTOMATICALLY step through and exit the diagnostic routine.

Press the 'PROG' button adjacent to the 'UP' button and step through the three program settings, Press the 'PROG' button once for each step until back to 'NORMAL OPERATION'. A total of FOUR button presses. (The LCD display will show each step after each button press – 'SELECT PROGRAM', 'SET CYCLE COUNT' and 'SET MAX PROG No').

Having carried out all of the above pressing any parameter button will now cancel the alarm. (IE, press the 'TEMPERATURE' select button. If the red LED above the 'TEMPERATURE' parameter display is ON press the 'SELECT' button again.