

CONTHERM SCIENTIFIC LTD

TECHNICAL MEMORANDUM

PRODUCT : PLCS4

No : 0042

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FROM : Contherm Scientific Ltd

DATE : 21/9/93

TO : All Agents

SUBJECT : New Door Switches.

There have been a number of door switch failures on the PLCS4 precision series of cabinets, the failures have been due to two reasons: A) Mechanical damage occurring during transit, most likely caused by the large knurled nut screwed onto the end of the switch actuator.

- B) Failure due to moisture ingress causing the internal switch spring to corrode through and break.

REMEDY:

In existing units the switch should continue to function satisfactorily once the cabinet has been installed providing there is not excess condensation of moisture around the switch housing. Ensure that the inner glass door seals effectively if moisture is observed at the top of the inside of the outer door.

If the switch fails due to moisture or damage we would recommend that the new switch (a fridge door type switch with a long actuator) is fitted in place of the original.

The new switch has a round base which will have to be modified by cutting a small amount off each of its sides to allow it to fit into the original square hole, use a small amount of RTV sealant to ensure the switch stays correctly in place.

The Contherm Internal Part No for the New Switch is **SWITCH DOR1**