

TECHNICAL MEMORANDUM

PRODUCT : ALL DESIGNERS

No : 0105

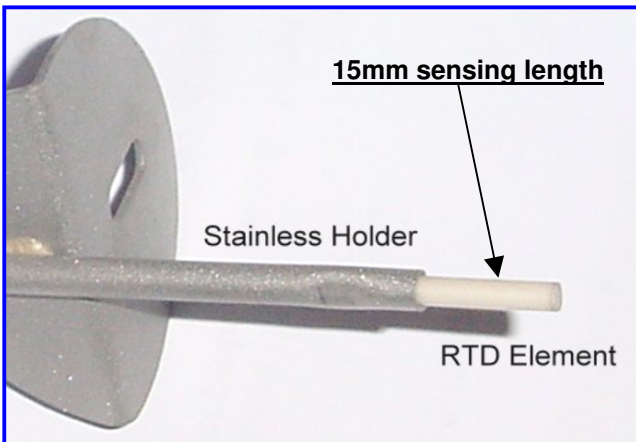
FROM : Contherm Scientific Ltd

DATE : 04/05/2012

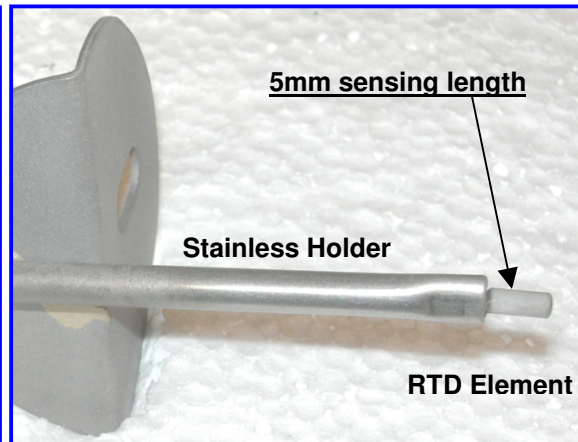
TO : ALL AGENTS

**SUBJECT:** Alternate RTD3 SENSOR FOR DESIGNER SERIES

The alternative RTD1000 temperature sensors (RTD3) for the Designer Series (7XXX and 8XXX) have a slightly shorter sensing end.



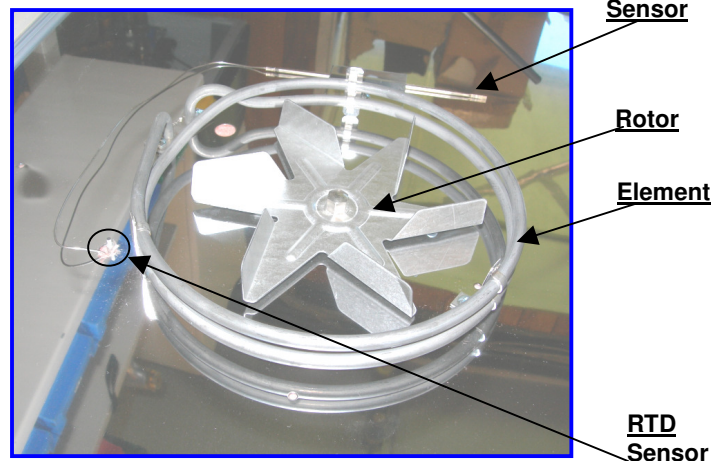
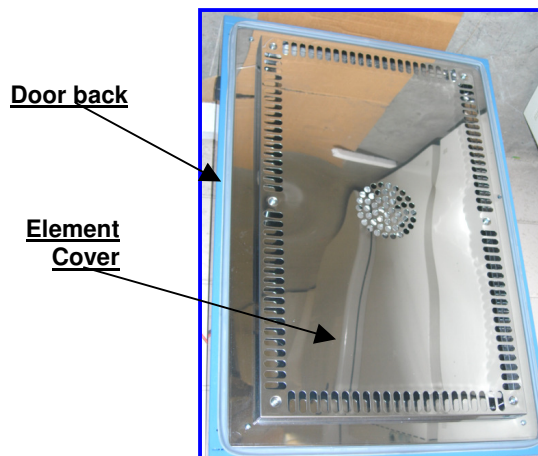
**SENSOR RTD (Original sensor)**



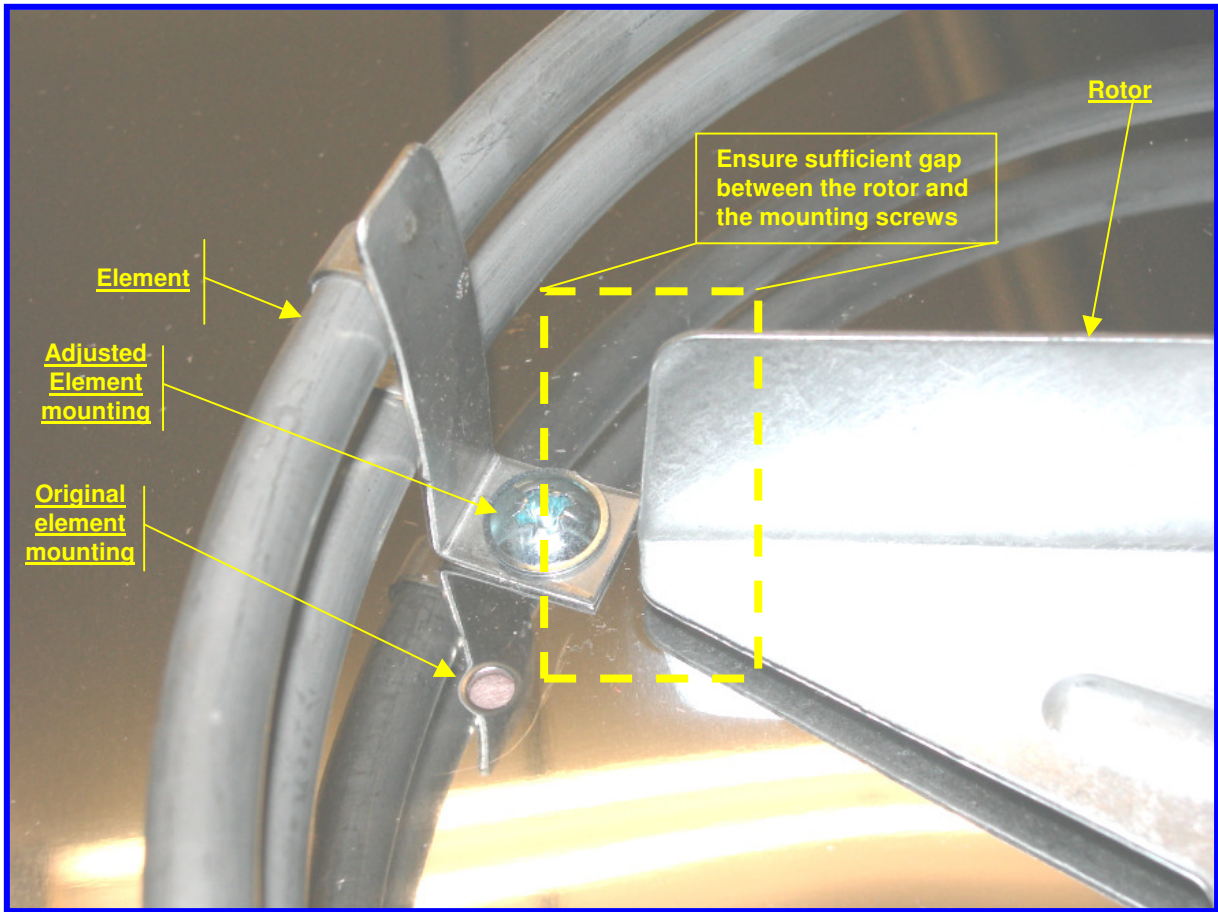
**SENSOR RTD3 (Alternative sensor)**

Upon mounting, calibration against an external meter must be done and record the calibration factor. If the calibration can not be made due to the calibration factor being at the maximum limits (ie 20), the following procedure must be done.

- A. Remove the element cover at the back of the door. This will expose the rotor, sensor and hi-limit sensor. **ENSURE TO UNPLUG THE DOOR FROM MAINS POWER.**



- B. Move the element as close as possible to the RTD sensor. Ensure that the rotor will not hit the element mounting screw.



- C. Assemble the element cover in reverse sequence.
- D. **Perform the entire necessary electrical safety test before turning back the power to the cabinet.**