

HOW TO CONVERT THE HAKKO 192 FROM °C TO °F, OR THE OTHER WAY ROUND.

THERE ARE, SO FAR, NO REQUESTS TO MAKE ONE READ IN RÉAUMUR.

Every now and again we get a request for these instructions. Whilst we would prefer that end users buy two 192s - one for Celsius and one for Fahrenheit - we do understand the perils facing the (relatively) impecunious and offer this simple procedure as temporary relief.

1. Remove the 6 screws that hold the thing together.
2. Carefully pry the two halves of the case apart.
3. Disconnect CN3, the thermocouple connector, and CN4, the test plate connector, from the lower printed circuit board. (See the next page for lovely little pictures.)
4. Take the display PCB out of the upper half by removing the two nuts that hold it in place. See Figure 1.
5. Desolder the jumper from JF (if the 192 is Fahrenheit) and solder it to JC. (If the unused jumper hole is full of solder, clean it out.)
- 5a. If the 192 is Celsius, desolder the jumper from JC and solder it into JF.
6. Remove the lower PCB from the five plastic standoffs that hold it to the bottom of the case.
7. Desolder and remove resistor R11.
8. Solder into the R11 holes a 1%, 1/8 watt, metal film resistor - 91K Ω , if converting to °F, 169K Ω , if converting to °C.
9. Calibrate per instructions.
10. Reassemble the unit.

The drawings on the next page don't have any extraneous information on them at all.

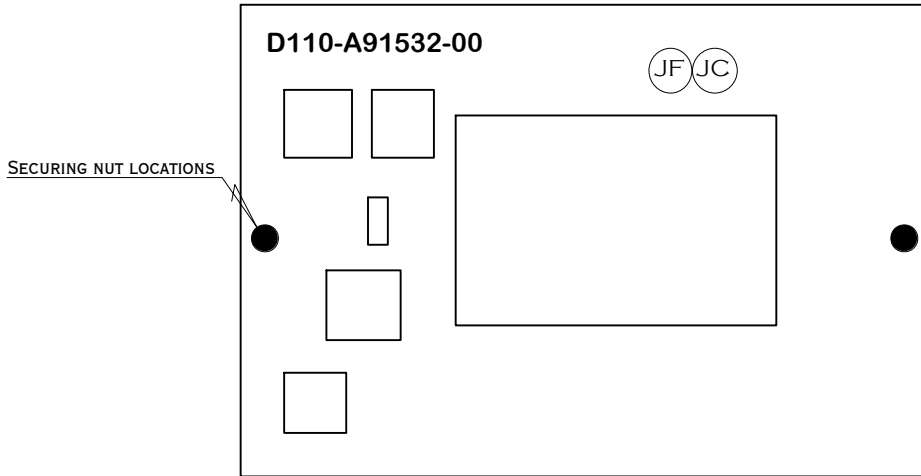
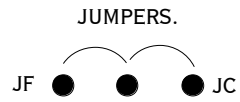


Figure 1.
Display PCB.

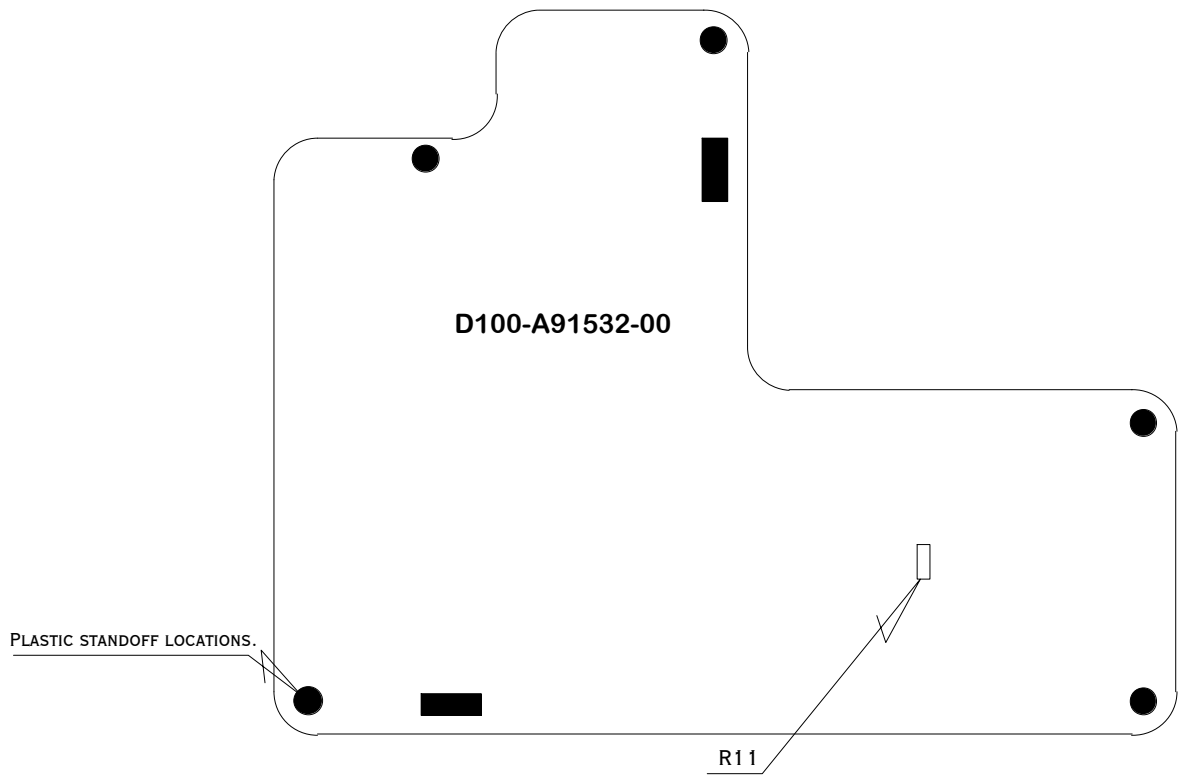


Figure 2.
Lower PCB.