External probe A20023 00

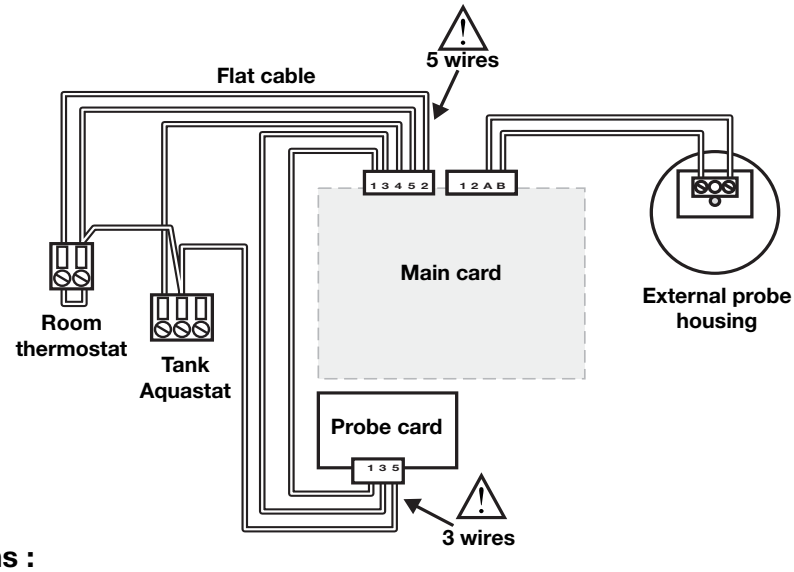
Presentation : The external probe regulates the temperature of the heating water according to the variation in outside temperature. The addition of a room thermostat ensures that the ambient temperature is maintained at a precise level.

Application : THEMATEK, THEMACLASSIC

Kit contents :
- 1 housing with sensor
- 2 screws and 2 wall plugs (supplied in the housing)
- 1 two-core cable 15 m long with 4-way screw connector
- 1 flat cable with connectors
- 1 probe card
- 1 probe card mounting screw

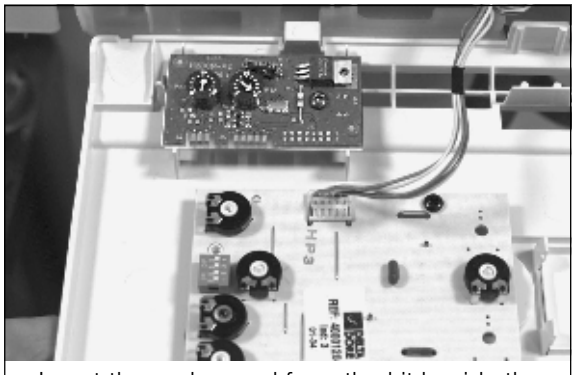
Technical characteristics :

Overall dimensions of the probe housing (in mm) : Ø 70. Card power voltage (supplied by the boiler) : 24 V (DC).
Input / output connection : by screw connection to the probe printed circuit.
Operation adapted according to regional climatic conditions; 11 slopes are available by setting a **P1A** potentiometer on the probe printed circuit :

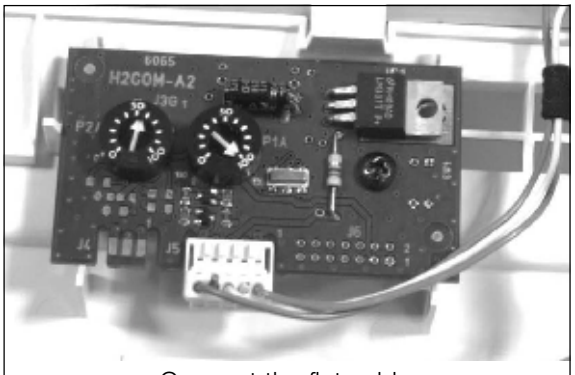


Mounting instructions :

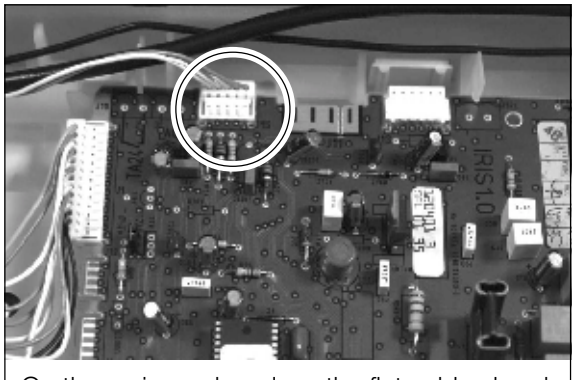
- Open the electrical box on the boiler.



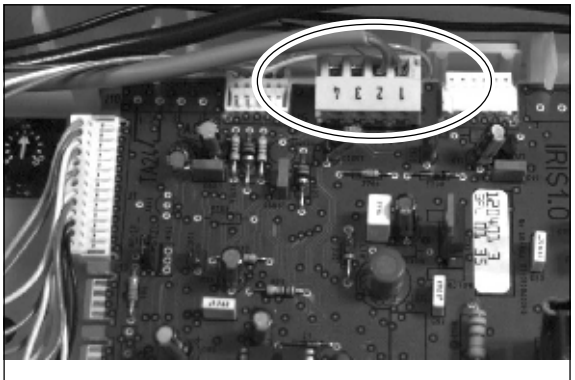
Insert the probe card from the kit beside the interface card, using the screw



Connect the flat cable (3-core connector) to the probe card

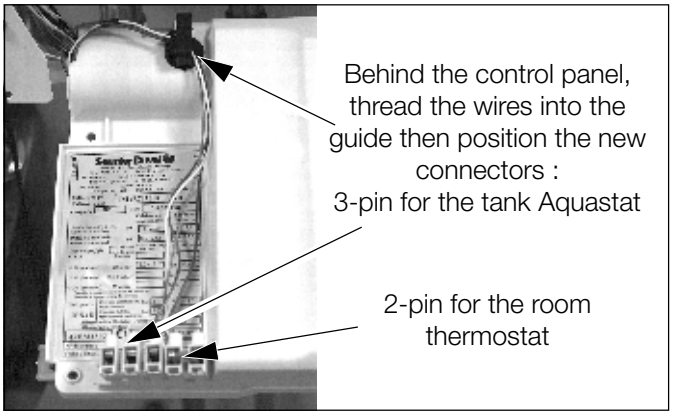


On the main card, replace the flat cable already installed with the one from the kit (5-pin connector) (Scrap the old one)

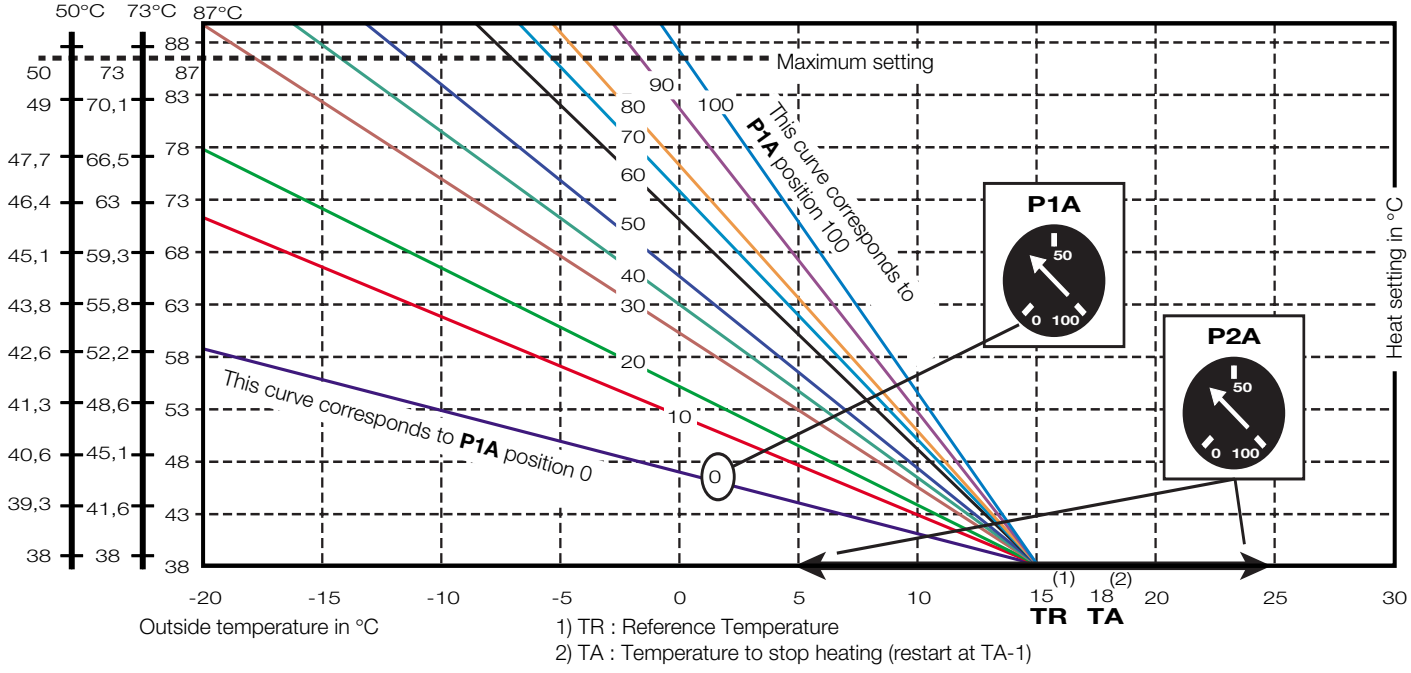


Connect the probe cable (15 m) to the main card to the right of the 5-pin flat cable connector.

4000121759_02 (03/02)



Set heating curves = f (outside temperature)

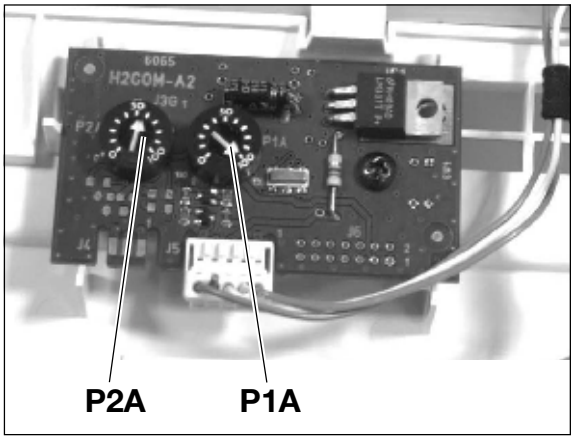


Adjustment :

- Set the **P1A** potentiometer to a choice of curves (0 to 100) according to your regional climatic conditions (***factory setting = 100***)
- **P2A** Potentiometer is used to offset the reference and stop temperatures at + or – a maximum of 10°C (***factory setting = 50***)

P2A	**Reference temperature**	**Stop temperature**
0	5°C	8°C
50	15°C	18°C
100	25°C	28°C

- Close the electrical box



IMPORTANT :

When switching on, the boiler runs at maximum setting (50, 73 or 87°C) for one hour to heat the place more rapidly.