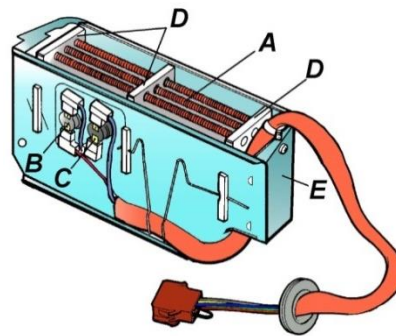


4.3.4 HEATING UNIT

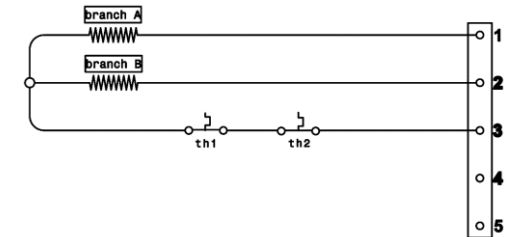
The heating unit is made up of two heating elements with different powers, inserted in ceramic supports and the whole surrounded by a sheet metal casing. Two normally closed safety thermostats are fixed to one side of the container:

- TH1 with automatic reset (2) which triggers at a temperature of $92\pm 3^{\circ}\text{C}$ and cuts the power supply to the two heating elements,
- thermostat TH2 (3) triggers at 125°C and, after opening the contact, it remains in this state and cuts the power supply to the heating unit permanently.

Volt (V)	Rated power (W)		Resistance 20°C (Ω)	
	Branch A (1-3)	Branch B (2-3)	Branch A (1-3)	Branch B (2-3)
230	1400	700	33,89	67,78
230	1400	800	33,89	59,75
230	1400	900	33,89	53,11
240	1400	700	36,90	73,80
240	1400	800	36,90	86,75
240	1400	900	36,97	57,83



- A. Heating element filament
- B. Safety thermostat with automatic reset TH1
- C. Safety thermostat TH2
- D. Ceramic supports
- E. Sheet metal casing



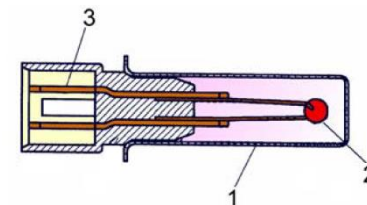
Warning: if one of the thermostats is faulty, the entire heating unit must be replaced!

4.3.5 NTC PROBE

This sensor is fixed to the hot air fan screw. It comprises a resistor, inserted in a metal capsule, with a value that decreases as the temperature increases. The electronic circuit reads the value of the resistor (which depends on the temperature inside the tumble dryer) and when it drops below a certain value, cuts the power supply to the heating unit.

As the air cools, the value of the resistor increases, and when it reaches a certain value the electronic circuit restores the power supply to the heating unit. This occurs every time the temperature inside the appliance exceeds a given value, which varies according to the drying cycle that has been selected.

TEMPERATURE ($^{\circ}\text{C}$)	RESISTANCE (Ω)		
	Rated value	Maximum value	Minimum value
20	6050	6335	5765
60	1250	1278	1222
80	640	620	660



- 1. Metal capsule
- 2. NTC
- 3. Terminals