

DETECTION OF A TEMPERATURE SENSOR FAULT

In case of a NTC temperature sensor fault, the relative symbols are shown in the displays of the electronic appliances (according to the different appliances).

Please find below the various phases to check if a temperature sensor is faulty:

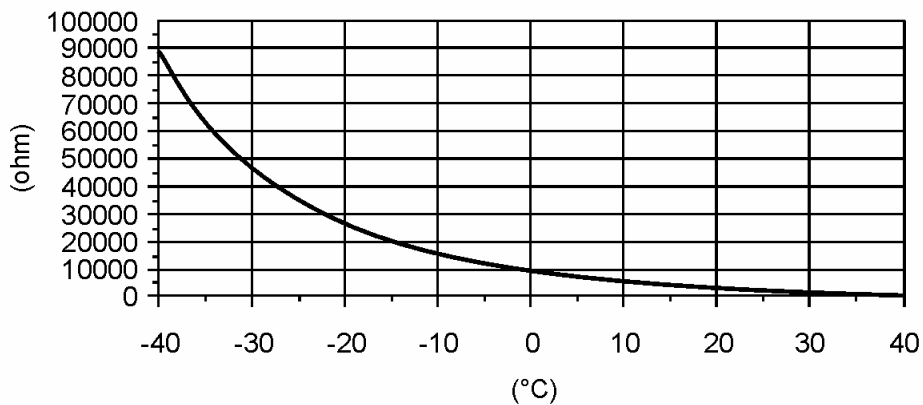


WARNING: unplug the appliance before operating

1. Unplug the appliance before operating, trying to keep the doors closed as long as possible.
2. Detach the connectors of the temperature sensors from the electronic board.
3. Place a thermometer near or in contact with the temperature sensor (for the evaporator sensors, place the thermometer in a central zone of the evaporating plate).
4. Simultaneously, measure the resistance of the temperature sensor at the edges of the connector.
5. Compare the value of the measured temperature with the corresponding temperature value of the measured resistance (see attached **tab. A**).
6. If the temperatures differ of max. + or – 10 °C, the temperature sensor must not be replaced (in this case there could be a false contact; therefore, verify the sensor wiring and the contacts of its connector with the electronic board). If not, the temperature sensor can be considered damaged and must be replaced (order the part no. of the temperature sensor contained in the spare part list of the relative appliance, or, if missing, refer to the Service Bulletin n. 599374122).
7. Repeat points 3, 4, 5 and 6 for each temperature sensor.

Characteristics of the temperature sensor:

Temperature [°C]	Resistance [Ohm]	Temperature [°C]	Resistance [Ohm]	Temperature [°C]	Resistance [Ohm]
-40	90721	-13	17506	14	4414
-39	84867	-12	16564	15	4213
-38	79431	-11	15678	16	4022
-37	74381	-10	14845	17	3840
-36	69686	-9	14059	18	3668
-35	65320	-8	13320	19	3505
-34	61258	-7	12624	20	3350
-33	57475	-6	11969	21	3202
-32	53952	-5	11352	22	3062
-31	50668	-4	10770	23	2929
-30	47606	-3	10222	24	2802
-29	44735	-2	9705	25	2682
-28	42056	-1	9218	26	2567
-27	39556	0	8758	27	2458
-26	37221	1	8322	28	2354
-25	35039	2	7911	29	2255
-24	32999	3	7523	30	2161
-23	31092	4	7156	31	2071
-22	29307	5	6809	32	1985
-21	27637	6	6481	33	1904
-20	26072	7	6171	34	1826
-19	24600	8	5877	35	1752
-18	23221	9	5600	36	1681
-17	21928	10	5337	37	1614
-16	20715	11	5087	38	1549
-15	19577	12	4851	39	1488
-14	18509	13	4626	40	1429



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