6.5. NTC sensors failure
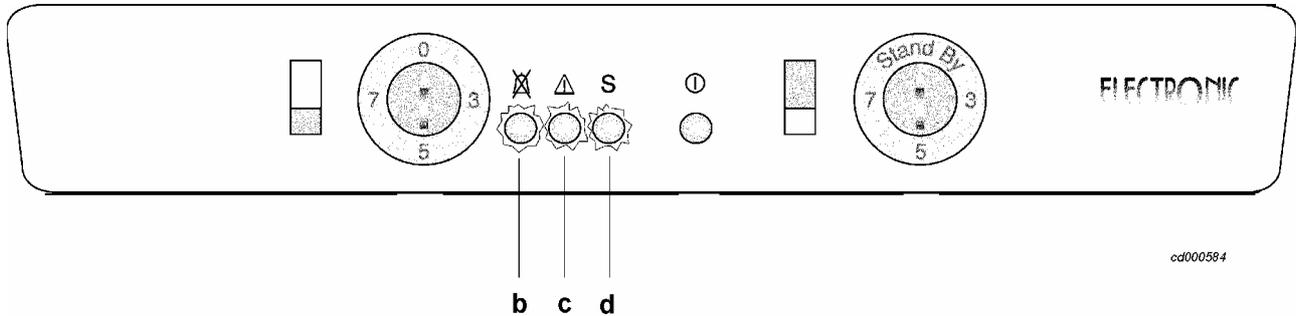
When there is a failure in NTC sensors, during normal mode the three LEDs (b), (c) and (d) blink.

cd000584

b c d

The appliance is controlled in the following way:

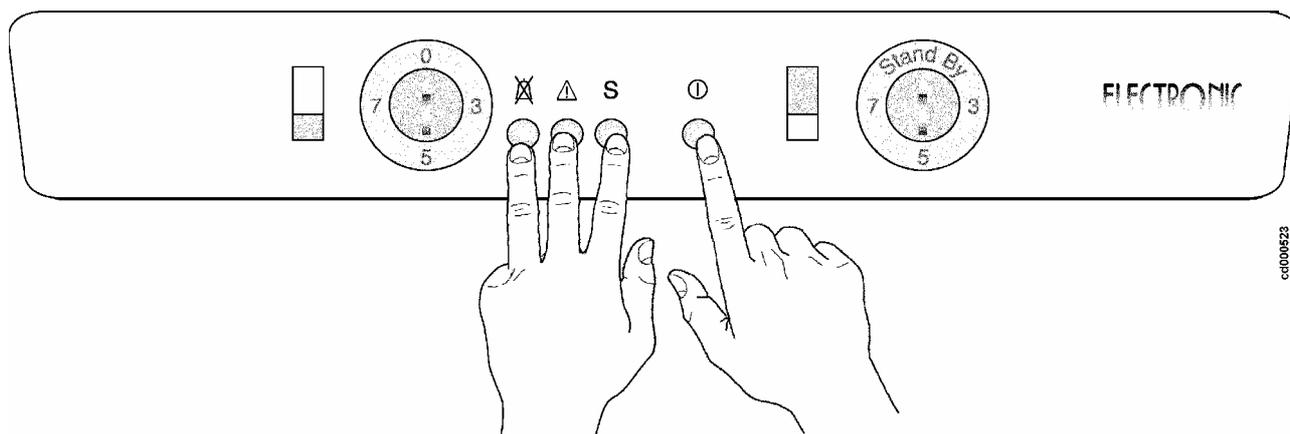| failure sensor	failure	working time	compressor cycles	defrost time
Evaporator NTC sensor (no adaptivity)	First start	6 hours	controlled by Air NTC	22 minutes
	During working	latest time before failure	controlled by Air NTC	22 minutes
Air NTC sensor (adaptivity)	First start	controlled by evap. NTC	10 min pause 15 min run	controlled by evap. NTC
	During working	controlled by evap. NTC	latest times before failure	22 minutes
Evaporator NTC sensor + Air NTC sensor (no adaptivity)	First start	6 hours	10 min pause 15 min run	22 minutes
	During working	latest time before failure	latest times before failure	22 minutes

7. Service mode

Service mode can be utilised to check for faults in the two NTC sensors and to power each of the loads separately in order to check for correct operation.

7.1. Selecting service mode

In order to select service mode, it is necessary to press the four buttons (**b**, **c**, **d** and **e**) simultaneously for at least 4 seconds within 15 seconds after switching off the appliance.
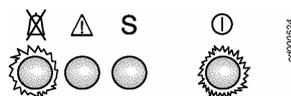To exit service mode, press the same buttons again for at least 4 seconds.

All four LEDs light for 5 seconds to confirm that service mode has been selected (auto-checking). Then, LEDs **b**, **c** and **d** switch off, while LED **e** and the two thermostat knob surrounds flash during the entire period during which service mode is selected.
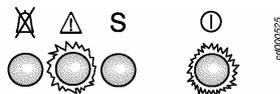
7.2. Signalling of faults

In case of a fault in one of the sensors, the LEDs will begin to flash as follows 5 seconds after selection of service mode:

1. NTC sensor on evaporator: LEDs **(b)** and **(e)** flash

2. ambient NTC sensor: LEDs **(c)** and **(e)** flash

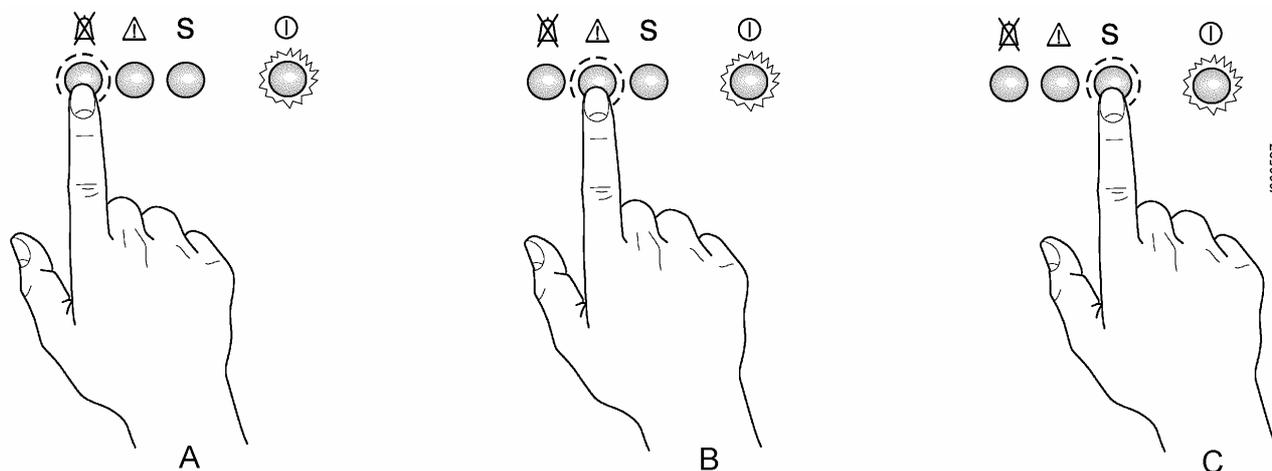If no faults are detected, only the ON/OFF LED (**e**) flashes.

7.3. Separate activation of loads

The various buttons can be used to activate and disactivate the compressor, fans and heating elements separately. The corresponding LED remains lit to indicate the load which has been activated.
If the loads are not disactivated manually, the following safety procedure is performed:
1. the compressor and the fans will switch off automatically after 4 minutes
2. the heating elements will switch off when the temperature reaches +15°C (end of defrosting cycle)
3. above +15°C heating elements disactivate after 4 min.
NOTE: **the activation of heating elements allows a manual defrosting**.

A= ON/OFF compressor;   **B**= ON/OFF fans;   **C**= ON/OFF heaters.
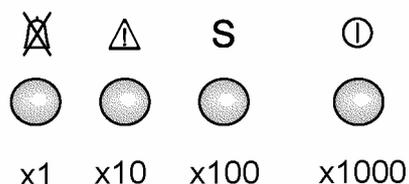
7.4. Checking the door switches

The switch on the door of the refrigerator compartment can be checked by noting whether the refrigerator light switches on.
To check for correct operation of the freezer compartment switch, it is sufficient to check whether the flashing frequency of the thermostat knob surrounds changes.

7.5. Disactivation of service mode

To exit service mode, press the ON/OFF button (**e**) for 2 seconds; the appliance returns to normal operation.
If the ON/OFF button is not used, the appliance will return to normal operation automatically after 30 minutes.

7.6 Days counter

x1   x10   x100   x1000

The "days counter" function counts the days since the first switching ON of the appliance and it is important to follow the buttons sequence, without skipping anyone.
To activate this function the ON/OFF button must be pressed during the 5 seconds following the activation of service mode. The first sounding (long beeps) of the buzzer counts the thousands of day. At the end of the count during next 10 seconds, after pressing the "rapid freezing" button the buzzer counts the hundreds.
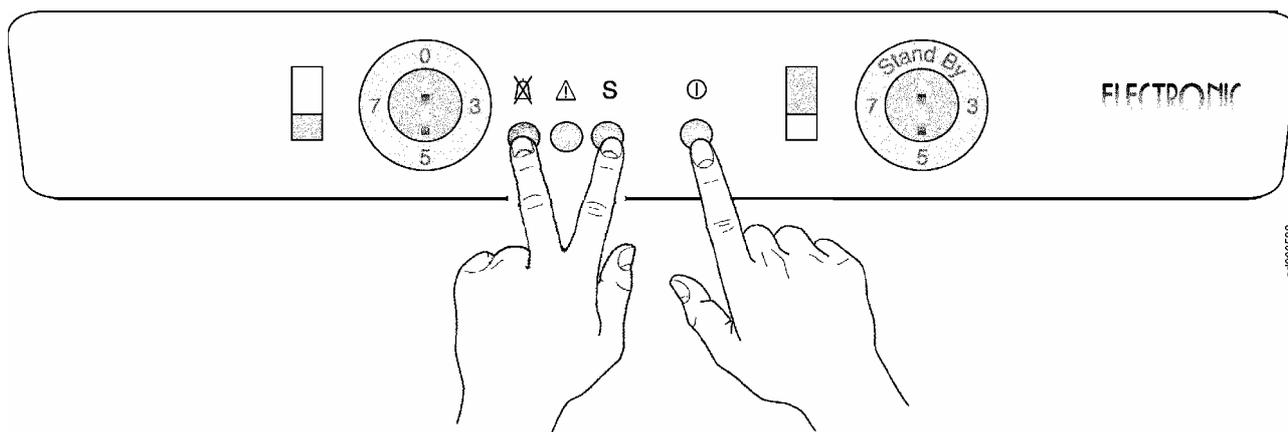To count the tenths and the unit of days the operation is the same. For the tenths press the "temperature" button and for the units the "door open" button.

8. Demo Mode

Demo mode is used to demonstrate the operation of the user interface (control panel) without activating the various loads (compressor, fans, heating elements).

8.1. Selecting Demo mode

To select Demo mode, press buttons **b**, **d** and **e** simultaneously for at least 2 seconds within 15 seconds after switching the appliance off by pressing the ON/OFF button (**e**).

When Demo mode is selected, the buzzer sounds four times and the LEDs flash simultaneously four times.

8.2. Main functions

The main functions of Demo mode are as follows:
1. the light in the refrigerator compartment must switch on when the door is opened and switch off again when it is closed.
2. the lights in the thermostat knobs switch on.
3. the LEDs light.
4. when the RAPID FREEZING button is pressed, the LED is steady ON.

Alarm buttons:

"Temperature alarm" button (**c**):
1. When pressed once: the LED begins to flash and the buzzer sounds (remains activated also when the door is closed).
2. When pressed twice within 10 seconds: The LED remains lit (fixed) and the buzzer switches off.
3. After 10 seconds, both the LED and the buzzer are switched off.

The "door" alarm button (**b**) operates in the same way as the "temperature" alarm (see above).

8.3. Exiting Demo mode

To exit Demo mode, it is necessary to disconnect the appliance from the power supply.
Press the ON/OFF button (**e**) for at least 2 seconds to enter Demo mode with the appliance switched off (Demo OFF operation).