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		REFRIGERATORS
<p>© Electrolux Home Products S.p.A. Spares Operations Italy Corso Iino Zanussi, 30 I - 33080 Porcia (PN) Fax +39 0434 394096</p> <p>S.O.I.</p> <p>Edition: 11.2006</p>		<p>NO FROST TOTAL with ERF2050 electronic DIGITS AEG styling</p> <p>FACTORY: HUY</p>
	<p>Publication no.</p> <p>599 38 47-44</p> <p>EN</p>	

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1 INTRODUCTION

This manual describes the TOTAL NO FROST refrigerators with ERF2050 DIGITS electronic AEG styling produced in the Nyíregyháza factory (HUY).

These models feature:

- Total No Frost (no frost freezer, refrigerator no frost)
- free standing
- single-compressor
- electronic control (electronic board ERF2021)
- digit display AEG styling
- air flow regulator (damper)
- LED lighting (optional depending on the model)

They are appliances (CBNF 350, CBNF 390 e CBNF 395) with the following PNCs:

PNC	MODEL	BRAND
925034004	S75358KG3	AEG-Electrolux
925034005	S75358KG3	AEG-Electrolux
925034006	S75350KG3	AEG-Electrolux
925034007	S75358KG3	AEG-Electrolux
925034026	S75340KG6	AEG-Electrolux
925034027	S75348KG6	AEG-Electrolux
925034030	S75348KG6	AEG-Electrolux
925034203	S75398KG3	AEG-Electrolux
925034204	S75398KG3	AEG-Electrolux
925034205	S75390KG3	AEG-Electrolux
925034206	S75398KG3	AEG-Electrolux
925034226	S75388KG6	AEG-Electrolux
925034228	S75388KG6	AEG-Electrolux
925034402	S75408KG	AEG-Electrolux
925034403	S75400KG	AEG-Electrolux

The controls of the appliance are inserted into the work top.

The power control board is ERF2050.

The user interface board is ERF2000 (DIGIT display) with AEG styling.

Since it is a single-compressor, it is not possible to switch off only one of the two compartments.

The temperatures regulation is the following:

- from +8 to +2 °C for the cooler
- from -15 to -24 °C for the freezer

The DIGIT display enables to show the temperatures of the two compartments.

The appliance has the following functions:

- rapid freezing
- rapid cooling
- freezer temperature alarm
- cooler compartment holiday

The appliance consists of the following compartments:

- freezer;
- cooler;

The evaporating circuit consists of:

- cold module (freezer compartment);

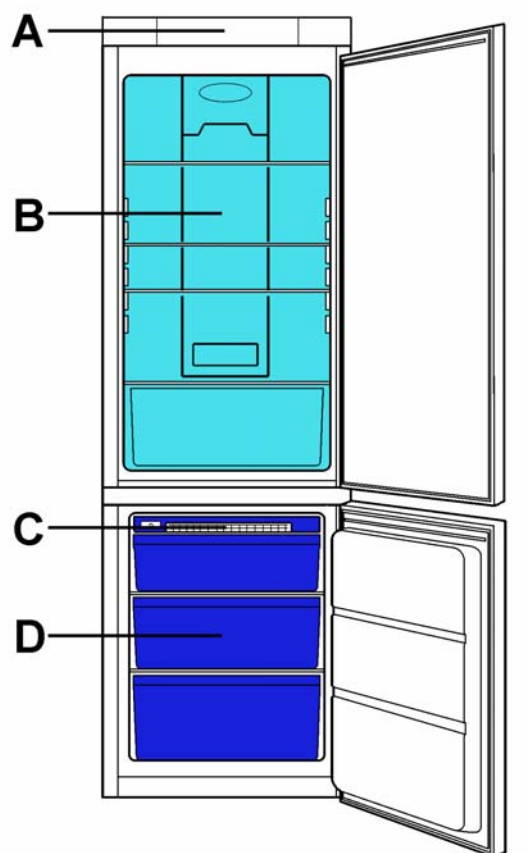
Key:

A = control panel

B = cooler compartment (No Frost)

C = cold module

D = freezer compartment (No Frost)



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2 AIR CIRCULATION

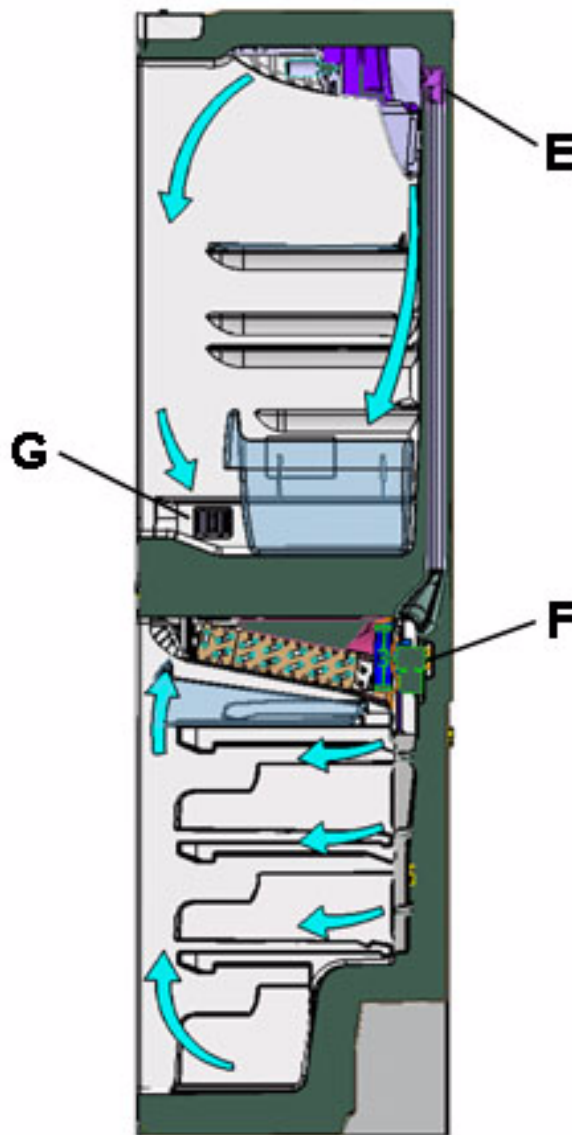
Unlike in the PARTIAL NO FROST refrigerator, in the TOTAL type the cooler and the freezer communicate each other, therefore, the battery evaporator cools both compartments.

The cold produced by the battery evaporator in the freezer compartment, is distributed by the fan F placed behind the cold module.

Cooler compartment air flow: the cold air is pushed by the fan into the foamed duct and exits from the air flow regulator (damper) E located in the rear part of the diffuser-lamp holder.

The air returns in the freezer compartment by means of some foamed ducts entering the air vent grids G.

Freezer compartment air flow: the cold air is pushed into the compartment through the air screen and returns into the cold module through the front air vent grid.

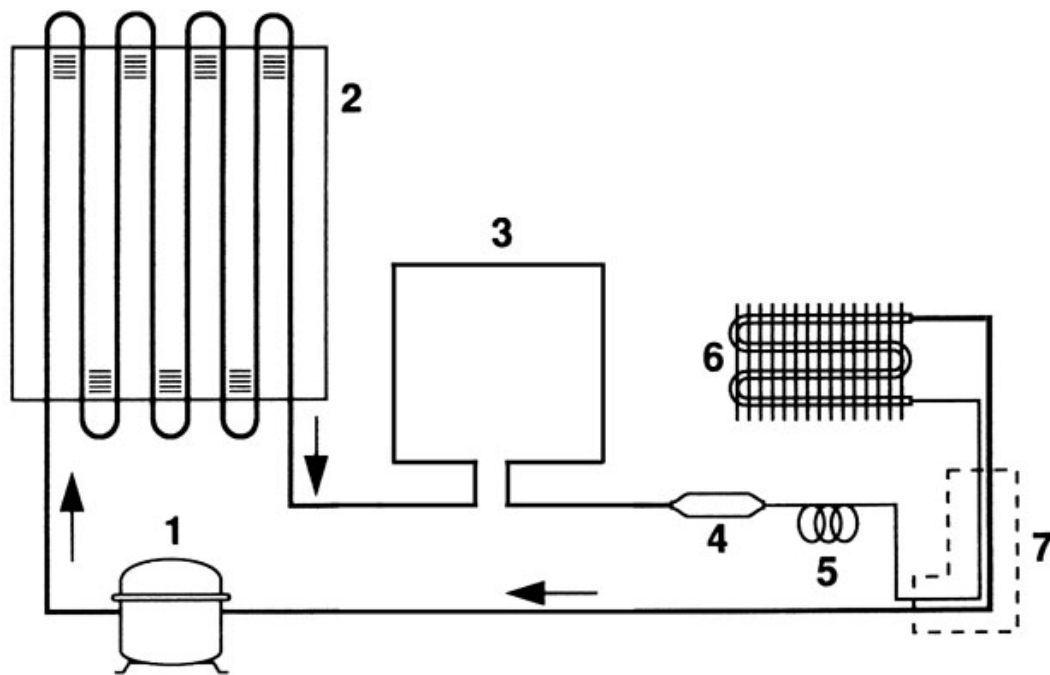


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In case of opening of the freezer or cooler door the fan stops.
To simulate the door closed use a magnet and put it next to the reed element located in the electronic board or push the freezer door button.

3 REFRIGERATION CIRCUIT



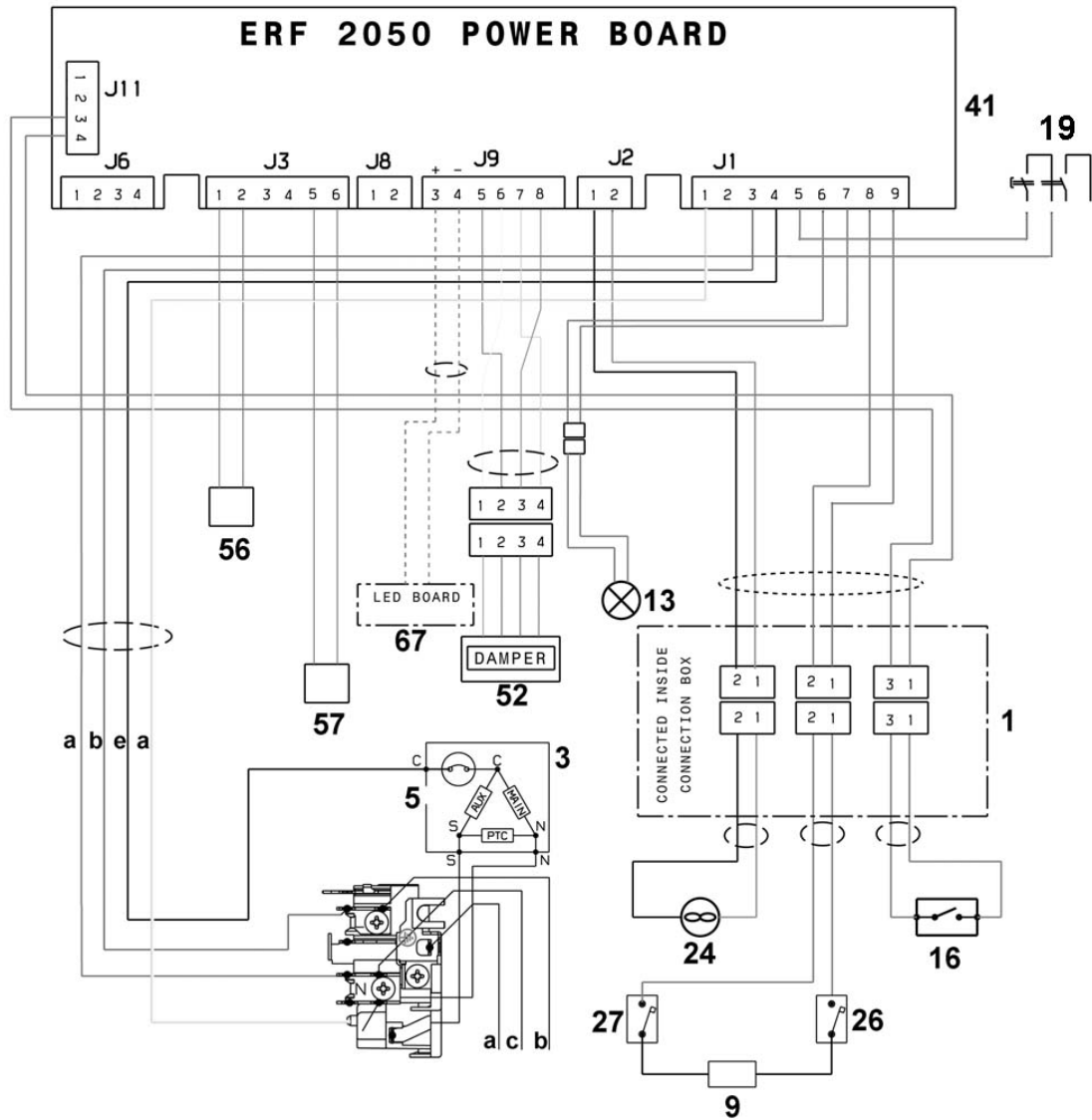
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Key:

- 1. compressor;
- 2. condenser;
- 3. anti-condensation coil;
- 4. dehydrator filter;
- 5. capillary;
- 6. battery evaporator (freezer compartment);
- 7. exchanger.

4 ELECTRIC WIRING

(Check the specific diagram for each model!)



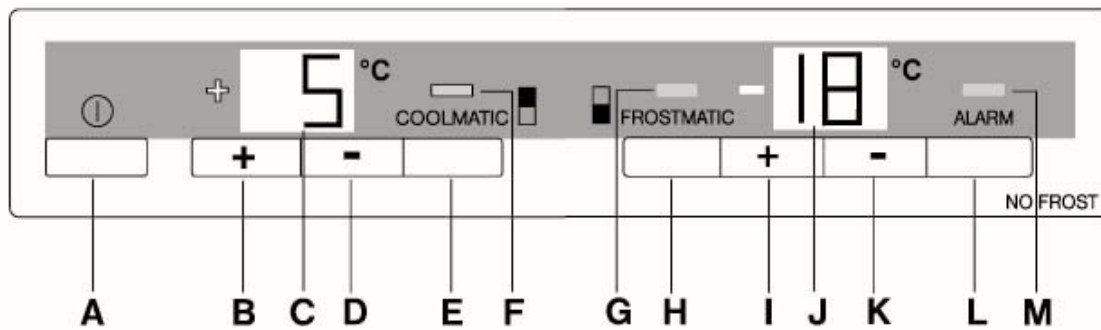
Key:

1. connection box
3. compressor
5. motor protector
9. defrosting heater
13. lamp
16. freezer door switch
19. ON/OFF switch
24. fan
26. safety thermal switch (+40 °C)
27. defrosting cut-out switch (+8 °C)
41. electronic board ERF 2050
52. air flow regulator (damper)
56. cooler air temperature sensor (cable colour: brown)
57. freezer air temperature sensor (cable colour: white)
67. LED electronic board (optional)

- a. yellow-green
- b. brown
- c. blue
- d. white
- e. black

5 COMPONENTS

5.1 Control panel



Key:

Cooler compartment

- A. ON/OFF button
- B. cooler temperature increase button (+)
- C. cooler temperature displaying
- D. cooler temperature decrease button (-)
- E. COOLMATIC function button (rapid cooling)
- F. COOLMATIC function pilot lamp (rapid cooling)

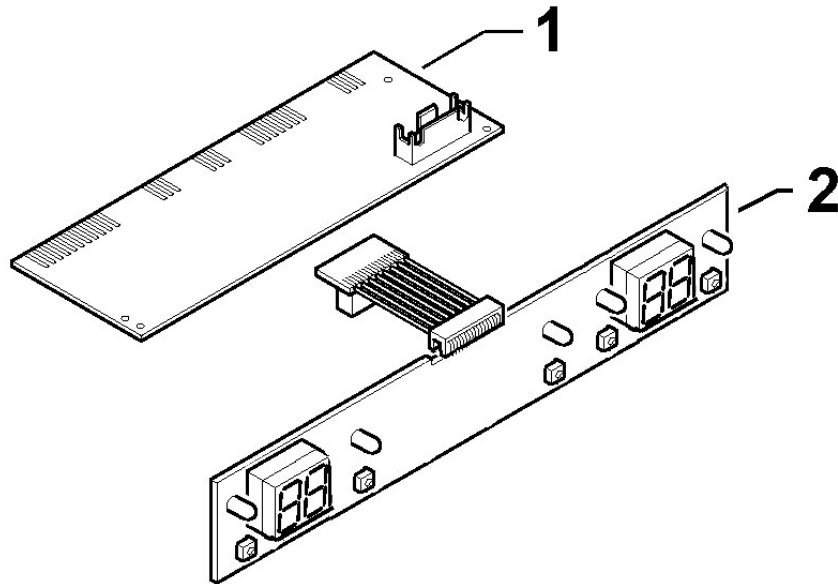
Freezer compartment

- G. FROSTMATIC function pilot lamp (rapid freezing)
- H. FROSTMATIC function button (rapid freezing)
- I. freezer temperature increase button (+)
- J. freezer temperature displaying
- K. freezer temperature decrease button (-)
- L. alarm deactivation button
- M. alarm pilot lamp

5.2 Electronic boards

The electronic board of the appliance consists of:

1. power board ERF2050
2. display board ERF2000

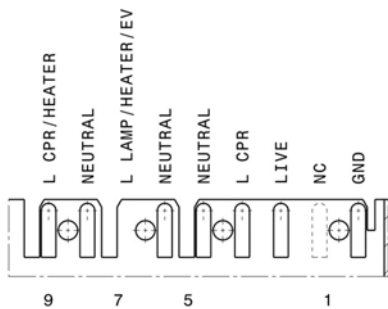
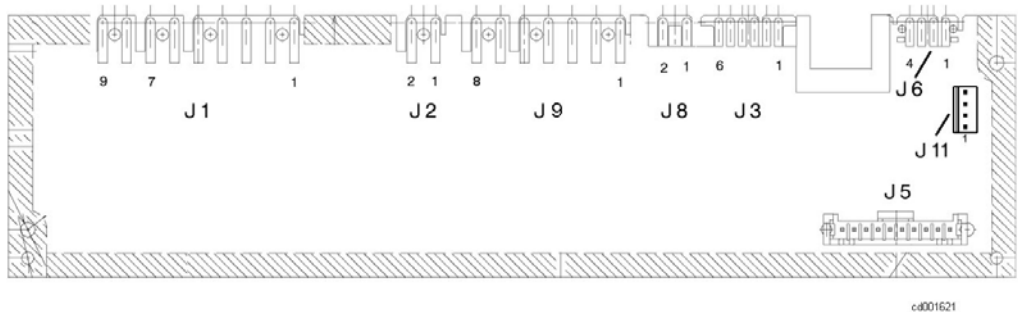


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The two electronic boards are connected by means of a flat cable with a connector; therefore, the two boards are available singularly as spare part.

5.2.1 Power board ERF2050

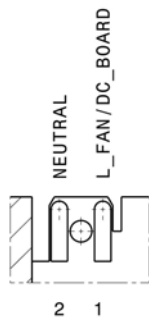
- View of the electronic board (side of components):



J1

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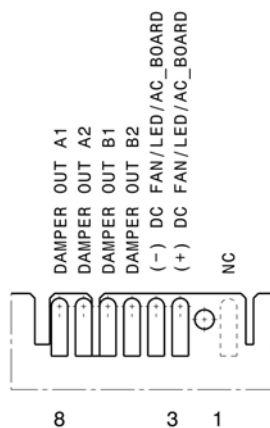
- 1. earth contact
- 2. free
- 3. line
- 4. compressor
- 5. neutral
- 6. lamp neutral
- 7. lamp
- 8. defrosting heater neutral
- 9. defrosting heater



J2

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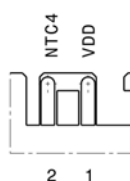
- 1. fan line
- 2. fan neutral



J9

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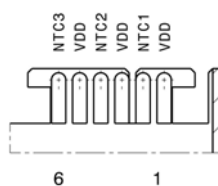
1. free
2. free
3. LED light board (+) (optional)
4. LED light board (-) (optional)
5. damper
6. damper
7. damper
8. damper



J8

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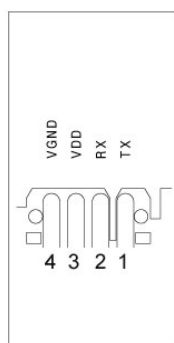
1. free
2. free



J3

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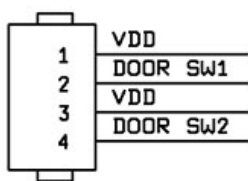
1. cooler air temperature sensor
2. cooler air temperature sensor
3. free
4. free
5. freezer air temperature sensor
6. freezer air temperature sensor



J6

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1. free
2. free
3. free
4. free

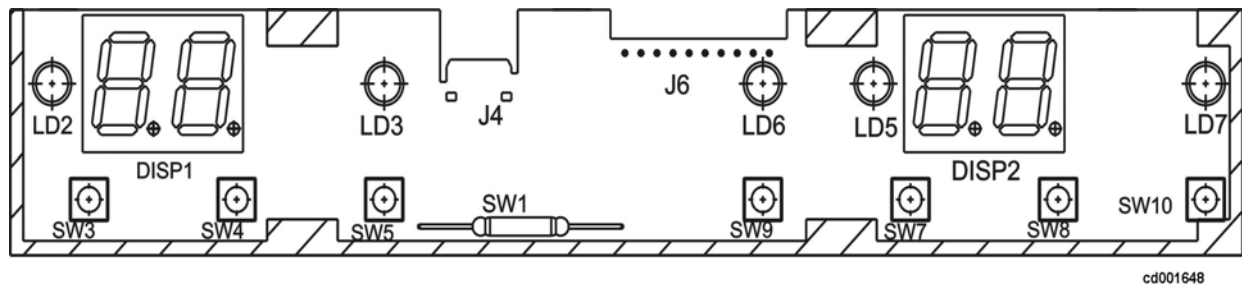


J11

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1. free
2. free
3. freezer door switch
4. freezer door switch

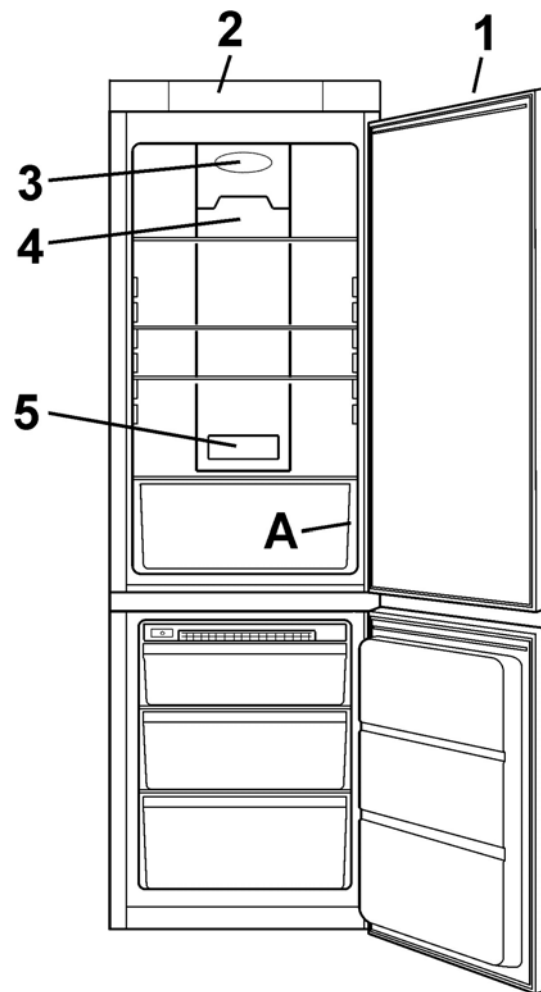
5.2.2 Display board ERF2000



Key:

- SW1 = reed element
- SW3 = cooler temperature increase button (+)
- SW4 = cooler temperature decrease button (-)
- SW5 = COOLMATIC function button (rapid cooling)
- SW7 = freezer temperature increase button (+)
- SW8 = freezer temperature decrease button (-)
- SW9 = FROSTMATIC function button (rapid freezing)
- SW10 = alarm deactivation button
- DISP1 = cooler display
- DISP2 = freezer display
- LD2 = + sign pilot lamp
- LD3 = COOLMATIC function pilot lamp (rapid cooling)
- LD5 = - sign pilot lamp
- LD6 = FROSTMATIC function pilot lamp (rapid freezing)
- LD7 = alarm pilot lamp

5.3 Cooler compartment



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Key:

- 1. cooler door magnet
- 2. display board reed element
- 3. air flow regulator (damper)
- 4. carbon air filter
- 5. LED lighting (optional depending on the model)
- A. cooler air temperature sensor

5.3.1 Temperature sensor

1 NTC sensor detects the temperature of the cooler:

- cooler air temperature sensor (placed inside the right air vent grid)



The cooler air temperature sensor is used both to control the appliance by means of the air flow regulator (damper) and to display the cooler compartment temperature.

The sensor A has the foamed cable inside the cabinet, therefore it is not replaceable (for further information please see Service Bulletin 599374122).

5.3.2 Door switch

The battery evaporator defrosting is driven by the electronic board and depends also on the detection of the opening of the doors.

The detection of the opening of the cooler door is carried out by means of:

- magnetic switch for the cooler door control (located on the display board inserted into the work top)

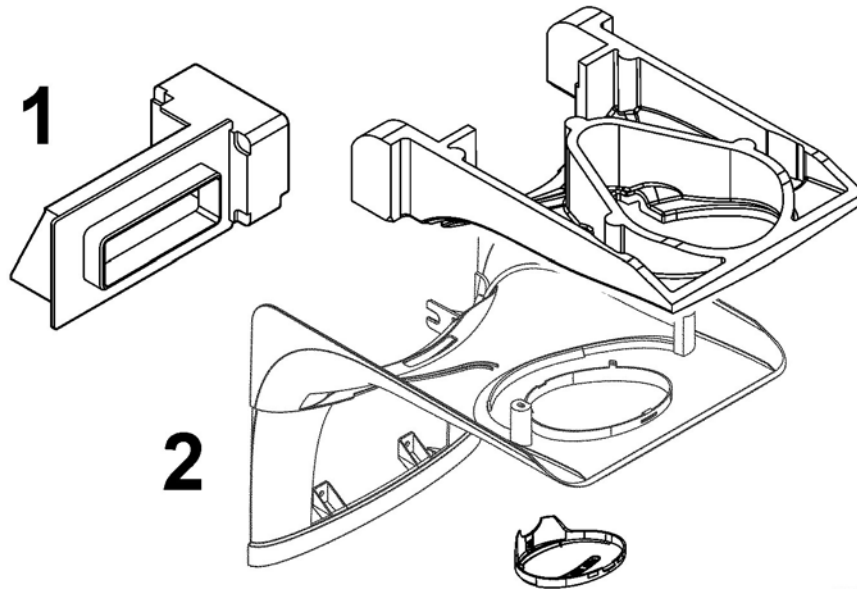
The magnetic switch for the cooler door control is activated by a magnet located inside the cooler door.

The magnetic switch controls also the switching on of the lamp and of the LED lighting if featured (optional depending on the models).

5.3.3 Air flow regulator (damper)

The temperature regulation of the cooler compartment occurs by means of the passage or not of cold air from the damper, which can have only 2 fixed positions, opened or closed.

The air flow regulator (damper) 1 is located inside the diffuser lamp holder 2.

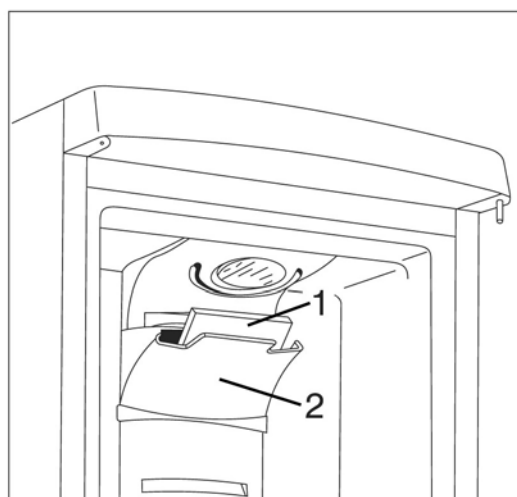


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The damper consists of a door and a stepping motor and it is connected to the electric wiring by means of a 4-pole connector.

5.3.4 Carbon air filter

The carbon air filter 1 is located inside the door 2 indicated in the figure.

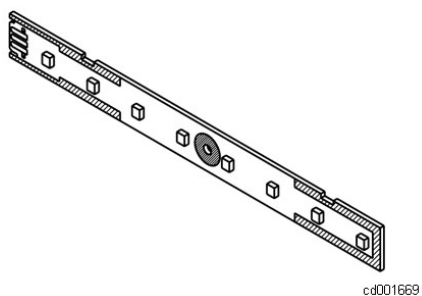


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The door must be always closed during the operation of the appliance.

5.3.5 LED lighting (optional depending on the models)

The LED lighting is obtained by means of a electronic board ERFL100.

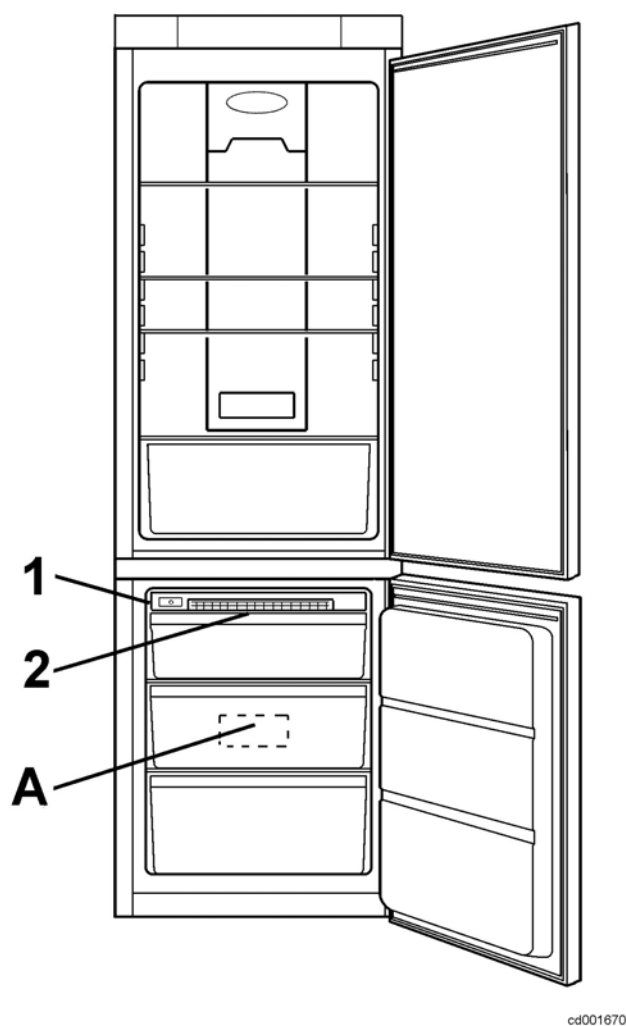


The electronic board is placed inside the air diffuser and is connected to the electric wiring through a 3-pole connector.



The voltage of the electronic board is 18 VDC (direct current).

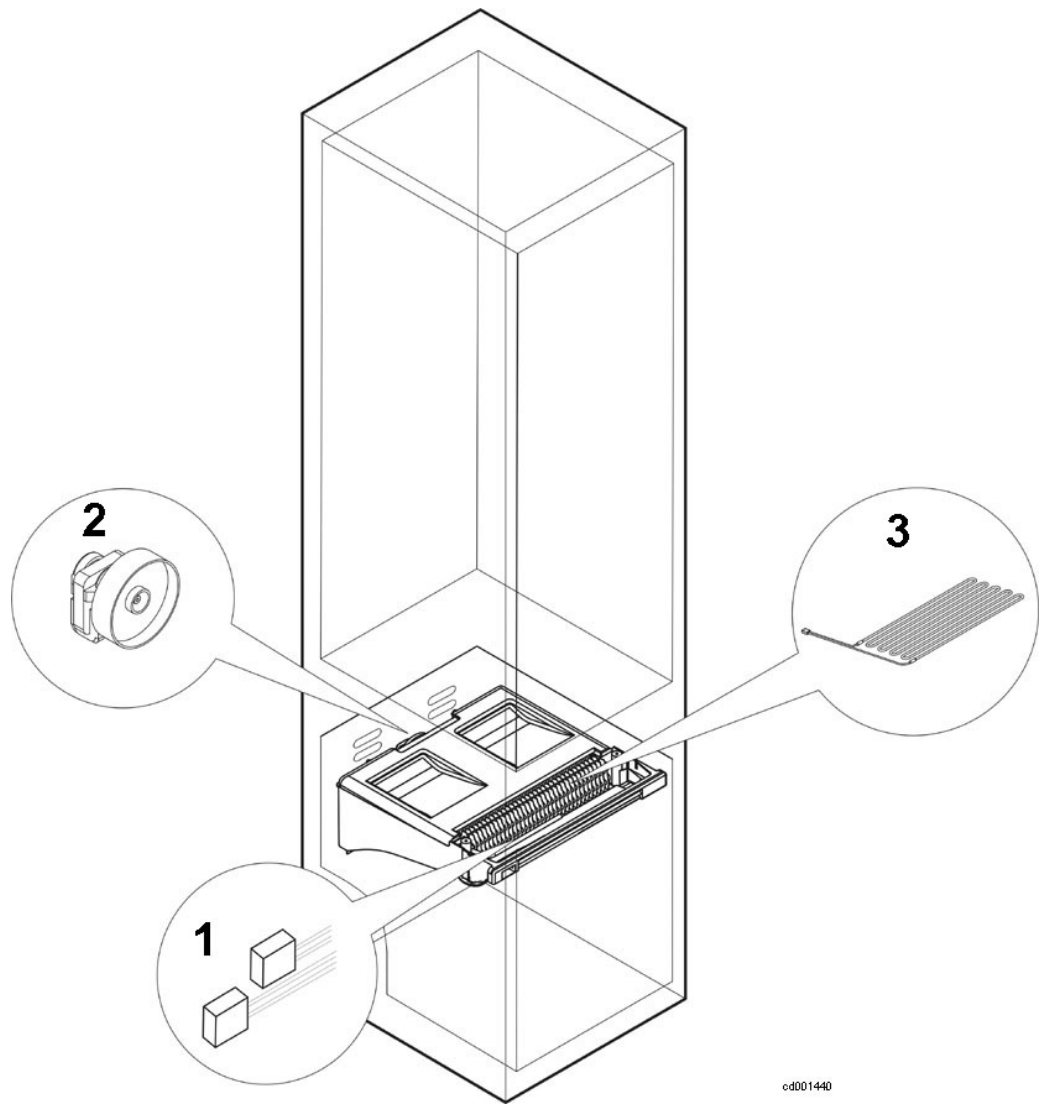
5.4 Freezer compartment



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- 1. freezer door button
- 2. cold module
- A. freezer air temperature sensor

5.4.1 Cold module



- 1. thermal switches
- 2. cold module fan
- 3. cold module defrosting heater

5.4.2 Thermal switches

The thermal cut-outs are positioned in direct contact with the battery evaporator.

They switch off the defrosting heater respectively at:

- +8 °C cut-out defrosting switch (wire colour: black - blue)
- +40 °C cut-out safety switch (wire colour: black - white)

TYPE OF THERMAL OVERLOAD CUT-OUT	CUT-IN TEMPERATURE	
	OPENING	CLOSING
DEFROSTING	+ 8 °C	- 5 °C
SAFETY	+ 40 °C	+ 30 °C

5.4.3 Cold module fan

The fan is located behind the cold module.

The air is intaken by the fan, therefore, in case of its replacement, ensure that the air is forced towards the cell bottom.

The fan has the following characteristics:

- voltage 240 V
- power 3,1 W
- speed 2000 rpm



The fan stops in case of opening of the freezer door or of the cooler door.
To simulate the door closed, use a magnet and put it next to the magnetic sensor located on the electronic board or push the freezer door button.

5.4.4 Defrosting heater

The defrosting heater is used to defrost the ice that has accumulated on the battery evaporator.

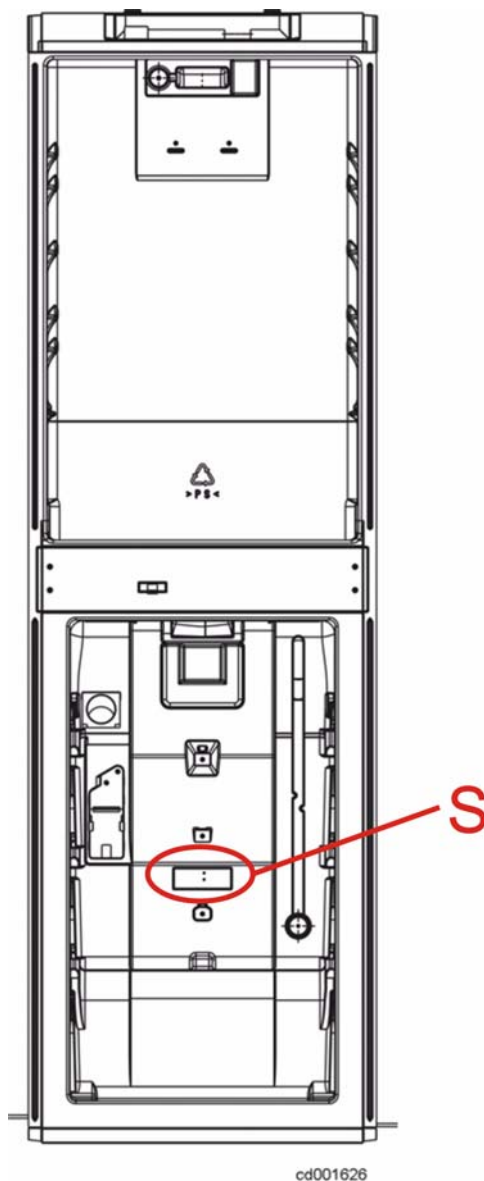
The balancing heater has the following values:

- power 240 W
- voltage 240 V
- resistance 240 Ohm

5.4.5 Temperature sensor

1 NTC sensor detects the temperature of the freezer compartment:

- freezer air temperature sensor (located inside the freezer cell)



The freezer air temperature sensor is used both to control the appliance by means of the fan and the compressor and to display the freezer compartment temperature.

The sensor S has the foamed cable inside the cabinet, therefore it is not replaceable (for further information please see Service Bulletin 599374122).

5.4.6 Door switch

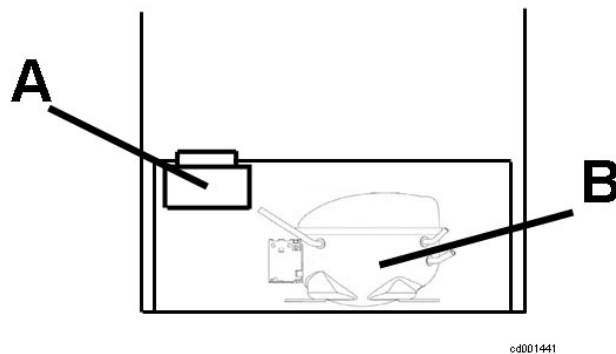
The battery evaporator defrosting is driven by the electronic board and depends also on the detection of the opening of the freezer door by means of:

- a button for the freezer door control (located on the left side of the cold module).



Freezer door button

5.5 Compressor compartment



Key:

- A. connections box
- B. compressor

The connections box is located in the compressor compartment to connect the various electrical components.

6 MAIN FUNCTIONS

6.1 Normal



Warning: Unplug the appliance before operating.

In case of first switching on with a freezer compartment temperature higher than 10 °C, the appliance operates with a test cycle (for the factory) for a maximum time of about 1,5 hours.

In this period do not check the correct functioning of the appliance, since the loads are activated only for internal check (compressor, fan and defrosting heater).

When the appliance is off then:

- the compressor is off
- the displays are off

Pushing the ON/OFF button, the displays switch on with the following displaying:

- + symbol on cooler display
- flashing digits of the freezer
- freezer compartment temperature alarm (buzzer active)

Push the alarm deactivation button to deactivate the buzzer.

Regulate the temperatures of the compartments so as to set the following values:

- about +5 °C in the cooler
- about -18 °C in the freezer

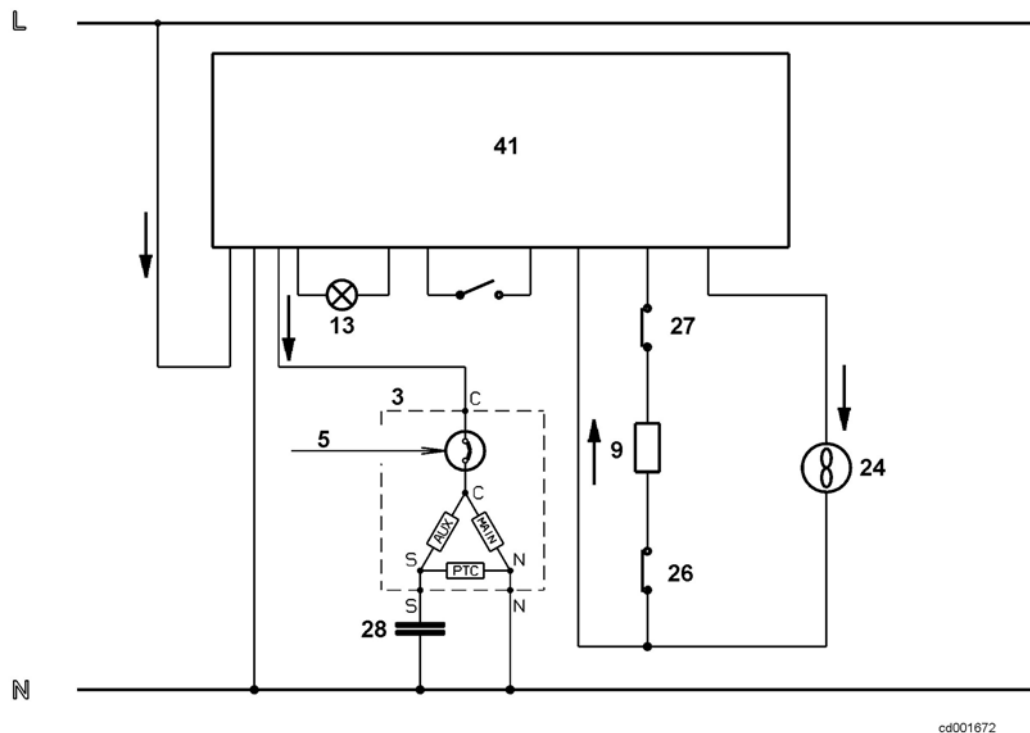
In NOFROST freezers, the humidity inside the freezer compartment accumulates on the evaporator battery thanks to the air circulation, thus preventing the formation of frost on food.

During normal operation time the electronic board powers the compressor (3) and the fan (24) circuits.

The fan is activated or deactivated with a 2 minute delay compared to the compressor.

The operation time which corresponds to the interval between the following defrosting lasts about 14 hours with normal opening of the door (it can last up to 72 hours if the doors are never opened!).

The arrows in the picture indicate the current path.



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6.2 Normal with first switching on or power failure

In case of fault when the appliance is switched on for the first time or in case of a power failure, one of the two conditions described below occurs:

1. If the internal temperature is higher or the same as the sensor cut-in temperature (CUT-IN), when the power is restored, the electronic board activates the compressor and the fan till the set temperature is reached and after 5 hours the electronic board activates the defrosting procedure (after the compressor cut-out)
2. If the internal temperature is lower than the sensor cut-in temperature (CUT-IN), when the power is restored, the compressor functions in thermostatic conditions and after 5 hours the electronic board activates the defrosting procedure (after the compressor cut-out)

The electronic board activates, in any case, the defrosting procedure 5 hours after the first switching on and after a power failure.

6.3 Defrosting

All the humidity in the compartment accumulates on the evaporator, which is the coldest part of the compartment; periodically, about every 14 hours with normal door opening (up to 72 hours if the doors never open!), it is then necessary to defrost the ice on the battery.

The defrosting starts after the compressor cut-out or if the compressor is on after 2,5 hours max.

The electronic board immediately disconnects the circuit which powers the compressor (3) after 2 minutes the fan (24), waits 3 minutes and then it powers the circuit of the defrosting heater (9) for a minimum time of about 20 minutes.

The heat generated by the defrosting heater does not affect the freezer compartment temperature or the food packages temperature, because the thermal energy is consumed in the defrosting process of the evaporator ice.

After 20 minutes, the electronic board checks the state of the thermal switch (27) every minute to detect the cut-out.

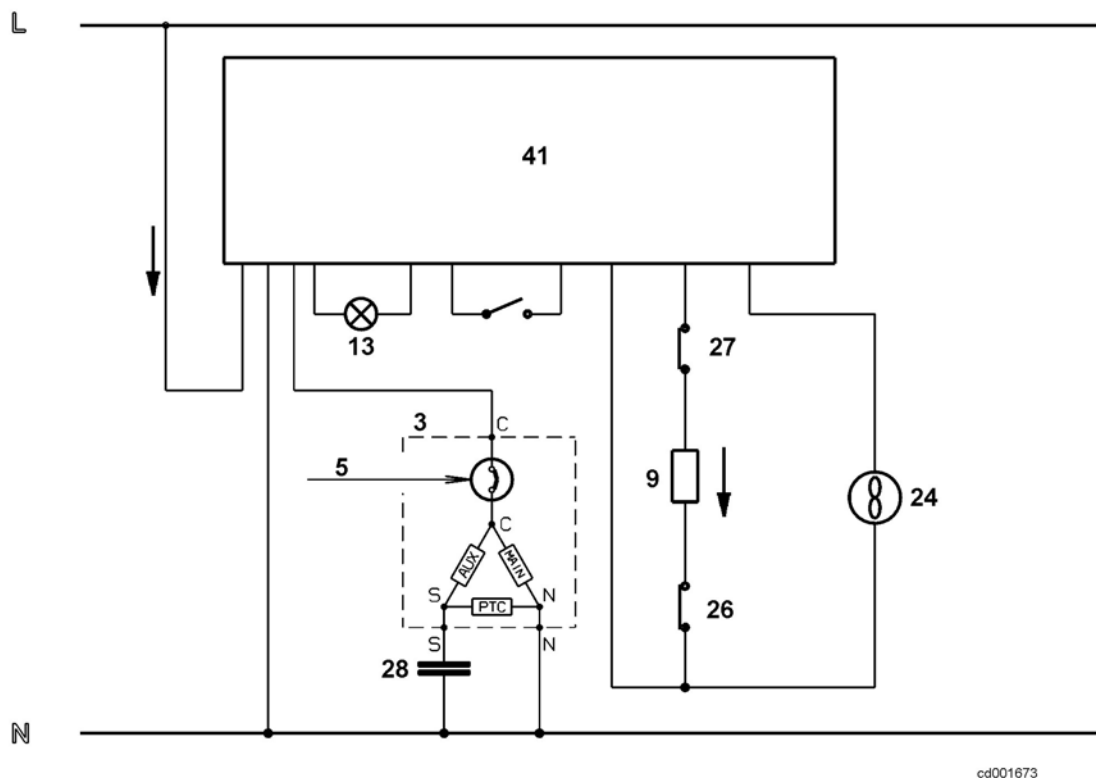
When the defrosting switch cuts-out, and anyway after 20 minutes, the electronic board switches the compressor on (3) with a 5 minute delay.

After 3 minute delay, when the air is already cold, the fan switches on too (24).

If for any reason, the defrosting cut-out switch (27) does not switch on and the battery temperature rises up to 40 °C, the defrosting heater (9) will be switched off by the safety thermal switch (26).

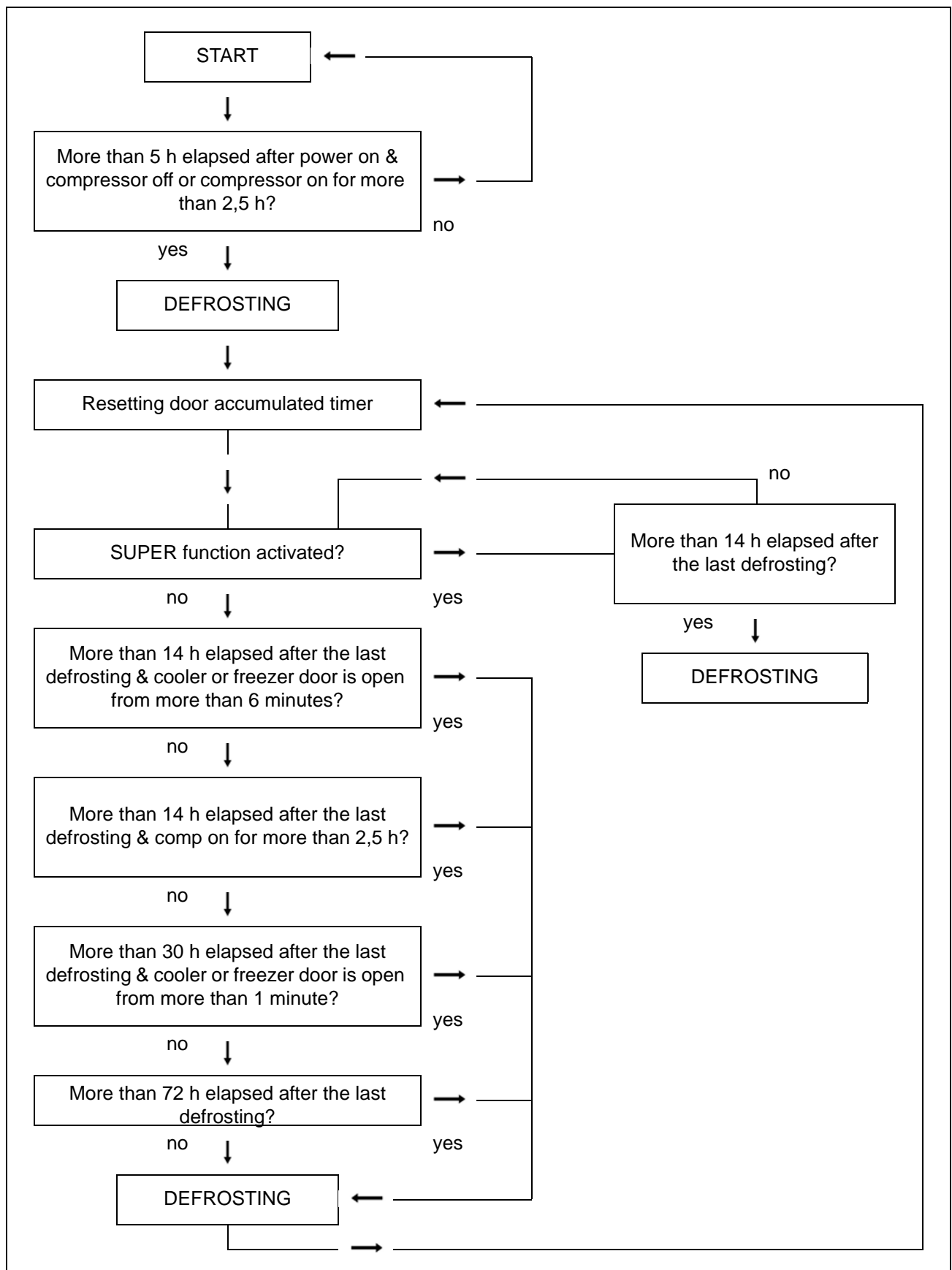
If 1 hour after the starting of the defrosting, the thermal switches did not cut out, the electronic board switches the defrosting heater off and continues its operation.

The arrows in the picture indicate the current path.



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6.4 Flow chart for the defrosting management



6.5 FROSTMATIC Function (rapid freezing)

The FROSTMATIC function (rapid freezing) is activated by pushing the relative button, therefore:

- The pilot lamp relative to the FROSTMATIC function lights up;
- The compressor operates in thermostatic conditions and not continuously (like the temperature knob was on max. position) for a duration of about 52 hours, and then it deactivates automatically.

To deactivate the FROSTMATIC function push the relative button.

With the FROSTMATIC function some fixed defrosting can occur anyway depending on how much time has elapsed after the last defrosting.

6.6 COOLMATIC Function (rapid cooling)

The COOLMATIC function (rapid cooling) is activated by pushing the relative button, therefore:

- The pilot lamp relative to the COOLMATIC function lights up;
- The compressor operates in thermostatic conditions and not continuously (like the temperature knob was on max. position) for a duration of about 6 hours, and then it deactivates automatically.

To deactivate the COOLMATIC function push the relative button.

6.7 HOLIDAY Function (valid only for the cooler)

The HOLIDAY function is activated when the customer does not want to use temporary the cooler.

In this case it is not necessary to leave the cooler door open, because a 15 °C temperature is automatically set to avoid the formation of bad odours inside.

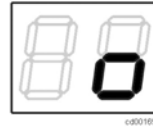
To activate the HOLIDAY function push button + (temperature increase) till letter H is shown in the cooler display.

Obviously the cooler must be empty because the 15 °C temperature does not allow the preservation of the most common food.

6.8 Malfunctioning of cooler air temperature sensor

If during the normal operation a failure occurs to the cooler NTC temperature sensor (the signal coming from the sensor is out of range), then:

- The display shows cooler temperature sensor faulty.
- The air flow regulator (damper) operates as follows:
 - open when the compressor is on
 - closed when the compressor is off.
- The defrosting procedure is activated every about 10 hours.

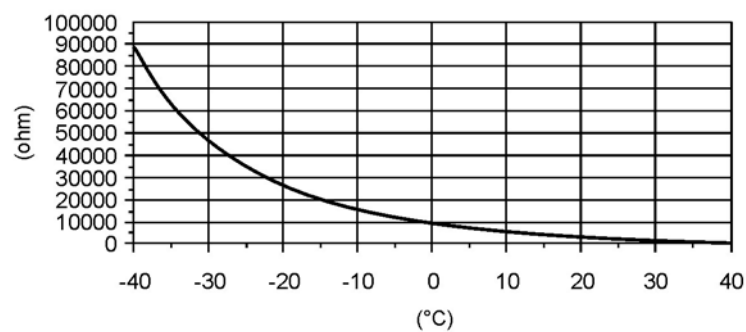


When the sensor operates again normally, the above described conditions terminate.

Characteristics of the NTC sensor:

T (°C)	ΔT (±°C)	Rn (Ω)
10	±0.6	5337
9	±0.6	5600
8	±0.5	5877
7	±0.5	6171
6	±0.5	6481
5	±0.5	6809
4	±0.5	7156
3	±0.5	7523
2	±0.4	7911
1	±0.4	8322
0	±0.4	8758
-1	±0.4	9218
-2	±0.4	9705
-3	±0.4	10222
-4	±0.5	10770
-5	±0.5	11352
-6	±0.5	11969
-7	±0.5	12624
-8	±0.5	13320
-9	±0.5	14059
-10	±0.5	14845
-11	±0.5	15678
-12	±0.6	16564
-13	±0.6	17506
-14	±0.6	18509
-15	±0.6	19577
-16	±0.6	20715
-17	±0.6	21928
-18	±0.6	23221
-19	±0.6	24600
-20	±0.6	26072
-21	±0.7	27637
-22	±0.7	29307
-23	±0.7	31092
-24	±0.7	32999
-25	±0.7	35039
-26	±0.7	37221
-27	±0.7	39556
-28	±0.7	42056
-29	±0.8	44735
-30	±0.8	47606
-31	±0.8	50668
-32	±0.8	53952
-33	±0.8	57475
-34	±0.8	61258
-35	±0.8	65320
-36	±0.8	69686
-37	±0.8	74381
-38	±0.8	79431
-39	±0.9	84867
-40	±0.9	90721

cd001050



cd001199

6.9 Malfunctioning of freezer temperature sensor

If during the normal operation a failure occurs to the freezer NTC temperature sensor (the signal coming from the sensor is out of range), then:

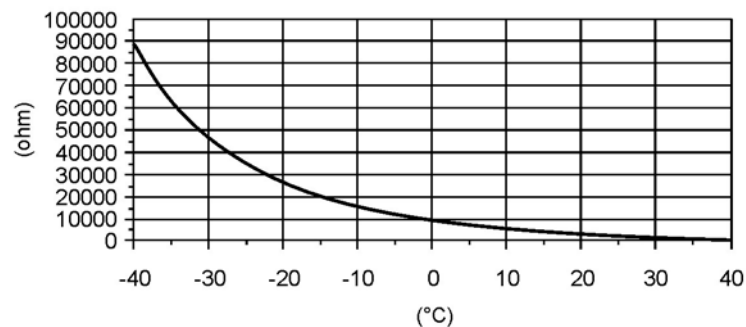
- The display shows freezer temperature sensor faulty.



- The appliance operates with preset cycle when the compressor is powered for 40 minutes and remains off for 40 minutes alternatively.
- The defrosting procedure is activated every about 10 hours.

Characteristics of the NTC sensor:

T (°C)	ΔT (± °C)	Rn (Ω)
10	±0.6	5337
9	±0.6	5600
8	±0.5	5877
7	±0.5	6171
6	±0.5	6481
5	±0.5	6809
4	±0.5	7156
3	±0.5	7523
2	±0.4	7911
1	±0.4	8322
0	±0.4	8758
-1	±0.4	9218
-2	±0.4	9705
-3	±0.4	10222
-4	±0.5	10770
-5	±0.5	11352
-6	±0.5	11969
-7	±0.5	12624
-8	±0.5	13320
-9	±0.5	14059
-10	±0.5	14845
-11	±0.5	15678
-12	±0.6	16564
-13	±0.6	17506
-14	±0.6	18509
-15	±0.6	19577
-16	±0.6	20715
-17	±0.6	21928
-18	±0.6	23221
-19	±0.6	24600
-20	±0.6	26072
-21	±0.7	27637
-22	±0.7	29307
-23	±0.7	31092
-24	±0.7	32999
-25	±0.7	35039
-26	±0.7	37221
-27	±0.7	39556
-28	±0.7	42056
-29	±0.8	44735
-30	±0.8	47606
-31	±0.8	50668
-32	±0.8	53952
-33	±0.8	57475
-34	±0.8	61258
-35	±0.8	65320
-36	±0.8	69686
-37	±0.8	74381
-38	±0.8	79431
-39	±0.9	84867
-40	±0.9	90721



cd001199

cd001050

7 ALARMS

7.1 Freezer compartment temperature alarm

When the freezer compartment reaches -11 °C, the temperature alarm activates:

- The display digits flash.
- The temperature alarm pilot lamp light up.
- The buzzer sounds.

Push the alarm deactivation button to deactivate the buzzer.

When normal conditions are reset (after a power failure):

- The acoustic signal deactivates.
- The temperature alarm pilot lamp remains on.
- The display digits still flash.

Pushing the alarm deactivation button:

- The highest temperature reached in the freezer compartment is displayed for 5 minutes.
- The alarm pilot lamp switches off.
- The display digits do not flash anymore.

8 ACCESSIBILITY

8.1 Freezer compartment



Warning: Disconnect the appliance from the electric power before operating with the appliance.

8.1.1 Battery evaporator

To access the battery evaporator and its components (fan, defrosting heater, door switch, and thermal switches) perform the following operations in sequence:

- Remove the freezer drawers.
- Detach the fan and defrosting heater connectors located inside the connections box (compressor compartment).
- Cut the wiring fixing tie.



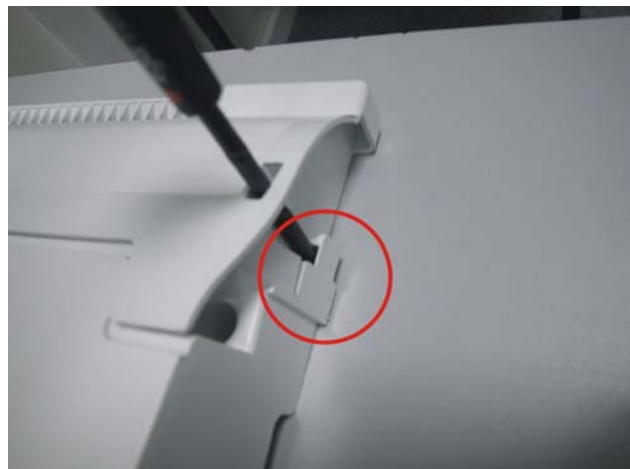
d) Lean the appliance on the rear side (condenser side).



e) Insert a screwdriver into the right hook and release it.



f) Insert a blade inside the F slot and release the internal hook.



g) View of the internal hook.



h) Lift and pull the air vent grid.



i) Unscrew the 2 fixing screws of the air diffuser.



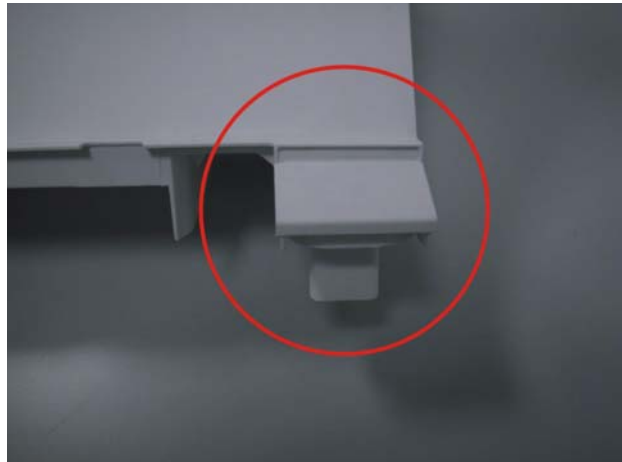
l) Cut the air diffuser pulling and lifting it up.



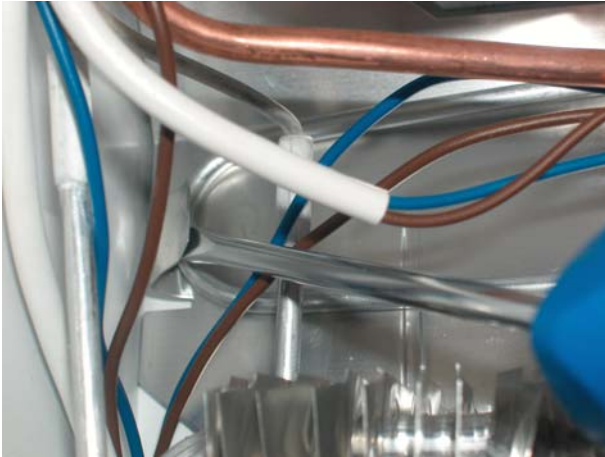
m) Remove the 2 fixing screws of the cold module.



n) Pull backward the cold module support releasing the rear water drain duct.



o) View of the rear water drain duct.



p) Release the left hook of the defrosting heater.



q) Release the right hook of the defrosting heater.



r) Cut the wiring tie of the thermal switches and release them from the evaporator.
Note:
The defrosting and cut-out thermal switches (+8 / +40°C) are connected together, therefore they are not available as single spare parts.



s) Remove the sealing rubber.



t) Remove the wiring fixing tie.



u) Unplug the connector of the thermal switches.



v) The heater is fitted to the evaporator by means of the aluminium ties.



w) Remove the fan extracting it from the evaporator support.



In case of replacement of the fan, it is necessary to ensure that the fan draws in air.



x) To remove the freezer door switch.



y) Release the door button hook and simultaneously pull it backward.

8.2 Control panel

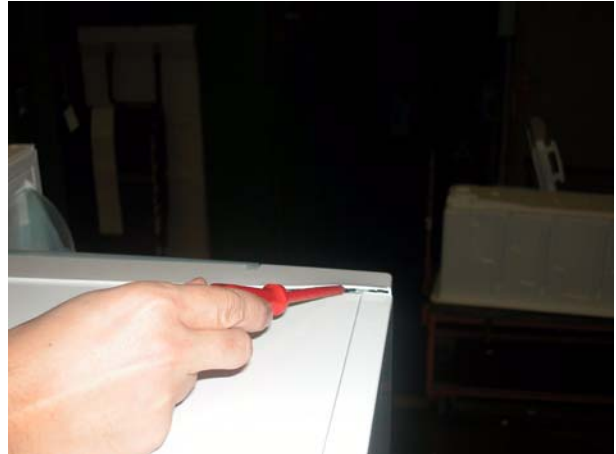


Warning: Unplug the appliance before operating.

To access the control panel and its components (power/display boards and electric connectors) perform the following operations:



a) Unscrew the 2 fixing screws of the control panel locating under the upper hinges.



b) Release the 2 hooks of the control panel inserting a screwdriver into both its sides.



c) Pull backward the control panel.



d) It is possible to access the connectors of the electronic boards.



e) View of the electronic board connectors.

8.3 Cooler compartment accessibility



Warning: Disconnect the appliance from the electric power before operating with the appliance.

8.3.1 Air flow regulator (damper)

To access the air diffuser and its components (air flow regulator damper and lamp holder) perform the following operations in sequence:



a) Open the air carbon filter door, release and remove it.



b) Unscrew the 2 front fixing screws of the lamp holder.



c) Unscrew the 2 upper fixing screws of the lamp holder.



d) View of the lamp holder.



e) The damper is fitted with 2 screws and is connected to the electric wiring by means of a 4-pole connector.

8.3.2 LED lighting (optional depending on the models)

To gain access to the LED board, perform the following operations:



a) Remove the LED cover releasing the 2 side hooks.



b) Remove the LED electronic board releasing the upper and lower hooks.



c) View of the 3-pole connector of the LED electronic board.

9 TROUBLESHOOTING



Warning: Unplug the appliance before operating.

9.1 Excessive ice formation on the battery :

If the rubber valve remains open, the humid air outside the freezer compartment is ducted inside and it accumulates too much ice on the battery.

The valve remains open if there are foreign bodies or if it loses elasticity; therefore, in the first case the foreign bodies must be removed, while in the latter the rubber valve must be replaced.



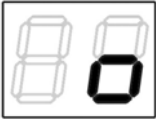


9.2 Failed defrosting:

In case of failed defrosting, the possible causes are:




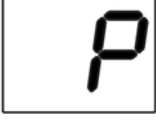
Sequence no	POSSIBLE CAUSES	HOW TO CONTROL	SOLUTION
1.	The defrosting heater is interrupted	Unplug the appliance, remove the connector of the heater and verify with the tester the correct resistance value to the connector clamps	If the resistance value does not correspond to the technical data, replace the heater
2.	One or both switches of the thermal protectors are open	Frost the battery, then detach the power plug of the appliance, remove the connector of the thermal switches and verify with the tester the correct resistance value to the connector clamps	If the resistance value does not correspond to 0 (zero Ohm) replace the thermal switches assembly

10 DISPLAY SYMBOLS

10.1 Cooler compartment

DISPLAY	DIGITS	DESCRIPTION
	NOT FLASHING	It indicates the cooler temperature with normal function [from +2 to +8]
	NOT FLASHING	It indicates the HOLIDAY function of the cooler compartment [15 °C]
	NOT FLASHING	It indicates the malfunctioning of cooler air temperature sensor
	NOT FLASHING	It indicates incompatibility between the electronic boards Remedy: check the spare part nos. of the electronic boards
	NOT FLASHING	It indicates eeprom parameter writing/reading error Remedy: replace both electronic boards (power and display)

10.2 Freezer compartment

DISPLAY	DIGITS	DESCRIPTION
 cd001150	NOT FLASHING	It indicates the freezer temperature with normal function [from -15 to -24]
 cd001151	NOT FLASHING	It indicates the malfunctioning of freezer air temperature sensor
 cd001152	NOT FLASHING	It indicates incompatibility between the electronic boards Remedy: check the spare part nos. of the electronic boards
 cd001153	NOT FLASHING	It indicates eeprom parameter writing/reading error Remedy: replace both electronic boards (power and display)