

T2-1341



110872

Bartscher GmbH
Franz-Kleine-Str. 28
D-33154 Salzkotten
Germany

Phone: +49 5258 971-0
Fax: +49 5258 971-120
Service hotline: +49 5258 971-197
www.bartscher.com



Version: 2.0

Date of preparation: 2023-06-20

Original instruction manual

1	Safety	2
1.1	Explanation of Signal Words	2
1.2	Safety instructions.....	3
1.3	Intended Use	6
1.4	Unintended Use	6
2	General information	7
2.1	Liability and Warranty	7
2.2	Copyright Protection	7
2.3	Declaration of Conformity	7
3	Transport, Packaging and Storage	8
3.1	Delivery Check.....	8
3.2	Packaging	8
3.3	Storage	8
4	Technical Data.....	9
4.1	Technical Specifications	9
4.2	Functions of the Appliance.....	10
4.3	List of Components of the Appliance	11
5	Installation and operation	12
5.1	Installation.....	12
5.2	Operation	15
6	Cleaning and Maintenance	19
6.1	Safety Instructions for Cleaning	19
6.2	Cleaning.....	19
6.3	Maintenance	20
7	Possible Malfunctions.....	22
8	Disposal.....	24



Read this instruction manual before using and keep it available at all times!

This instruction manual contains information about installation, operation and maintenance of the appliance and constitutes an important source of information and reference guide. The knowledge of all operational and safety instructions included in this manual is a prerequisite for safe and proper handling of the appliance. Additionally, accident prevention, occupational health and safety, and legal regulations in force in the area the appliance is used apply.

Before you start using the appliance, especially before turning it on, read this instruction manual in order to avoid personal injuries and property damages. Improper use may cause damage.

This instruction manual forms an integral part of the product and must be stored in an immediate vicinity of the appliance and be available at all times. The instruction manual should be transferred together with the appliance.

1 Safety

This appliance has been manufactured in accordance with technical standards currently in force. However, the appliance may be a source of hazards if used improperly or contrary to its intended purpose. All persons using the appliance must consider information included in this instruction manual and observe safety instructions.

1.1 Explanation of Signal Words

Important safety instructions and warning information are indicated in this instruction manual with appropriate signal words. You must strictly follow the instructions, to prevent accidents, personal injuries and property damages.



DANGER!

The signal word **DANGER** warns against hazards that lead to severe injuries or death if the hazards are not avoided.



WARNING!

The signal word **WARNING** warns against hazards that may lead to moderate or severe injuries or death if the hazards are not avoided.



CAUTION!

The signal word **CAUTION** warns against hazards that may lead to light or moderate injuries if the hazards are not avoided.

IMPORTANT!

The signal word **IMPORTANT** indicates possible property damages, which may occur if safety instructions are not observed.

NOTE!

The symbol **NOTE** indicates subsequent information and guidelines for the user on usage of the appliance.

1.2 Safety instructions

Electrical Current

- Too high a mains voltage or incorrect installation may cause electric shock.
- The appliance may be connected only if data on the rating plate correspond with the mains voltage.
- To avoid short-circuit, the appliance should be kept dry.
- If there are malfunctions during operation, disconnect the appliance from the power supply.
- Do not touch the appliance's plug with wet hands.
- Never take hold of the appliance if it has fallen into water. Immediately disconnect the appliance from the power supply.
- Any repairs or housing opening may be carried out by professionals and relevant workshops only.
- Do not transport the appliance, holding it by the power cord.
- Do not allow the power cord to come into contact with heat sources or sharp edges.
- Do not bend, pinch nor knot the power cord.

- Always completely unwind the power cord.
- Never place the appliance or other objects on the power cord.
- Always take hold of the plug to disconnect the appliance from the power supply.
- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

Fire hazard / flammable materials hazard / explosion hazard!

- Do not use any electric devices in the appliance.
- Do not store nor use petrol or other flammable liquids and gases in the vicinity of this or any other appliance. Those gases may cause fire or explosion hazard.
- Do not put into the appliance any explosive materials, like sprays filled with flammable propellants. Contents of containers filled with flammable gases and liquids may leak in low temperatures, and the contents may catch fire from sparks generated by an electric appliance. Explosion hazard!
- In the case of coolant leakage, pull the plug from the socket. Remove all sources of ignition in the vicinity, ventilate room and contact technical service. Avoid coolant getting in contact with eyes, as it may cause serious eye damage.
- Never use any flammable liquids for cleaning the appliance or its parts. Gases released may cause fire or explosion hazard.
- In the case of fire, disconnect the appliance from the power supply before attempting adequate fire-extinguishing actions.
- Never attempt to extinguish fire with water if the appliance is connected to the power supply. Following extinction of fire, ensure sufficient fresh air inflow.
- Defrosting process may not be sped up with mechanical means or heat energy sources (candles or heaters) nor with any other means. Vapour produced may cause short-circuit and too high temperatures may damage the appliance.
- All ventilation slots should not be obstructed during operation.
- Never attempt to damage cooling installation of the appliance.

Safety

Operating Personnel

- The appliance may only be operated by qualified personnel and trained specialist personnel.
- This appliance may not be operated by persons (including children) with limited physical, sensory or mental capabilities, nor by persons with limited experience and/or limited knowledge.
- Children should be supervised to ensure that they are not playing with or switching on the appliance.

Improper Use

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used when its technical condition is flawless and allows for safe operation.
- The appliance may only be used when all connections are executed according to rules of law in force.
- The appliance may only be used when it is clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not introduce any changes in the appliance nor modify it.

- Do not drill hole in the appliance nor install any objects on it.
- Do not place any heavy objects on the appliance.

1.3 Intended Use

As described below, every use of the appliance for a purpose differing and/or diverging from its intended standard use, is prohibited and considered to be an unintended use.

The following is an intended use:

- Freezing and prolonged storage of suitable food products.

The appliance is intended for operation in maximum ambient temperature of 30°C and relative humidity of 55%.

1.4 Unintended Use

An unintended use may lead to personal injuries or property damages caused by hazardous voltage, fire or high temperature. The appliance may only be used to perform tasks described in this instruction manual.

The following is an unintended use:

- Storing flammable or explosive objects and liquids, such as ether, petroleum or adhesives;
- Storing explosive materials, like sprays filled with flammable propellants;
- Storing pharmaceutical products or preserved blood.

2 General information

2.1 Liability and Warranty

All information and instructions in this instruction manual account for legal regulations in force, current level of technical engineering knowledge as well as our expertise and experience, developed over the years. If special models or additional options are ordered, or state-of-the-art technical solutions were implemented, the actual scope of delivery of the appliance may, in some circumstances, differ from descriptions and numerous drawings in this instruction manual.

The manufacturer is not liable for any damages nor faults stemming from:

- failure to observe instructions,
- unintended use,
- technical alterations introduced by the user,
- usage of unapproved spare parts.

We reserve the right to introduce technical modifications to the product, intended for improvement of the appliance and its performance.

The warranty period for this appliance is 24 months, counted from the purchase date.

EN

2.2 Copyright Protection

This instruction manual, and texts, drawings and images included in it, as well as its other components are copyright protected. It is prohibited to reproduce this instruction manual (including its excerpts), in any form and by any means, and to use and/or transfer its content to third parties without manufacturer's written permission. Violation of the above results in obligation to pay compensation. We reserve the right to claim further damages.

2.3 Declaration of Conformity

The appliance meets the currently applicable standards and guidelines of the European Union. We confirm the above in the EC Declaration of Conformity. We may provide relevant Declaration of Conformity upon request.

3 Transport, Packaging and Storage

3.1 Delivery Check

Immediately upon reception, check the delivery for completeness and possible shipping damage. In the case of visible transport damage refuse to accept the appliance or accept it conditionally. Mark and note the scope of damage in shipping documents/consignment list of the shipping company and lodge a complaint.

Concealed damage must be reported immediately upon its discovery, as compensation claims may only be filed within applicable time limits.

If you find that parts or accessories missing, please contact our Customer Service Department.

3.2 Packaging

Do not dispose of the appliance cardboard box. It may be used to store the appliance when relocating or when shipping the appliance to our service point in the case of any damages.

The packaging and its elements are made of recyclable materials. Particularly, these are: plastic films and bags, cardboard box.

When disposing of the packaging, observe applicable domestic regulations. Recyclable packaging materials should be recycled.

3.3 Storage

Leave the packaging closed until installation of the appliance; observe external indications concerning method of placing and storage. Store the packaging in the following conditions only:

- in closed rooms;
- in dry and dust-free surrounding;
- away from aggressive agents;
- in a location protected against sunlight;
- in a location protected against mechanical shocks.

In the case of extended storage (over three months), make sure you check the condition of the packaging and the parts regularly. If needed, replace the packaging with a new one.

4 Technical Data

4.1 Technical Specifications

Name:	Freezer Counter T2-1341
Art. No.:	110872
Material:	stainless steel
Worktop material:	stainless steel
Inner material:	stainless steel aluminium
Number of cabinets:	1
Cabinet dimensions (W x D x H), in mm:	335 x 570 x 554
Cabinet Gastro Norm:	1/1 GN
Number of grates:	2
Number of guide rail pairs:	6
Distance between guide rail pairs, in mm:	70
Number of doors:	2
Temperature range, min.–max., in °C:	-22 - -18
Temperature control, in °C increments:	0,1
Ambient temperature, max., in °C:	30
GWP index:	3
Coolant, amount in kg:	R290 0,060
Climate class:	4
Energy efficiency class:	E (EU Nr. 2015/1094-IV)
Energy consumption, in kW/year:	2644
Height-adjustable feet, from–to, in mm:	125 - 200
Connected load:	0,667 kW 230 V 50 Hz
Dimensions (W x D x H), in mm:	1345 x 715 x 725
Weight, in kg:	92,4

We reserve the right to implement technical modifications.

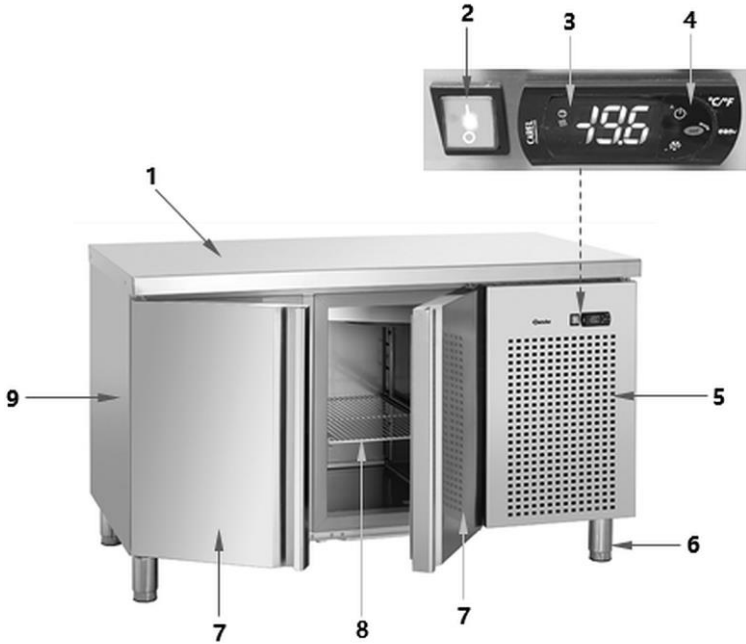
Version / Characteristics

- Cooling: circulating air
- Cabinets: cooled
- Thermostat
- Automatic defrost function
- Evaporation of condensed water
- Insulation: 50 mm polyurethane
- Door type: leaf door
- Door hinge: 1 x right | 1x left, non-adjustable
- Control: electronic
- Digital display
- ON/OFF switch
- The set includes: 2 grates

4.2 Functions of the Appliance

The freezer counter can be used to freeze and store suitable food or prepared food for a specific period of time in suitable containers at suitable temperature settings. Thanks to air circulation cooling, the unit maintains a constant and even temperature during operation.

4.3 List of Components of the Appliance



EN

Fig. 1

- | | |
|-------------------------|--|
| 1. Worktop surface | 2. ON/OFF switch with integrated power indicator light (green) |
| 3. Digital display | 4. Temperature controller operating keys |
| 5. Ventilation openings | 6. Foot (4 pcs), height adjustable |
| 7. Door (2 pcs) | 8. Grate (2 pcs) |
| 9. Housing | |

5 Installation and operation

5.1 Installation



CAUTION!

Incorrect installation, positioning, operation, maintenance or misuse of the appliance may lead to personal injury or property damage.

Positioning and installation, as well as repairs may be performed by authorised technical service only and in compliance with the applicable national law.

NOTE!

The manufacturer disclaims all liability and provides no warranty for damages, which may be attributed to non-observance of regulations or incorrect installation.

EN

Unpacking / Positioning

- Unpack the appliance, remove all external and internal packaging elements and shipment safeguards.



CAUTION!

Choking hazard!

Prevent children from accessing package materials, for instance: plastic bags and EPS.

- If the appliance is covered with a protective film, remove it. Remove the film slowly, so no glue residues are left. Remove any glue residues with the use of a suitable solvent.
- Be careful not to damage the rating plate and warning labels fixed on the appliance.
- **Never** place the appliance in humid or wet environment.
- Place the appliance in a way making the connections easily accessible, so that they may be quickly disconnected if such a need arises.
- The appliance should be placed on surfaces that are:
 - even, with sufficient bearing capacity, resistant to water, dry and resistant to high temperatures;

Installation and operation

- sufficiently large, and thus enabling usage of the appliance with no problems;
 - easily accessible;
 - well ventilated.
- Do not place the appliance in direct sunlight or in the vicinity of heat sources (cooker, radiator, heating devices, etc.). Heat sources may negatively affect power consumption, and restrict functions of the appliance, too.
 - Place the appliance so that sufficient air circulation is ensured. Do not block nor cover ventilation openings in the front and rear wall of the appliance.
 - Leave at least 10 cm clearance from walls and other objects.

 - Do not position the appliance in high humidity locations. Air relative humidity in the place of installation should not exceed 55%. Excessive humidity may cause rust and negatively influence the refrigerating efficiency of the appliance.
 - The appliance should be installed only in rooms, where ambient temperature does not exceed 30°C.

 - In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.

 - To install the appliance, perform the following steps:
 - Remove the packaging of the appliance, except for the pallet.
 - Lift the appliance with the lift truck and move it to the planned installation location. Be careful not to damage the appliance. Control the stability in order not to lose the balance of the appliance.
 - Do not drag nor push the appliance, as it may fall down. This may also cause the damage to external elements or feet.
 - As soon as the appliance is in the planned installation location, remove the pallet.
 - Level the appliance by screwing in or out the feet.
 - Remove the protective film from the appliance at the end.

Power supply connection

- Verify if technical data of the appliance (see rating plate) correspond with the local electric power grid specification.
- Connect the appliance to a single, properly grounded mains socket with protective contact. Do not connect the appliance to a multi-socket.
- The power cord should be laid in a way preventing anyone from threading on it or tripping against it.
- When the electrical connection is established, check that the supply voltage during appliance operation does not deviate by $\pm 10\%$ from the nominal value indicated on the rating plate.
- It is imperative that electrical installations to which the appliance is connected are EARTHED and equipped with thermal overload protection and compensation (we recommend 30 mA).
- The power cord used to connect to the mains is of Schuko type (also called type F or CEE 7/4"). If a faulty power cord is replaced, a cable with the same or better characteristics must be used.
- Replacement of a damaged power cord must be carried out by a qualified technician to avoid potential hazards.
- The electrical socket must also be of Schuko type, with 4 mm, 8 mm terminals and earthing.
- Prior to first use, the appliance should be installed and left standing upright for at least 2 hours, before it is connected to power supply.
- After a power failure or when the plug is removed from the socket, do not reconnect the appliance to power supply for at least 5 minutes.

5.2 Operation

Freezing of Food Products in the Freezer Counter

- Deep-freeze only food products that are suitable to this end and withstand low temperatures well.
- Deep-freeze only fresh food products.
- A suitable packaging should be selected for each food product and the product should be packed well. The packaging must be air-tight and impervious to water, as this could cause the frozen product to dry. Plastic films and bags should be soft and smooth, so that they stick to the contents well.
- Never freeze again any thawed or partially thawed products. Such products should be processed and consumed within maximum of 24 hours.
- Observe proper indications of the manufacturers as to the freezing of given food products.
- It is best to freeze products in small portions and thaw them one by one. This caters for fast and uniform freezing and thawing. Frozen product should be described with its name and the date of freezing.
- When freezing larger amounts of fresh food products, the temperature in the appliance may rise temporarily. This does not affect the already stored food products.
- Do not place bottles filled with liquids in the appliance. Freezing liquids increase their volumes and may cause bottles to crack.
- Avoid opening of doors during the freezing process.
- In the event of a sudden power cut, make sure about the following:
 - if the interruption lasts no longer than 20 minutes, no action needs to be taken; only, if possible, do not open the door, so as not to lose temperature;
 - if the interruption lasts longer than the aforementioned 20 minutes, check that the food has not exceeded its critical point. Watch to see if it has spoiled and avoid opening the door.

NOTE!


The maximum temperature at which food in the freezer table does not start to spoil is -15°C.

Appliance Preparation and Start-Up

1. Before use, clean the appliance and accessories thoroughly, following indications in section 6 '**Cleaning and Maintenance**'.
2. Then dry the appliance thoroughly.
3. Plug the appliance into a suitable single socket.
4. Switch the appliance on by pressing the ON/OFF switch to 'I' position.

The green power indicator light in the ON/OFF switch lights up.

The temperature controller digital display shows the air temperature inside the appliance. When the door is closed, the temperature drops to the set value during operation.

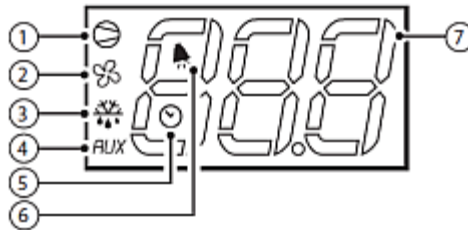
Three minutes after the appliance is switched on, the 'compressor status' LED indicator light will be on continuously .

5. Switch the appliance on (without food products). Follow indication in the subsequent sections of the instruction.
6. Before first use and before putting any food products into the appliance, the appliance should reach the set temperature.

NOTE!

For setting the desired temperature, defrosting, etc., refer to the following sections of this operating manual or the enclosed electronic control manual.

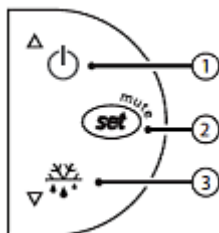
Messages



	Assigned Function	Normal Operation			Start-up
		ON	OFF	Flashes	
1	Compressor	ON	OFF	Required	ON
2	Fan	ON	OFF	Required	ON
3	Defrosting	ON	OFF	OFF	ON
4	Auxiliary output	Active output	Inactive output	-	ON
5	RTC clock	RTC available, activated (tEN=1) and at least 1 programmed time cycle	RTC unavailable / deactivated (tEN=0) and no programmed time cycle	-	ON
6	Alarm	Active alarm	No active alarm	-	ON
7	Digits display	Consists of 3 displayed positions with a point and -199...999 interval. See /4, /5, /6 parameters for the sensor measurement value display, values in °C/°F and a point			

Table 1

Functions of Buttons



Button		Normal Operation		Start-up	
		Single press of the button	Combo press of buttons		
1	UP ON/OFF	<ul style="list-style-type: none"> For more than 3 sec.: interchangeable display of the ON/OFF status 	Pressed concurrently: Activation/deactivation of continuous operation	-	
3	DOWN Defrost	<ul style="list-style-type: none"> For more than 3 sec.: Activation/deactivation of defrosting 		Pressed concurrently: Activation of parameter RESET procedure	Pressed for more than 1 sec.: Display of software version
2	Set Mute	<ul style="list-style-type: none"> 1 sec.: Display/setting of the set value For more than 3 sec.: Access to parameter configuration (input password 22) Switching off the sound alarm (buzzer) 	-	Pressed for more than 1 sec.: EZY RESET	

Table 2

Defrosting

The appliance is equipped with an automatic defrosting function.

The defrosting process starts two hours after start-up.

Switching the Appliance OFF

1. If appliance is no longer used, switch it off, by setting the ON/OFF switch in 'O' position.
2. Disconnect the appliance from the mains socket (pull the plug out).

6 Cleaning and Maintenance

6.1 Safety Instructions for Cleaning

- Before cleaning, disconnect the appliance from the power supply.
- Leave the appliance to cool down completely.
- Make sure water does not enter the appliance. Do not immerse the appliance in water or other liquids during cleaning. Do not clean the appliance with a pressurized water jet.
- Do not use any sharp or pointed, nor metal implements (knife, fork, etc.). Sharp or pointed implements may damage the appliance, and when in contact with live parts, they may cause electric shock.
- For cleaning, do not use any scouring agents that contain solvents nor corrosive cleaning agents. They may damage the surface.
- Never use hot water to clean the appliance.
- Do not use iron wool nor iron brushes to clean stainless steel, as these can leave iron particles on the surface of the appliance which, due to oxidation, lead to the formation of rust.

6.2 Cleaning

1. Clean the outside of the appliance at the end of a working day.
2. Wipe the housing of the appliance, the door on the outside and the worktop with a damp, soft cloth. Use a mild cleaning agent when required.
3. Finally, dry the cleaned surfaces and elements thoroughly with a soft cloth.
4. Regularly clean the appliance from the inside.

5. To this end, remove all objects from the appliance and store them temporarily in a cool room or in a refrigerator.
6. Remove grates from the appliance.
7. Clean grates with a mild washing agent and a soft cloth or sponge in warm water.
8. Rinse grates with fresh water and dry thoroughly with a soft cloth.
9. Clean the inside of the appliance as well as the appliance door and door seals with warm water and a soft, damp cloth. Use a mild cleaning agent when required.
10. Use a wooden or plastic spatula, or a soft cleaning sponge to remove the dried remains.
11. Wipe the cleaned surfaces with a cloth soaked in fresh water.
12. Then dry the appliance thoroughly with a soft cloth.
13. Leave the appliance door open for the appliance to dry completely.
14. Place grates back in the appliance.
15. If the appliance is not to be used for a longer period of time, clean it according to the instructions above. All stainless steel surfaces should be coated with a protective layer using a cloth soaked in Vaseline and the premises should be aired regularly.

EN

6.3 Maintenance

WARNING!

Risk of burning!

The surface of the condenser gets very hot and is hot for some time after switching off.

Before cleaning, leave the appliance to cool down completely.

ATTENTION!

Bent condenser fins will prevent air flow, causing damage to the condenser.

Be very careful when cleaning the condenser.

- Carry out regular cleaning of the condenser, observing the following instructions:
 - loosen screws of the cooling compartment cover on the rear wall of the appliance;
 - remove the cover;
 - run a Hoover nozzle designed for upholstered furniture or a soft brush gently along the condenser fins;

Cleaning and Maintenance

- put the cover back on.
- Check that the appliance door closes properly.
- To ensure that the appliance remains functional for a long time, the following operations should be carried out regularly (twice a year) by a qualified personnel:
 - check the condition of the door seals;
 - check electrical cables at the connectors for loose connections;
 - check the operation of the electrical system. If the power cable is damaged, it must be replaced for safety reasons.
 - check the operation of the temperature controller and probes.

7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. When malfunction cannot be removed, contact the technical service.

In such a case, provide article number, model name and serial number. These data may be found in the rating plate.


Error	Possible Cause	Solution
Appliance does not work	Incorrectly connected plug	Remove the plug and insert it properly into a socket
	No power	Check mains plugs, sockets, fuses and mains supply
	No power supply	Check the electric power supply
	Appliance is not switched on	Switch the appliance on with the ON/OFF switch
Insufficient temperature	Direct sunlight or heat sources in immediate vicinity	Move the appliance away from heat sources
	Temperature controller parameter	Ensure that the temperature on the temperature controller is set to -20°C. Press the "SET" key to check
	Room temperature too high	The ambient temperature should not be higher than +38°C
	Incorrect placement of objects in the freezer counter	Ensure that objects in the appliance are positioned in such a way as not to close nor block the air outlets


Error	Possible Cause	Solution
Strange or loud noises	Poor levelling	Adjust unevenness with the feet by screwing or unscrewing them
	Door is not closed properly	Close the door tightly
	Contact between appliance and other objects	Maintain clearance between appliance and other objects

Alarms and prompts

In the case of the alarm, the proper prompt flashes on the digital display, interchangeably with the temperature value; also, the buzzer and the alarm replay (if available) may be activated.

All alarms go off automatically (i.e. alarm prompt is stopped, when the cause for the alarm is eliminated; only the 'CHt' alarm must be confirmed manually through

switching off and on again of the appliance with the use of  button or disconnection from the mains supply).

When pressed, the  button switches off the buzzer; but the displayed alarm code and the alarm relay are deactivated only when the cause of the alarm is eliminated. The available alarm codes are listed in Table 3 below.

EN

Alarm Code	Buzzer and Alarm Relay	LED	Description	RESET
E0	Active	ON	Sensor 1 error = regulation	Automatically
E1	Inactive	ON	Sensor 2 error = defrosting	Automatically
E2	Inactive	ON	Sensor 3 error = condenser / product	Automatically
IA	Active	ON	External alarm	Automatically
dOr	Active	ON	Open door alarm	Automatically
LO	Active	ON	Low temperature alarm	Automatically
HI	Active	ON	High temperature alarm	Automatically
EE	Inactive	ON	Appliance parameters error	Impossible

EF	Inactive	ON	Operation parameters error	Manually
Ed	Inactive	ON	Defrosting due to exceeded time limit	With the first, correctly completed defrosting
dF	Inactive	ON	Defrosting in progress	Automatically
cht	Inactive	ON	Initial alarm of the soiled condenser	Automatically
CHt	Active	ON	Alarm of the soiled condenser	Manually
EtC	Inactive	ON	Alarm of timers	Through the setting of a timer

Table 3

8 Disposal

Electrical Appliance



Electric appliances are marked with this symbol. Electrical appliances must be disposed of and recycled in a correct and environmentally friendly manner. You must not dispose of electric appliances with household waste. Disconnect the appliance from the power supply and remove power cord from the appliance.

Electrical appliances should be returned to designated collection points.

Coolant

The propellant used in the appliance is flammable. It should be utilised pursuant to national regulations in force.