



Instruction manual



Freezing counter GN-3D MFT 3DN

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1. DECLARATION OF CONFORMITY

Decree of the Ministry of Health of the Czech Republic no. 38/2001 Coll. of 19 January 2001 Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation of the European Parliament and Council Regulation (EC) no. 1935/2004 of 27 October 2004

The products meet the requirements of §26 of Act No.258/2000 as amended. The products meet the requirements of RoHS Directive 2015/863/EU, 10/2011, 517/2014, 2015/1094, 2015/1095.

Attention, the manufacturer gives up any responsibility in case of direct and indirect damage that is related to poor installation, incorrect intervention or adjustments, insufficient maintenance, incorrect use and which are eventually caused by other causes than the points referred to in the conditions of sale. This appliance is intended only for professional use and must be operated by qualified individuals. Parts that have been secured by the manufacturer or authorized worker after the setting rebuild.

2. TECHNICAL DATA

The label with technical data is located on the side or back panel of the device. Please read the wiring diagram and all the following information in the attached manual before installation.

Net Width [mm]	Net Depth [mm]	Net Height [mm]	Net Weight [kg]	Power electric [kW]	Loading
1795	900	900	117.00	0.260	230 V / 1N - 50 Hz

3. LOCATION ELECTRIC

For the correct operation and placement of the appliance, it is necessary to observe the following all prescribed standards for the given market. Unpack the device and check that the device has not been damaged during transport. Place the device on a horizontal surface (maximum unevenness up to 2°). Small unevenness can be leveled with adjustable feet. If the device will be placed in such a way that it will be in contact with the walls of the furniture, these must withstand a temperature of up to 60°C. Installation, adjustment, commissioning must be performed by a qualified person who is authorized to perform such operations, according to applicable standards. The device can be installed separately or in series with devices of our production. A minimum distance of 10 cm from flammable materials must be observed. In this case, it is necessary to secure the appropriate modifications to ensure the thermal insulation of the combustible parts. The appliance must only be installed on a non-flammable surface or against a non-flammable wall. **Parts of the appliance provided by the manufacturer. or his representative, the worker performing the installation may not rebuild the product.**

4. SAFETY MEASURES FOR FIRE PROTECTION

- the appliance may only be operated by adults
- the appliance may be used safely in accordance with applicable market standards:

Fire protection in spaces with special risk or danger

Protection against the effects of heat

- the appliance must be placed so that it stands or hangs firmly on a non-combustible surface

Objects of flammable substances must not be placed on the appliance at a distance less than a safe distance from it (the smallest distance between the appliance and flammable substances is 10 cm).

Table: degree of flammability of building materials included in st. flammability of substances and products

Degree of flammability	Building materials
A - non-flammable	granite, sandstone, concrete, brick, ceramic tiles, plaster
B - Not easily flammable	Acumin, Heraclitus, Lihnos, Itaver
C1 - highly flammable	wood, hardwood, plywood, hard paper, umakart
C2 - moderately flammable	chipboards, solodur, cork boards, rubber, flooring
C3 - Highly flammable	wood fiber boards, polystyrene, polyurethane, PVC

- information on the degree of flammability of common building materials is given in the table above. Appliances must be installed in a safe manner. During installation, the relevant design, safety and hygiene regulations must also be respected:
- fire safety of local appliances and heat sources
- fire protection in areas with special risk or danger
- protection against the effects of heat

5. INSTALLATION

Important: The manufacturer does not provide any warranty for defects arising as a result of incorrect use, failure to follow the instructions contained in the attached user manual and mishandling of appliances. Installation, modification and repair of appliances for large kitchens, as well as their dismantling due to possible damage to the gas supply, can only be carried out on the basis of a maintenance contract, this contract can be concluded with an authorized dealer, while technical regulations and standards and regulations must be observed regarding installation, electrical supply, gas connection and work safety. Technical instructions for installation and adjustment, for use by specialized technicians ONLY. The instructions that follow refer to a technician qualified for installation to carry out all operations in the most correct manner and according to the applicable standards. Any activity related to regulation etc. must only be performed with the device disconnected from the network. If it is necessary to keep the appliance under voltage, the utmost care must be taken. The type of appliance for extraction is declared on the nameplate, it is an A1 appliance.

6. CONNECTING THE ELECTRICAL CABLE TO THE NETWORK

Installation of the electrical supply - this supply must be separately secured. Ato with the corresponding circuit breaker of rated current depending on the power input of the installed device. Check the power consumption of the device on the production label on the back panel (or side) of the device. The connected ground wire must be longer than the other wires. Connect the device directly to the network, it is necessary to insert a switch between the device and the device with a minimum distance of 3 mm between the individual contacts, which corresponds to the applicable standards and load. The earth supply (yellow-green) must not be interrupted by this switch. Connect the device to the mains if the socket has adequate protection. In any case, the supply cable must be located so that it does not reach a temperature of 50 degrees higher than the environment at any point. Before the appliance is connected to the network, it is necessary to first make sure that:

- the supply circuit breaker and the internal distribution can withstand the current load of the appliance (see matrix label)
- the distribution board is equipped with effective grounding according to the standards of the relevant market and the conditions given by law
- the socket or switch in the supply is easily accessible from the appliance
- the electrical supply to the device must be made of oil-resistant material

We disclaim any responsibility in the event that these standards are not respected and in the event of a violation of the above principles. Before first use, you must clean the device, see chapter ""cleaning and maintenance"". The appliance must be grounded using a screw with a grounding mark.

- Do not insert the plug of the power supply into the electrical outlet. sockets and do not pull out the zel. sockets with wet hands and pulling on the power cord!
- Do not use extension cords or multiple sockets.
- **The mains connection point must have a maximum of the following impedance: $Z_{MAX} = 0.042 + j 0.026 \Omega$ for the phase conductors and $0.028 + j 0.017 \Omega$ for the neutral conductor.**

SAFETY

- Place on a flat and stable surface.

- Installation and any repairs are carried out only by a qualified service technician. Do not remove any components or service panels from this product.
- Familiarize yourself with local and national standards to comply with the following conditions: Occupational Health and Safety Legislation, BS EN Code of Conduct, Fire Prevention Measures, IEE Electrical Wiring Regulations, Building Codes.
- DO NOT use jet/pressure washers to clean the appliance.
- DO NOT use the appliance outdoors.
- DO NOT use this appliance to store medical supplies.
- DO NOT use electrical appliances (e.g. heaters, ice cream makers, etc.) inside the appliance.
- DO NOT step on or lean on the base, drawers, or doors.
- DO NOT allow oil or grease to come into contact with plastic components or door seals. If contact occurs, clean them immediately.
- Bottles that contain a high percentage of alcohol must be closed and placed in the refrigerator vertically.
- Always carry, store and handle the appliance in an upright position and move it by grasping the base.
- Always switch off and disconnect the power supply before cleaning the appliance.
- Keep all packaging out of the reach of children. Dispose of the packaging in accordance with local authority regulations.
- If the power cord is damaged, it must be replaced by a representative or a recommended qualified technician in order to avoid a hazard.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, who have been given supervision or use the instructions on the appliance and understand the hazards involved.
- Children should be supervised to ensure that they do not play with the appliance.
- The sound pressure level at the workstation is well below 70 dB.
- Maximum load of each type of shelf: 20 kg.

7. INSTALLATION

Note: If the appliance has not been stored or moved in an upright position, allow it to stand in an upright position

for approximately 12 hours before operating. When in doubt, let the device stand.

1. Remove the appliance from the packaging. Make sure that all protective plastic films and layers are thoroughly removed from all surfaces.

2. Keep a distance of 20 cm (7 inches) between the appliance and walls or other objects for ventilation purposes. If the

obstacle is a heat source, increase this distance. Note: Before using the appliance for the first time, clean the shelves

and interior with soapy water.

3. Adjust the brakes on the wheels so that the appliance stands still OR level the appliance by adjusting the screw feet.

Assembling the shelves

1. Place one set of shelf strips on each side of the cabinet at the desired height.

2. Slide the shelf into place.

3. Repeat for the remaining shelves.

Note: This is crucial to ensure proper condensate drainage.

Food Handling and Storage

To get the best results with your appliance, follow these instructions:

- Store food in the appliance only when it has reached the correct operating temperature.
- Do not put hot food or liquid in the appliance uncovered.
- If possible, wrap or cover food.
- Do not cover the fans inside the appliance.
- Avoid opening the door for long periods of time.

8. INSTRUCTIONS

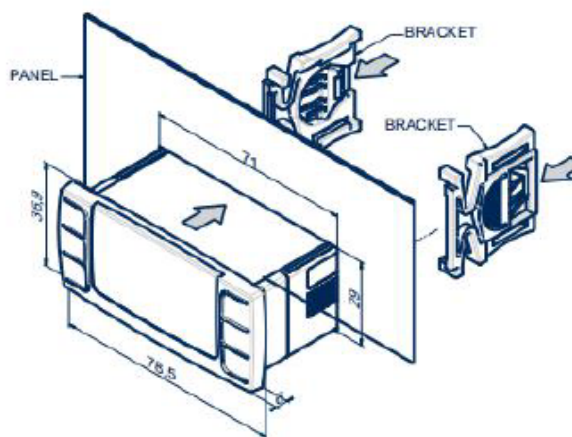
Power On

1. Close the appliance door.

2. Make sure the power switch is set to [O] and plug the appliance into an outlet.

3. Turn the power switch to the [I] position. The current temperature inside the appliance will be displayed.

Electronic control unit



Meaning of buttons

- SET** It displays the set temperature, in the setting mode it is used to select a parameter and confirm it.
- Start manual defrosting.
- Going through the parameters, increasing the set value.
- Going through the parameters, decreasing the set value.

Button combinations

- + Lock and unlock the display
- SET** + Entry into programming – only for an authorized technician
- SET** +

LED	CONDITION	DESCRIPTION
	LIGHTS UP	The compressor is in operation
	FLASHING	Compressor Delayed Start (AC Parameter)
	LIGHTS UP	Defrosting in progress
	FLASHING	Drip
	LIGHTS UP	The fan is in operation
	FLASHING	Fan delay after defrosting
	LIGHTS UP	Temperature display in °C
	FLASHING	You are in the temperature setting menu
	LIGHTS UP	Temperature display in °F
	FLASHING	You are in the temperature setting menu

How to display the set temperature

Press and immediately release the SET button – the set temperature will be displayed.

Press and release the SET button again and immediately, or wait about 5 seconds for the display to return to normal display.

How to change the set temperature

Press the SET button for more than 3 seconds – you will switch to changing the set temperature.

The set temperature value will be displayed and the °C or °F LED will start flashing.

Use the ▲ or ▼ buttons within 10 seconds to change the value.

To save the new value, press SET again, or wait 10 seconds.

How to start manual defrosting

Press the DEF button  for more than 2 seconds – manual defrosting will start.

Lock the keypad

Hold down the ▲ and ▼ buttons at the same time for more than 3 seconds.

The display will show the message OF and the keypad will be locked. If any button is pressed for more than 3 seconds, the OF message is displayed.

Unlocking the keyboard

Hold down the ▲ and ▼ buttons simultaneously for more than 3 seconds until the ON message is displayed.

Manual defrosting

The appliance will automatically perform a defrost cycle every six hours.

Note: The cycle starts from the moment the appliance is first switched on.

Manual defrosting of the appliance

Press and hold the DEFROST button for 5 seconds. The defrost cycle starts immediately and the defrost LED lights up.

Defrosting can take a maximum of 30 minutes.

Note: Starting manual defrosting also resets the auto-defrost timer. The next automatic defrosting will begin 6 hours after the manual defrosting ends.

Cleaning, care and maintenance

Switch off and unplug the appliance before cleaning.

Clean the inside of the appliance as often as possible.

Do not use abrasive (harsh) cleaners, as they may leave harmful residues.

Clean the door seal with water only.

Always dry everything thoroughly after cleaning.

Do not allow water to flow through the drain hole into the evaporation tray during cleaning.

Be careful when cleaning the back of the appliance – sharp edges can cause injury.

Repairs must only be carried out by a service technician or a qualified person.

Capacitor cleaning

Regular cleaning of the condenser can extend the life of the appliance.

We recommend that the condenser be cleaned by a service technician or a qualified person.

Troubleshooting

If a fault appears on the appliance, check the following table first before contacting the dealer.

Fault	Probable cause	Solution
The appliance does not work	The appliance is not switched on	Check that the appliance is plugged in and switched on correctly
	The plug or power cord is damaged	Contact a service or qualified technician
	Blown fuse in the plug	Replace the fuse
	Power problem	Check the electricity supply
	Internal wiring failure	Contact a service or qualified technician
The appliance switches on, but the temperature is too high/low	Too much ice on the evaporator	Defrost the appliance
	The capacitor is clogged with dust	Contact a service or qualified technician
	The door is not closed properly	Check that the door is closed and the seal is not damaged
	The appliance is located close to a heat source or the air supply to the condenser is restricted	Move the appliance to a more suitable location
	Ambient temperature too high	Improve ventilation or move the appliance to a cooler location
	Unsuitable food is stored in the appliance	Remove food that is too warm or obstructing the fan
	The appliance is overcrowded	Reduce the amount of stored food

Water leaks from the appliance	The appliance is not properly aligned	Adjust the appliance's leveling feet (if applicable)
	The water drain is clogged	Clean the drain hole
	The drainage of water into the sewer system is blocked	Clean the bottom of the appliance (if possible)
	The water container is damaged	Contact a service or qualified technician
	Drip tray overflowing	Empty the drip tray (if included)
The appliance is unusually noisy	Loose nut or bolt	Check and tighten all nuts and bolts
	The appliance is not installed on a flat and stable surface	Check the location and adjust it if necessary

Model	Dimensions mm	Weight kg	Voltage V / Hz	Power input kW	Internal dimension L	Temperature °C	Gas
MNT 3DN	1795x700x900	114	230 / 50-60	0,147	309	-2 to +8	R290
MNT 2DN	1360x700x900	93	230 / 50-60	0,147	206	-2 to +8	R290
MFT 2DN	1360x700x900	97	230 / 50-60	0,208	206	-10 to -20	R290
MFT 3DN	1795x700x900	117	230 / 50-60	0,208	309	-10 to -20	R290

Electrical circuits

The appliance is supplied as standard with a BS1363 3-pin crimped plug and a power cord, with a 13 A fuse. The appliances are wired as follows:

- Live wire (brown) to the terminal marked L
- Neutral wire (blue) to the terminal marked N
- Ground wire (green-yellow) to the terminal marked E All appliances must be earthed using a specialized earthing circuit. If in doubt, consult a qualified electrician.

Electrical isolation points must be maintained free of any obstruction. If an emergency disconnect is required, it must be easily accessible.

Disposal

EU regulations require the disposal of the refrigeration product by specialist companies that remove or recycle all gases, metal and plastic components.

Consult your local waste collection authority for information on the disposal of your appliance. Local authorities are not required to handle commercial refrigeration equipment, but may be able to provide advice on how to dispose of this equipment locally.

Regulatory Compliance

The components have undergone rigorous product testing to meet regulatory standards and specifications set by international, independent, and government authorities. The products have been approved for labeling with the following symbol.

Warning

This refrigerator uses R290 refrigerant



WARNING:

Keep the ventilation openings in the appliance enclosure or in the built-in structure clear, free of obstructions.

Do not use mechanical devices or other means to speed up the defrosting process other than those recommended by the manufacturer.

Do not damage the refrigerant circuit.

Do not use electrical appliances inside food storage compartments unless they are of the type recommended by the manufacturer.

IN CASE OF DAMAGE TO THE POWER CORD, IT MUST BE REPLACED BY THE MANUFACTURER, AN AUTHORIZED SERVICE AGENT OR A QUALIFIED TECHNICIAN IN ORDER TO AVOID ANY HAZARD.

REPAIR AND REPLACEMENT OF THE LIGHT SOURCE MUST ONLY BE CARRIED OUT BY A QUALIFIED TECHNICIAN AND

ONLY WHEN THE POWER SUPPLY IS DISCONNECTED. REPLACE WITH THE SAME TYPE OF LIGHT SOURCE.

EXTRAORDINARY SERVICE INTERVENTIONS MUST ONLY BE CARRIED OUT BY QUALIFIED TECHNICIANS.

9. CLEANING AND MAINTENANCE

It is recommended to have the device checked with a specialist service at least once a year. All the interventions in the device can only be carried out by a qualified person who has the authorization to do so.

CAUTION! The device must not be cleaned with direct or pressure water. Clean the equipment daily. Daily maintenance extends the life and efficiency of the equipment. Always turn off the main inlet to the device. Wash the stainless steel parts with a damp cloth with a detergent without coarse particles and wipe dry. Do not use abrasive or corrosive cleaning agents. Attention! Before using the device, it is necessary to remove the protective foil from the entire surface, and then wash it well with water with detergent, and then wipe it with a damp cloth. **ALERT!** The warranty does not apply to all consumables subject to normal wear (rubber seals, bulbs, glass and plastic parts, etc.). The warranty also does not apply to the device if the installation is not carried out in accordance with the instructions - an authorized worker according to the corresponding standards and if the equipment was unprofessionally manipulated (interventions in the internal equipment, etc.) or were operated by unhappy staff and contrary to the instructions for use, further The warranty does not apply to damage by natural effects or other external intervention. **Required service organization 2 times a year. After the lifetime, the shipping packaging and equipment are submitted to the collection, according to the regulations on waste management and hazardous waste.**