# Instruction manual



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## Freezing cabinet 900 l pastry version EN 60x80 stainless steel 230 V / 1N

## ENFP 900

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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 relate to poor installation, incorrect intervention or adjustments, insufficient maintenance, incorrect by using and which are eventually caused by other causes that the points referred to in the conditions sales. This appliance is intended only for professional use and must be operated by qualified by persons. 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 |
|---|---|---|---|---|---|
| 803 | 2090 | 2090 | 149.00 | 0.526 | 230 V / 1N - 50 Hz |

| Annual energy consumption [kWh] | Climate class | Gross depth [mm] | Gross Height [mm] | Insulation thickness [mm] | Max ambient temperature [°C] |
|---|---|---|---|---|---|
| 3866 | 5 | 1065 | 2170 | 90 | 40 |

| Maximum device temperature [°C] | Minimum device temperature [°C] | Number of cavities | Number of doors | Number of GN / EN | Gross Volume [m3] |
|---|---|---|---|---|---|
| -10 | -24 | 1 | 1 | 24 | 1.994 |

| Net Volume [m3] | Gross Weight [kg] | Gross Width [mm] |
|---|---|---|
| 1.710 | 164.00 | 863 |

## 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: ZMAX = 0.042 + j 0.026 Ω for the phase conductors and 0.028 + j 0.017 Ω for the neutral conductor.**

| Model | mm | kg | V / Hz | kW | Internal dimensions L / GN | °C |
|---|---|---|---|---|---|---|
| ENF 700 | 733 x 847 x 2090 | 118 | 230 / 50-60 | 0.526 | 458 / 3x GN 2/1 | -24 to -10 |
| ENF 700 L | 733 x 847 x 2090 | 118 | 230 / 50-60 | 0.526 | 458 / 3x GN 2/1 | -24 to -10 |
| ENF 700 S | 733 x 847 x 2090 | 118 | 230 / 50-60 | 0.526 | 458 / 3x GN 2/1 | -24 to -10 |
| ENF 700 G | 733 x 867 x 2090 | 134 | 230 / 50-60 | 0.526 | 458 / 3x GN 2/1 | -24 to -10 |
| ENF 700 G S | 733 x 867 x 2090 | 134 | 230 / 50-60 | 0.526 | 458 / 3x GN 2/1 | -24 to -10 |
| ENF 1400 | 1466 x 847 x 2090 | 192 | 230 / 50-60 | 0.526 | 916 / 6x GN 2/1 | -24 to -10 |
| ENF 1400 L | 1466 x 847 x 2090 | 192 | 230 / 50-60 | 0.526 | 916 / 6x GN 2/1 | -24 to -10 |
| ENF 1400 S | 1466 x 847 x 2090 | 192 | 230 / 50-60 | 0.526 | 916 / 6x GN 2/1 | -24 to -10 |
| ENF 1400 G | 1466 x 867 x 2090 | 223 | 230 / 50-60 | 0.526 | 916 / 6x GN 2/1 | -24 to -10 |
| ENF 1400 G S | 1466 x 867 x 2090 | 223 | 230 / 50-60 | 0.526 | 916 / 6x GN 2/1 | -24 to -10 |
| ENR 700 | 733 x 847 x 2090 | 118 | 230 / 50-60 | 0.130 | 458 / 3x GN 2/1 | -2 to +7 |
| ENR 700 L | 733 x 847 x 2090 | 118 | 230 / 50-60 | 0.130 | 458 / 3x GN 2/1 | -2 to +7 |
| ENR 700 S | 733 x 847 x 2090 | 118 | 230 / 50-60 | 0.130 | 458 / 3x GN 2/1 | -2 to +7 |
| ENR 700 G | 733 x 867 x 2090 | 134 | 230 / 50-60 | 0.130 | 458 / 3x GN 2/1 | -2 to +7 |
| ENR 700 G S | 733 x 867 x 2090 | 134 | 230 / 50-60 | 0.130 | 458 / 3x GN 2/1 | -2 to +7 |
| ENR 1400 | 1466 x 847 x 2090 | 192 | 230 / 50-60 | 0.175 | 916 / 6x GN 2/1 | -2 to +7 |
| ENR 1400 L | 1466 x 847 x 2090 | 192 | 230 / 50-60 | 0.175 | 916 / 6x GN 2/1 | -2 to +7 |
| ENR 1400 S | 1466 x 847 x 2090 | 192 | 230 / 50-60 | 0.175 | 916 / 6x GN 2/1 | -2 to +7 |
| ENR 1400 G | 1466 x 867 x 2090 | 223 | 230 / 50-60 | 0.175 | 916 / 6x GN 2/1 | -2 to +7 |
| ENR 1400 G S | 1466 x 867 x 2090 | 223 | 230 / 50-60 | 0.175 | 916 / 6x GN 2/1 | -2 to +7 |
| ENFZ 700 | 733 x 847 x 2090 | 131 | 230 / 50-60 | 0.526 | 458 / max. 24x GN 2/1 | -24 to -10 |
| ENFZ 700 L | 733 x 847 x 2090 | 131 | 230 / 50-60 | 0.526 | 458 / max. 24x GN 2/1 | -24 to -10 |
| ENFZ 700 S | 733 x 847 x 2090 | 131 | 230 / 50-60 | 0.526 | 458 / max. 24x GN 2/1 | -24 to -10 |
| ENFZ 900 | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.526 | 638 / max. 24x GN 2/1 | -24 to -10 |
| ENFZ 900 L | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.526 | 638 / max. 24x GN 2/1 | -24 to -10 |
| ENFZ 900 S | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.526 | 638 / max. 24x GN 2/1 | -24 to -10 |
| ENRP 700 | 733 x 847 x 2090 | 127 | 230 / 50-60 | 0.130 | 458 / 20 runners | -2 to +7 |
| ENRP 700 L | 733 x 847 x 2090 | 127 | 230 / 50-60 | 0.130 | 458 / 20 runners | -2 to +7 |
| ENRP 700 S | 733 x 847 x 2090 | 127 | 230 / 50-60 | 0.130 | 458 / 20 runners | -2 to +7 |
| ENRP 900 | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.175 | 638 / 20 runners | -2 to +7 |
| ENRP 900 L | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.175 | 638 / 20 runners | -2 to +7 |
| ENRP 900 S | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.175 | 638 / 20 runners | -2 to +7 |
| ENFP 700 | 733 x 847 x 2090 | 127 | 230 / 50-60 | 0.526 | 458 / 20 runners | -24 to -10 |
| ENFP 700 L | 733 x 847 x 2090 | 127 | 230 / 50-60 | 0.526 | 458 / 20 runners | -24 to -10 |
| ENFP 700 S | 733 x 847 x 2090 | 127 | 230 / 50-60 | 0.526 | 458 / 20 runners | -24 to -10 |
| ENFP 900 | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.526 | 638 / 20 runners | -24 to -10 |

| | | | | | | |
|---|---|---|---|---|---|---|
| ENFP 900 L | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.526 | 638 / 20 runners | -24 to -10 |
| ENFP 900 S | 803 x 1019 x 2090 | 128 | 230 / 50-60 | 0.526 | 638 / 20 runners | -24 to -10 |

Connecting the power cable to the mains:

Before connecting the appliance to the electrical installation, it is necessary to check whether the new or repaired electrical installation has been properly connected by its manufacturer and whether an inspection report on the safe operation of the electrical distribution system has been prepared. Without fulfilling this condition, we do not recommend connecting the appliance to the electrical network!

Installation of electrical connection – The power cable to the appliance must be separately secured with a circuit breaker of the appropriate rated current, depending on the power consumption and type of appliance installed. The recommended circuit breaker value for the type of appliance is listed in the table of values. Check the power consumption of the device on the manufacturer's label on the back of the device.

Connect the appliance directly to the mains; it is necessary to insert a mains isolator between the appliance and the mains with a minimum distance of 3 mm between the individual contacts, which complies with applicable standards and loads. The earthed cable (yellow-green) must not be interrupted by this connector.

The supply cable must be positioned so that it does not exceed a temperature of 50°C above the ambient temperature at any point.

It must be routed in such a way that it cannot be mechanically damaged during normal operation and maintenance, and it must be sufficiently long to allow the appliance to be handled in the event of servicing.

Before connecting the appliance to the mains, check that:

- The main circuit breaker and internal wiring can handle the load of the appliances (see the matrix label)
- The distribution system is equipped with effective earthing in accordance with standards (ČSN) and conditions stipulated by law
- The socket or switch in the power supply is easily accessible from the appliance

We recommend using flexible cables in the H07RN-F unless otherwise specified in the installation instructions (THESE are the installation instructions!!), or a cable approved by ČSN for the type of appliance, taking into account its location and nature of operation. The earth conductor (yellow-green) must be longer than the other conductors and must not be connected to a switch or otherwise interrupted. Cables must be freely positioned and must not interfere with normal operation; they must be sufficiently far from the work area and long enough to allow the appliance to be moved for cleaning and servicing. The cable must not come into contact with flammable materials such as carpets, tablecloths, etc., must not be exposed to sharp objects and must not be subjected to mechanical stress.

The earth conductor "PE" must be connected to all electrical appliances that have screws or terminals marked "PE". It is recommended to connect a separate protective conductor "PE" for each device.

The recommended size of the power cable for each type of appliance is listed in the table of values.

Fixed appliances and appliances equipped with an earth terminal or clamp must be connected to a protective earth conductor. We recommend connecting a separate circuit breaker to the circuit of each appliance.

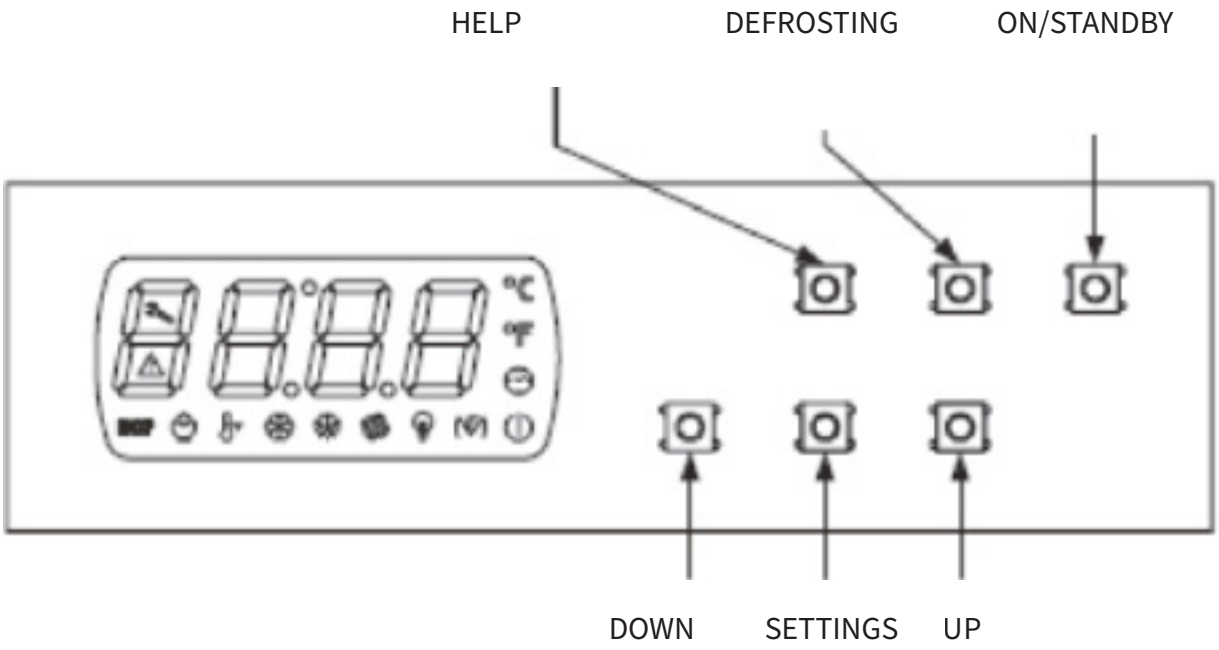
After connecting the appliance to the mains, an inspection must be carried out and an inspection report on the safe operation of the appliance must be drawn up.

WE DISCLAIM ANY RESPONSIBILITY IN THE EVENT THAT THESE RULES, RECOMMENDATIONS AND RELEVANT APPLICABLE STANDARDS ARE NOT RESPECTED

## 7. INSTRUCTIONS FOR USE

introductory signals

The user interface consists of  of its own 4-digit display (with decimal point and function icons) and six buttons (SET, UP, DOWN, DEFROST, AUXILIARY and ON/STAND-BY).




Operating conditions:

• Status "on" (the machine is powered up and switched on: the controllers can be switched on)

• Standby mode (the machine is powered up but switched off by software: the controllers are switched off)

• "off" state (device is not powered)

The term "started"  refers to the transition from standby mode to on mode; the term "stopped" refers to the transition from on mode to standby mode.

After being switched on again, the device will display the status it was in before it was disconnected.

Manual switching on/off of the device

• Ensure that the keyboard is not locked and that no other processes are running

• Press and hold the ON/STAND-BY button for 2 seconds: the "on/stand-by" LED will turn off/on.

Models EVX204, EVX214, EVX205 and EVX215:

With the help of a multifunctional input, it is possible to switch the device on/off remotely.

Display

When the appliance is switched on during normal operation, the display shows the temperature of the cell, except during defrosting, when the appliance displays the temperature set by parameter d6. When the appliance is switched off, the display turns off.

Display of evaporator temperature (except EVX201)

• Ensure that the keyboard is not locked and that no other processes are running

• Press and hold the DOWN button for 1 second: the first available number will appear on the display

• Use the UP or DOWN buttons to select "Pb2".

• Press and release the SET button

Process completed:

• Press and release the SET button and wait for 60 seconds without doing anything

• Use the UP and DOWN buttons to display the cell temperature on the display, then wait for 60 seconds without doing anything

In any case:

• Use the ON/STANDBY button

If the evaporator probe is missing (parameter P3 = 0), the "Pb2" counter is not displayed.

Condenser temperature display (only for models EVX204, EVX214, EVX205 and EVX215)

• Ensure that the keyboard is not locked and that no other processes are running

• Press and hold the DOWN button for 1 second: the first available number will appear on the display

• Use the UP or DOWN buttons to select "Pb3".

• Press and release the SET button

Process completed:

• Press and release the SET button and wait for 60 seconds without doing anything

• Use the UP and DOWN buttons to display the cell temperature on the display, then wait for 60 seconds without performing any other actions

In any case:

• Use the ON/STANDBY button

If the condenser probe is faulty (parameter P4 = 0), the "Pb3" indicator will not be displayed.

Activation/deactivation of the overcooling function

• Ensure that the keyboard is not locked and that no other process is running that prevents defrosting and/or draining.  other processes running, that defrosting and/or draining is not in progress, and that the evaporator fan is switched off (the last two except for EVX201)

• Press and hold the UP button for 4 seconds: the undercooling LED will light up.

During the supercooling function, the required operating value is reduced by the temperature specified by parameter r5. The process lasts for the period specified by parameter r6. Defrosting is never activated during supercooling. After the defrost interval has elapsed, if the function is in progress, defrosting will be activated at the end of the function.

Manual activation of defrosting

• Ensure that the keyboard is not locked and that no other processes are running; ensure that the over-cooling function is not running.

• Press and hold the DEFROSTING button for 4 seconds

(DEFROSTING) Models EVX203, EVX204, EVX214, EVX205 and EVX215:

If the function of the evaporator probe is identical to the function of the defrost probe (parameter P3 = 1) and after defrosting is activated, the evaporator temperature is higher than the temperature set by parameter d2, the defrosting function is not activated.

Operation for low and high relative humidity percentages (except EVX201 and provided that parameter F0 is set to 5)

During operation, for a low percentage of relative humidity, the evaporator fan will be switched on when the compressor is switched off (parameter F4 determines the time period).  humidity, the evaporator fan will be switched on when the compressor is switched off (parameter F4 determines the duration of the switch-off, while parameter F5 determines the duration of the switch-on).

During operation, the evaporator fan is always switched on when the relative humidity is high.

In both cases, parameter F1 has an effect.

Manual activation of operation for low and high relative humidity percentages (except for EVX201 and provided that parameter F0 is set to 5)

• Ensure that the keyboard is not locked and that no other processes are running

• Press the AUXILIARY button for 4 seconds: "rhL" will appear on the display for 10 seconds  (operation for low relative humidity) or "rhH" (operation for high relative humidity) will appear on the display for 10 seconds

Restoring normal display before completing the process:

• Press the button.

Operation can be activated for low or high relative humidity percentages using parameter F6.

If parameter F0 is not set to 5, press the AUXILIARY button to display "- - - -" on the display for 1 second.

Display of the type of current operation (for low and high relative humidity percentages, except for EVX201 and

assuming that parameter F0 is set to 5)

• Ensure that no other processes are running

• Press and release the AUXILIARY button: the display will show "rhL" (operation for low relative humidity) or "rhH" (operation for high relative humidity) will appear on the display for 10 seconds

Restoring normal display before completing the process:

• Press the button.

If parameter F0 is not set to 5, press the AUXILIARY button:

• Display "- - - -" on the screen for 1 second if the keypad is not locked.

• Display the "Loc" indicator for 1 second if the keyboard is locked.

energy saving (except for the EVX201 model)

During the "energy saving" function, the required operating value is increased by the temperature you set using parameter r4, and the evaporator fan is switched on cyclically provided that parameter F0 is set to 1 or 2 (parameter F13 sets the time during which the fan is switched off, and parameter F14 sets the time during which the fan is switched on).

After the period set by parameter i10 has elapsed (without activating the digital input of the door switch and provided that the temperature in the display case has reached the required operating temperature), the "energy saving" function is automatically activated (as long as the input is activated).

Activation/deactivation of the "energy saving" function with effect only on the compressor (EVX204, EVX214, EVX205 and EVX215)

The multi-purpose input can be used to activate/deactivate the "energy saving" function remotely.

The "energy saving" function can also be activated in real time for the period you have set with the HE1 parameter. In this case, you can set the duration of the function using the HE2 parameter.

Locked/unlocked keypad

Locked keyboard:

• Ensure that no other processes are running

• Press the DOWN and ON/STAND-BY buttons for 1 second: "Loc" will appear on the display for 1 second.

When the keyboard is locked, the following actions are prohibited:

• Manual switching on/off of the device

• Displayed evaporator temperature

• Displayed condenser temperature

• Activation/deactivation of the overcooling function

• Manual defrost activation

• Activation of operation for low or high relative humidity percentages and learned process type

• See information regarding HACCP alarms

• Cancellation of the HACCP alarm list

• Change of date and time

• change in required operating value

• Display of compressor operating hours

• Cancellation of compressor operating hours

These processes cause the "Loc" indicator to be displayed for 1 second.

Unlocked keyboard:

• Press the DOWN and ON/STAND-BY buttons for 1 second: "UnL" will appear on the display for 1 second.

Silencing the buzzer

• Ensure that no other processes are running

• Press the button (the first press of the button has no effect related to the button)

Models EVX204, EVX214, EVX205 and EVX215:

If parameter u1 and/or parameter u11 is set to 3 and parameter u4 is set to 1, pressing the button will also deactivate the alarm output.

If the u9 parameter is set to 0, the buzzer will not be activated.

SETTINGS

Setting the date and current time (EVX214 and EVX215 models only)

• Ensure that the keyboard is not locked and that no other processes are running
• Press and hold the DOWN button for 1 second: the first available digit will appear on the display
• Use the UP or DOWN button to select "rtc". Change the year:
• Press and release the SET button: "yy" and two digits of the year will appear on the display, then the clock LED will flash
• Press and release the UP or DOWN button within 15 seconds

Change of month:
• Press and release the SET button when changing the year: "nn" and the two digits of the month will appear on the display
• Press and release the UP or DOWN button within 15 seconds

Change of day in the month:

• Press and release the SET button to change the month: "dd" and the two digits of the day will appear on the display
• Press and release the UP or DOWN button within 15 seconds

Time change:

• Press and release the SET button when changing the day of the month: "hh" and two digits of the hour will appear on the display
• Press and release the UP or DOWN button within 15 seconds
The time is displayed in 24-hour format.

Change of minutes:
• Press and release the SET button when changing the time: "nn" and two digits for the minutes will appear on the display
• Press and release the UP or DOWN button within 15 seconds
• Press and release the SET button or wait for 15 seconds without doing anything: the clock LED will turn off.
Process completed:
• Use the UP and DOWN buttons to display the cell temperature on the display, then wait for 60 seconds without performing any other actions
In any case:
• Press and release the ON/STAND-BY button

Set the required operating values

• Ensure that the keyboard is not locked and that no other processes are running
• Press and release the SET button: the compressor LED will flash.

• Within 15 seconds, press and release the UP or DOWN button. See also parameters r1, r2 and r3
• Press and release the SET button or wait for 15 seconds without doing anything: the compressor LED will turn off and the appliance will complete the process.

Process terminated before completion of operation:

• Leave idle for 15 seconds (all changes will be saved). The desired operating value can also be set.
through the SP parameter.
Parameter selection:

• Press and release the UP or DOWN button. Change parameter:
• Press and release the SET button
• Press and release the UP or DOWN button within 15 seconds
• Press and release the SET button or wait for 15 seconds without doing anything. End of process:
• Press and hold the UP and DOWN buttons for 4 seconds and wait for 60 seconds without doing anything (all changes will be saved)
After changing the parameters, disconnect the device from the power supply.

Factory settings reset

Commencement of proceedings:

• Ensure that no other processes are running
• Press and hold the UP and DOWN buttons for 4 seconds: "PA" will appear on the display.
• Press and release the SET button
• Within 15 seconds, press and release the UP or DOWN button to set "149".
• Press and release the SET button or wait for 15 seconds without doing anything
• Press and hold the UP and DOWN buttons for 4 seconds: "dEF" will appear on the display.
• Press and release the SET button
• Within 15 seconds, press and release the UP or DOWN button to set "1".
• Press and release the SET button or wait for a period of inactivity
15 seconds: "dEF" will flash on the display for 4 seconds, and then the device will complete the process
• Disconnect the device from the power supply

Process terminated before completion of operation:
• During the process, press and hold the UP and DOWN buttons for 4 seconds (i.e. before setting "1": the settings will not be saved).
Ensure that the factory settings are appropriate.

HACCP FUNCTIONS

introductory remarks
Models EVX201, EVX203, EVX204, EVX205 and EVX215:

The device can store up to 3 HACCP alarms. The device provides the following information:
• critical values
• Alarm duration (from 1 minute to 99 hours and 59 minutes, partially during the alarm).

| KÓD | ALARM TYPE (CRITICAL VALUE) |
|---|---|
| AL | minimum temperature alarm (minimum cell temperature during this type of alarm) |
| AH | maximum temperature alarm (maximum cell temperature during this type of alarm) |
| id | door micro switch alarm input (maximum cell temperature during this type of alarm); see also parameter i4 |

Important notice:

• codes are displayed in the order listed in the table
• The device stores alarms for minimum and maximum temperatures, provided that the temperature associated with the alarm is the temperature cells (parameter A0 = 0)
• The device updates the alarm information provided that the critical value of the new alarm is more critical.
than the value of the stored alarm, or assuming that the information has already been displayed
• If the device is switched off, no alarms will be stored.
Once the problem causing the alarm has been resolved, the display will return to normal operation.

The HACCP LED indicator provides information about the status of the HACCP alarm.
EVX214 and EVX215 models:

The machine can store up to 9 HACCP alarms, with the most recent alarm replacing the oldest one.

The device provides the following information:
• critical value
• Date and time of alarm signalling
• Alarm duration (from 1 minute to 99 hours and 59 minutes, partially during the alarm).

| CODE | ALARM TYPE (CRITICAL VALUE) |
|---|---|
| AL | minimum temperature alarm (minimum cell temperature during alarm) |
| AH | maximum temperature alarm (maximum cell temperature during alarm) |
| id | door micro switch alarm input (maximum cell temperature during alarm), see also parameter i4 |
| PF | alarm interrupted by power supply (cell temperature when the device is restored), see also parameters A10 and A12 |

Notes:

• The device stores alarms for minimum and maximum temperatures, provided that the temperature associated with the alarm is the temperature
cells (parameter A0 = 0)
• To prevent repeated alarm storage due to power interruptions, disconnect the power supply when the device is turned off
• If the alarm duration is interrupted long enough to cause a clock error (code "rtc"), the device
does not provide information about the duration of the alarm
• If the device is switched off, no alarms will be stored.

Once the problem causing the alarm has been resolved, the display will return to normal operation, with

the exception of the power interruption alarm (code "PF"), which requires manual restoration of the normal display.

Manual restoration of normal display:

• Press the button.

If parameter u1 and/or parameter u11 is set to 3, pressing the button will also deactivate the alarm output.
The LED diode HACCP function provides information about the status of stored alarms.

Displayed information about the HACCP alarm

Models EVX201, EVX203, EVX204, EVX205 and EVX215:

Commencement of proceedings:

• Ensure that the keyboard is not locked and that no other processes are running
• Press and hold the DOWN button for 1 second: the first available number will appear on the display
• Use the UP or DOWN button to select "LS".
• Press and release the SET button: one of the codes listed in the table in section 6.1 will appear on the display.

Alarm selection:

• Press and release the UP or DOWN button (to select, for example, "AH")

Displayed alarm information:

• Press and release the SET button: the HACCP LED will stop flashing and remain lit, and the following information will appear on the display information (for example):

| INFO | MEANING |
|---|---|
| 8.0 | the critical value is 8°C / 8°F |
| major | the display shows the duration of the alarm |
| h01 | the alarm has been turned off for 1 hour (data continues...) |
| n15 | the alarm lasted 1 hour and 15 minutes |
| AH | the alarm was selected |

The display shows each message for 1 second. End of information sequence:
• Press and release the ON/STAND-BY button: the selected alarm (e.g. "AH") will appear on the display

Process completed:
• terminated sequence of information
• Use the UP and DOWN buttons to display the cell temperature on the display, then wait for 60 seconds without performing any other actions

In any case:

• End the sequence of information

• Press and release the ON/STAND-BY button

If the device does not have any alarms stored, the "LS" indicator will not be displayed.

EVX214 and EVX215 models:

Commencement of proceedings:

• Ensure that the keyboard is not locked and that no other processes are running

• Press and hold the DOWN button for 1 second: the first available number will appear on the display

• Use the UP or DOWN button to select "LS".

• Press and release the SET button: the display will show the last alarm code (or one of the codes listed in the table in section 6.1) and then "1"; the number following the alarm code indicates how old the alarm is.

Alarm selection:

• Use the UP and DOWN buttons to make your selection (e.g. "AH3").

Displayed information about the alarm:

• Press and release the SET button: the HACCP LED will stop flashing and remain lit, and the following information will appear on the display (for example):

| INFO | MEANING |
|---|---|
| 8.0 | the critical value is 8°C / 8°F |
| StA | the display shows the date and time of the alarm signal |
| y09 | the alarm was raised in 2009 (data continues...) |
| n03 | the alarm was raised in 2009 (data continues...) |
| d26 | the alarm was signalled on 26 March 2009 |
| h16 | the alarm was signalled at 16:00 (more data to follow) |
| n30 | the alarm was signalled at 16:30 |
| major | the display shows the duration of the alarm |
| h01 | the alarm lasted 1 hour (more data to follow) |
| n15 | the alarm lasted 1 hour and 15 minutes |
| AH3 | the alarm was selected |

The display shows each message for 1 second. End of information sequence:

• Press and release the ON/STAND-BY button: the selected alarm (e.g. "AH3") will appear on the display

Process completed:

• End the sequence of information

• Use the UP and DOWN buttons to display the cell temperature on the display or wait for 60 seconds without pressing any buttons

In any case:

• End the sequence of information

• Press and release the ON/STAND-BY button

If the device does not have any alarms stored, the "LS" indicator will not be displayed.

Deletion of the HACCP alarm list

• Ensure that the keyboard is not locked and that no other processes are running
• Press and hold the DOWN button for 1 second: the first available number will appear on the display
• Use the UP or DOWN buttons to select "rLS".
• Press and release the SET button
• Within 15 seconds, press and release the UP or DOWN button to set "149".
• Press and release the SET button or wait for a period of inactivity
15 seconds: "- - - -" flashes on the display for 4 seconds and the HACCP LED goes out, then the appliance ends the process
If the device does not have any alarms stored, the "rLS" counter will not be displayed.

NUMBER OF COMPRESSOR OPERATING HOURS (except EVX201)

introductory remarks

The device can store up to 9,999 hours of compressor operation, after which "9999" will start flashing.

Display of compressor operating hours

• Ensure that the keyboard is not locked and that no other processes are running
• Press and hold the DOWN button for 1 second: the first available number will appear on the display
• Use the UP or DOWN button to select "CH".
• Press and release the button

SET Process completed:

• Press and release the SET button or wait for 60 seconds without doing anything
• Use the UP and DOWN buttons to display the cell temperature on the display or wait for 60 seconds without pressing any buttons

In any case:
• Press and release the ON/STAND-BY button
Cancellation of compressor operating hours
• Ensure that the keyboard is not locked and that no other processes are running
• Press and hold the DOWN button for 1 second: the first available number will appear on the display
• Use the UP or DOWN button to select "rCH".
• Press and release the SET button
• Within 15 seconds, press and release the UP or DOWN button to set "149".
• Press and release the SET button or wait for 15 seconds without doing anything: "- - - -" will flash on the display for 4 seconds, and then the device will terminate the process

| LED | MEANING |
|---|---|

| | |
|---|---|
|  | Compressor LED indicator light<br>If the LED is lit, the compressor is switched on.<br>If the LED flashes:<br>• The required operating value is in the process of being changed<br>• Compressor protection in progress<br>- parameters C0, C1, C2<br>- parameter i7 (EVX204, EVX214, EVX205 and EVX215 only) |

| **LED** | **MEANING** |
|---|---|
|  | LED diode<br>defrosting<br>If you are:<br>• Defrosting is in progress<br>if flashing:<br>• Preliminary draining is underway:<br>- parameter d16 (except EVX201)<br>• Defrosting required, but compressor protection is active:<br>- parameters C0, C1 and C2 (except EVX201)<br>• Dripping process:<br>- parameter d7 (except EVX201) cooling fluid heating: |
|  | lED fan light in the evaporator<br>If lit, the evaporator fan is switched on (except for EVX201). If flashing, the evaporator fan is deactivated. |
|  | LED light cell<br>If it flashes, the cell light has been switched on for a long time.<br>- parameter i0 (only EVX204, EVX214, EVX205 and EVX215, and provided that parameter u1 and/or parameter u11 is set to 0) |
|  | Multifunction LED diode<br><br>If you are:<br>• Door resistors will be switched on (only for models EVX204, EVX214, EVX205 and EVX215, and provided that parameter u1 and/or u11 is set to 4)<br>• The evaporator valve will be switched on (only for models EVX204, EVX214, EVX205 and EVX215, and provided that parameter u1 and/or u11 is set to 5)<br>• The condenser fan will be switched on (only for models EVX204, EVX214, EVX205 and EVX215, and provided that parameter u1 and/or u11 is set to 6)<br><br>If it flashes:<br>• The auxiliary output was switched on remotely:<br>- parameter i5 (only EVX204, EVX214, EVX205 and EVX215, and provided that parameter u1 and/or parameter u11 is set to 2)<br>• There was a delay in switching off the condenser fan:<br>- parameter F12 (EVX204, EVX214, EVX205 and EVX215 only) only if parameter u1 and/or parameter u11 is set to 6 |
|  | LED clock diode<br>if flashing, the date and current time are being changed (EVX214 and EVX215 only) |
| HACCP | HACCP LED diode<br>if the light is on, not all information related to HACCP alarms is displayed<br>if it flashes, the device stores at least one new HACCP alarm<br>if not, all information relating to HACCP alarms is displayed, or the HACCP alarm list has been cancelled |
|  | LED diode & energy savings<br>if lit, the energy saving function is active (except EVX201)<br>- parameters r4, F13, F14, i5, i10, HE1 and HE2 |
| <br> | LED maintenance diode<br>if it is lit, compressor maintenance is required (except for EVX201):<br><br>- parameter C10 |
|  | LED diode overcooled<br>if it is cold, the supercooling function is activated<br>- parameters r5 and r6 |
| | LED alarm diode<br>if the light is on, an alarm or error is occurring |
| °C | LED diode showing degrees Celsius<br>if it is light, the temperature is displayed in degrees Celsius:<br>- parameter P2 |

| | |
|---|---|
| °F | Fahrenheit LED indicator<br>if it is light, the temperature is displayed in degrees Fahrenheit:<br>- parameter P2 |

| LED | MEANING |
|---|---|
| <br>8.2 | LED diode "on/stand-by"<br><br>if lit, the device is in standby mode<br>Description/explanation of signals |

| INFO | MEANING |
|---|---|
| rhL | operation due to low relative humidity in the process |
| rhH | operation due to high relative humidity in the process |
| Loc | the keyboard is locked:<br>- see paragraph 4.10<br>the required operating value is blocked:<br>- parameter r3 |
| - - - - | The requested operation is not available. |

## ALARMS

| INFO | MEANING |
|---|---|
| AL | Minimum temperature alarm (HACCP alarms) Solution:<br>• Check the temperature in the cell (EVX201 only)<br>• Check the temperature associated with the alarm (except EVX201)<br>• see.<br>- parameters A1 and A2 (EVX201 only)<br>- see parameters A0, A1 and A2 (except EVX201)<br>Main consequences:<br>• The device saves the alarm (EVX201 only)<br>• If parameter A0 is set to 0, the device will store the alarm (except for EVX201)<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |
| AH | Maximum temperature alarm (HACCP alarms)<br>Solution:<br>• Check the temperature in the cell<br>• see.<br>a4 and A5 parameters<br>Main consequences:<br>• The device saves the alarm<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |
| id | Door micro switch input alarm (HACCP alarms) Solution:<br>• Verify the cause of input activation<br>• see parameters i0, iA1 and i4<br>Main consequences:<br>• Effect determined by parameter i0<br>• If the parameter is set to 1, the device will save the alarm, provided that parameter i2 is not set to -1<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |
| PF | Alarm interrupted by power supply (HACCP alarms, EVX214 and EVX215 only)<br>Solution:<br>• Check the cause of the power interruption.<br>• Parameters A10 and A12 are displayed<br>• Press the button to restore the normal display. Main consequences:<br>• If the power interruption lasts longer than specified by parameter A10, the device will store an alarm<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |
| iA | Multifunctional input alarm (EVX204, EVX214, EVX205 and EVX215 only)<br>Solution:<br>• Verify the cause of input activation<br>• Parameters i5 and i6 are displayed.<br>Main consequences:<br>• Effect determined by parameter i5<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |

| | |
|---|---|
| iSd | Pressure switch alarm (EVX204, EVX214, EVX205 and EVX215 only)<br>Solution:<br>• Verify the cause of input activation<br>• Parameters i5, i6, i7 and i9 are displayed<br>• Switch the machine off and on again or disconnect the power supply.<br>Main consequences:<br>• Regulators will switch off<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |

| **INFO** | **MEANING** |
|---|---|
| COH | Overheated condenser alarm (EVX204, EVX214, EVX205 and EVX215 only)<br>Solution:<br>• Check the temperature of the condenser<br>• The parameter is displayed<br>C6 Main consequences:<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3)<br>• If parameter u1 and/or parameter u11 is set to 6, the condenser fan will switch on |
| CSd | Compressor blocked alarm (EVX204, EVX214, EVX205 and EVX215 only)<br>Solution:<br>• Check the temperature of the condenser<br>• Parameter C7 is displayed<br>• Switch the device off and then on again: if the condenser temperature is still high when the device is switched on again<br>if the temperature exceeds the value set by parameter C7, disconnect the power supply and clean the condenser<br>Main consequences: • compressor and fan in the evaporator switch off<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |
| dFd | alarm turned off Defrosting due to maximum time reached (except EVX201)<br>Solution:<br>• Check that the probe in the evaporator is not damaged<br>• see parameters d2, d3 and d11<br>• Press the button to restore the normal display.<br>Main consequences:<br>• The machine continues to operate normally |

Once the problem causing the alarm has been resolved, the device will resume normal operation, with the exception of the following alarms:• Alarm interrupted by power supply (code "PF"), which requires pressing the button

• pressure switch alarm (code "iSd"), which requires the device to be switched off or the power supply to be temporarily interrupted • Alarm compressor lockout due to condenser temperature (code "CSd"), requiring shutdown the device or temporarily interrupting the power supply

• Defrost alarm switched off because maximum time has been reached (code "dFd"), which requires pressing the button.

ERRORS

| **INFO** | **MEANING** |
|---|---|
| Pr1 | Probe error in cell<br>Solution:<br>• Verify that it is an NTC probe<br>• Check that the probe is not damaged<br>• Verify the connection of the probe device<br>• Check the temperature in the cell<br>Main consequences:<br>• Compressor operation depends on parameters C4 and C5<br>• Defrosting will not be activated<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3)<br>• Door resistors will be disabled (only on EVX204, EVX214, EVX205 and EVX215 models, and provided that that parameter u1 and/or u11 is set to 4)<br>• The valve on the evaporator will be disconnected (only on models<br>EVX204, EVX214, EVX205 and EVX215, and provided that parameter u1 and/or u11 is set to 5) |

| | |
|---|---|
| Pr2 | Evaporator probe error (except EVX201)<br>Solution:<br>• As in the previous case, but with regard to the evaporator probe<br>Main consequences:<br>• If parameter P3 is set to 1, the defrosting time will be set by parameter 3<br>• If parameter P3 is set to 1 and parameter d8 is set to 2 or 3, the device will operate as if parameter d8 were set to 0<br>• If parameter F0 is set to 3 or 4, the device will operate as if the parameter were set to 2<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |
| Pr3 | Condenser probe error (only on models EVX204, EVX214, EVX205 and EVX215)<br>Solution:<br>• As in the previous case, but with regard to the evaporator probe<br>Main consequences:<br>• The condenser overheating alarm (code "COH") will not be activated<br>• Compressor blocked, condenser temperature alarm (code "CSd") will never be activated<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3)<br>• If parameter u1 and/or parameter u11 is set to 6, the condenser fan will operate simultaneously with |

| **INFO** | **MEANING** |
|---|---|
| rtc | Clock error (EVX214 and EVX215 models only)EVX215 Solution:<br>• Reset the day and current time<br>Main consequences:<br>• If parameter d8 is set to 4, the device will operate as if the parameter were set to 0<br>• The HACCP function will not provide information regarding the date and time when the alarm was signalled<br>• The energy saving function will not be available in real time<br>• The alarm output will be activated (provided that parameter u1 and/or parameter u11 is set to 3) |

When the problem causing the alarm disappears, the device resumes normal operation with the exception of the clock error (code 00). the alarm, the device resumes normal operation with the exception of a clock error (code "rtc"), which requires setting the date and time.

Cleaning and maintenance

Before reading, disconnect the gas and electricity supply.

Do not clean the appliance:

pressurised water
metal brush
aggressive and corrosive agents and caustic substances
agents containing abrasive particles
chlorine
The machine must be cleaned regularly. Daily maintenance of the equipment extends its service life and functionality. Stainless steel parts can be
clean with a damp cloth and detergent, then wipe with a cleaning agent and dry thoroughly.

Service interruption:

When the machine is not in use for a long period of time, it must be thoroughly cleaned and coated with a protective layer using suitable
funds and disconnected from the gas and electricity supply.

Instructions for emergencies:
Disconnect the appliance from the mains and call a service technician.

## 8. 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.**