



REFRIGERATED CABINET REFRIGERATED TABLE

(F

RETARDER-PROOFER DOUGH-RETARDER

Rev.1-21 Matricola / Serial number

Thank you for choosing this product.

Please read the warnings contained in this manual carefully, as they provide important information regarding safe operation and maintenance.

Make sure to keep this manual for any future reference by the various operators.

In some parts of the manual, the 2^{11} symbol appears, indicating an important warning that must be observed for safety purposes.

CHAPTER 1 BOUNDARY CHARACTERISTICS OF OPERATION

Fremalievita and fermabiga refrigerated cabinets/refrigerated tables have been designed and produced to optimally work in environments with suitable air circulation and temperatures from $+10^{\circ}$ C to $+40^{\circ}$ C (CL5) or $+10^{\circ}$ C to $+30^{\circ}$ C (CL4) for glass-door models. In places with characteristics that are different from the requirements, the stated performance cannot be guaranteed.

The supply voltage must be 230V +/- 10% 50Hz as standard, or as indicated on the EC label.

Fermalievita and fermabiga refrigerated cabinets / refrigerated tables are only to be used within the temperature limits set by the producer. Compare the model displayed on the EC label with the chart here below to identify the correct operation range:

Series	Temperature
BAKING CAB FL	-10° +40°C / 55÷95% U.R.
BAKING CAB FB	-10° +40°C
BAKING TAB FL	-5° +40°C / 55÷95% U.R.
BAKING TAB FB	-5° +40°C

The retarder-proofer/dough retarder refrigerated cabinet and refrigerated table complies with the European directives as described in detail in the Annex **"EC Declaration of Conformity".**

The technical specifications of the refrigerated cabinet are listed on the CE label inside the motor compartment, on the body wall; the specifications of the refrigerated table are listed on the CE label on the external side of the motor compartment.



ATTENTION: any request for intervention, technical support and spare part must refer to the **SERIAL NUMBER** on the CE label, on the manual cover or on the compressor motor. The producer declines any responsibility for any improper or not reasonably foreseen usage of the refrigerated cabinet / refrigerated table and for any operation carried out by neglecting the indications listed on the manual.

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The main general safety standards are listed below:

- **Do not** use or place electrical devices inside the refrigerated compartments if they are not of the type recommended by the manufacturer

- **Do not** touch the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table with damp or wet hands or feet

- **Do not** use the the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table barefoot - **Do not** insert screwdrivers or other objects between the guards or moving parts

- **Do not** pull the power cord to unplug the the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table from the electricity network

- Fermalievita and fermabiga refrigerated cabinets / refrigerated tables are not intended to be used by persons (including children) with physical or mental problems, or lack of experience and knowledge, unless they are controlled or instructed in using the unit by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

- before carrying out any cleaning or maintenance, disconnect the refrigerated cabinet from the mains power supply by turning off the main switch and pulling the plug

- in the event of failure and/or malfunction of the the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table, turn it off and to refrain from any attempt to repair or intervene directly. It is necessary to exclusively contact a qualified technician.

Fermalievita and fermabiga refrigerated cabinets / refrigerated tables are composed of a modular single body insulated with expanded polyurethane with 42 kg/m3 density, internally covered in Stainless Steel AISI 304 and externally by different materials.

During design and production all necessary precautions have been taken to obtain a product complying with safety and hygiene requirements, such as: rounded interior corners, deep drawing with drain on the outside for the condensate liquids, no rough surfaces, fixed guards on moving or dangerous parts.

Products must be stored by respecting the load limits as listed on the chart, so as to ensure the effective air cirulation inside the fermalievita or fermabiga refrigerated cabinet / refrigerated table

Load limits expressed in Kg.				
Grille 400x600 20				
Sheet Metal Baking Trays 800x600 10				
Sheet Metal Baking Trays 400x600 8				

The installation must be performed exclusively by a qualified technician

1.1 It is prohibited to remove the guards and safety devices

It is absolutely forbidden to remove safety guards.

The manufacturer disclaims any liability for accidents due to failure to comply with this obligation.

1.2 Information on emergency operations in the event of fire

disconnect the fermalievita or fermabiga refrigerated cabinet / refrigerated table from the power source or cut off the power supply

- do not use water jets
- use dry chemical or CO2 extinguishers
- 2

CHAPTER 2 CLEANING

Since food is stored in fermalievita or fermabiga refrigerated cabinets / refrigerated tables, it is necessary to frequenlty clean the appliance to ensure hygiene and health safety.

The cleaning of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table have already been carried out at the factory. It is suggested, however, to carry out an additional cleaning of the internal parts before use, making sure that the power cord is unplugged.

2.1 Cleaning the interior and exterior cabinet

For this purpose the following are indicated

- the cleaning products: water and mild, non-abrasive detergents. DO NOT USE SOLVENTS AND THINNERS

- cleaning methods: wash internally and externally either with lukewarm water and neutral soap or with cloth or sponge and suitable products; do not use water jets.

- disinfection: avoid substances that can alter the organoleptic characteristics of the food

- rinsing: cloth or sponge soaked in warm water. DO NOT USE WATER JETS

- frequency: weekly is recommended, the user can set different frequencies depending on the type of food being stored or processed.



REMARK : Clean frequently the door seals.

Some preserved products could release some enzymes that could damage the seals causing its quick deterioration.

For the cleaning, use only specific products for this purposes, available also on request on our sales network.

2.2 Cleaning the condenser

The efficiency of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table is compromised by the clogging of the condenser, therefore it is necessary to clean it on a monthly basis. Before carrying out this operation, switch off the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table unplug the power cord and proceed as follows:

Retarder-proofer/dough retarder refrigerated cabinet and refrigerated table - open the front control panel by unscrewing the screws and making it rotate on the hinges located on the side.

Retarder-proofer/dough retarder refrigerated cabinet and refrigerated table - climb up on a safe ladder and go directly to the condenser placed on top of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table



With the aid of a jet of air or dry brush, eliminate, in a vertical movement (Fig. 1), the dust and lint deposited on the fins. In the case of greasy deposits, we recommend using a brush moistened with special cleaning agents. After completing the operation, restart the fermalievita or fermabiga refrigerated cabinet / refrigerated table. Evaporators installed above the appliances are cataphoresis-treated to reduce corrosion problems.

During this operation, use the following personal protective equipment: goggles, respiratory protection mask, chemically resistant gloves (gasoline-alcohol).

CHAPTER 3 PERIODIC CHECKS TO BE CARRIED OUT

IMPORTANT: The following are the points or units of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table that require periodic checks:

- integrity and efficiency of door seals
- integrity of the grilles in contact with food
- integrity of the fixing hinges of the doors
- integrity of the power cord

3.1 PRECAUTIONS IN CASE OF LONG PERIODS OF INACTIVITY

A long period of inactivity is defined as a stoppage of more than 15 days.

It is necessary to proceed as follows:

- switch off the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table and disconnect it from the power supply

- carry out a thorough cleaning of the interior cabinet, shelves, trays, guides and supports, paying special attention to critical points such as the joints and magnetic gaskets, as indicated in Chapter 2.

- leave the door partly open to prevent air stagnation and residual humidity

CHAPTER 4 PREVENTIVE MAINTENANCE

4.1 Restarting after a long period of inactivity

Restarting after long inactivity is an event that requires preventive maintenance.

It is necessary to perform a thorough cleaning as described in chapter 2.

4.2 Control of the warning and control devices

We recommend that you contact your dealer for a service or maintenance contract that includes: - cleaning of the condenser

- verification of the coolant load
- verification of the full cycle operation
- electrical safety

CHAPTER 5 EXTRAORDINARY MAINTENANCE AND REPAIR

All maintenance activities that have not been described in previous chapters are considered "Extraordinary Maintenance." Extraordinary maintenance and repair are tasks reserved exclusively to the specialist personnel authorized by the manufacturer.

No liability is accepted for actions carried out by the user, by unauthorized personnel, or with the use of non-original replacement parts.

CHAPTER 6 TROUBLESHOOTING

In case of any malfunction or anomaly, check the chart here below before asking for technical assistance.

TROUBLE DESCRIPTION	POSSIBLE CAUSES	HOW TO REPAIR IT
the retarder-proofer/dough retarder	no power supply	check the plug, socket, fuses, line
refrigerated cabinet and refrigerated table do not turn on	other	fuses, line
the refrigeration unit does not start	the set temperature has been reached	set new temperature
	defrosting in progress	wait until the end of cycle / turn power off and on again
	control panel failed	contact technical support
	other	contact technical support
the refrigeration unit runs conti-	location is too hot	aerate more
nuously but does not reach the set	condenser is dirty	clean the condenser
	insufficient coolant	contact technical support
	stop the condenser fan	contact technical support
	insufficient sealing of doors	check the seals / provision of goods
	evaporator completely frosted	manual defrosting
	other	contact technical support
the refrigeration unit does not stop at	command panel failed	contact technical support
the set temperature	Pr1 temperature sensor failed	contact technical support
	misuse	see chapter 1.
block of ice on the evaporator	defrost heater fault	contact technical support
	defrost probe Pr2 damaged	contact technical support
accumulation of water or ice in the	drain clogged	clean the pipette and the drain
drip tray	Cabinet/table are not levelled	check levelling

CHAPTER 7 INSTRUCTIONS FOR REQUESTING ASSISTANCE

For any technical problem and for intervention, **assistance and spare-part requests it is necessary to exclusively revert to one's dealer**, providing the code and the serial number indicated on the specification label attached to the appliance.

CHAPTER 8 SAFETY AND ACCIDENT PREVENTION

Fermalievita and fermabiga refrigerated cabinets / refrigerated tables have been designed with the necessary precautions to guarantee users' safety and health.

The following are the measures taken to protect against mechanical risks:

- **stability:** fermalievita and fermabiga refrigerated cabinets / refrigerated tables have been designed and produced so that, in expected operation conditions, their stability allows usage without overturning, fall or sudden movement, even with extracted wire shelves.

- **surfaces**, **edges**, **corners**: the accessible parts of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table are, within the limits allowed by their functions, free of sharp angles and sharp edges, as well as rough surfaces likely to cause injury

- **moving parts:** were designed, constructed and arranged to avoid risks. Certain parts are equipped with fixed guards so as to prevent risks of contact which may result in injury

The following are the measures taken to protect against other risks:

- **electricity:** Fermalievita and fermabiga refrigerated cabinets / refrigerated tables have been designed, built and equipped so as to prevent risks from electricity, in accordance with the specific legislation in force

- **noise:** Fermalievita and fermabiga refrigerated cabinets / refrigerated tables have been designed and built in such a way that risks resulting from the emission of airborne noise are reduced to the minimum level

8.1 safety devices adopted (Fig. 2) :

- Do not remove the labels applied at the inner edge of the engine compartment, showing the technical specifications (1) and the instructions for grounding (2)

- Do not remove the label applied on the evaporator guard and near the electrical wiring inside the engine compartment, which warns the user to turn off the power supply before working on the unit (3) - Do not remove the labels applied inside the engine compartment, indicating grounding (4)

- Do not remove the label applied on the power cord, indicating the type of power supply (5)

The manufacturer declines any responsibility for the safety of the the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table if this were to happen.



8.2 Indications for optimal operation

- do not obstruct the motor-compartment air intakes (place cabinets at minimum 50 cm from ceiling)

- do not insert foods or liquids that are still hot

- place the foodstuffs on the appropriate shelves or containers. Do not place them directly on the bottom, or leaning against the walls, doors or fixed guards

- close the doors carefully

- always keep the defrost water drain hole clear of obstructions

- limit, to the extent possible, the frequency and duration of door opening. Each opening causes a change in the internal temperature

- perform periodically current maintenance (see chapter 3)

In case of interruption or failure of the power supply circuit, prevent the opening of the doors in order to maintain a uniform temperature inside the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table.

If the problem persists longer than a few hours it is recommended to move the material stored products in a suitable place.

USEFUL SUGGESTIONS

Before starting a RETARDER-PROOFING cycle it is advisable to pre-cool the empty cell at -5 $^{\circ}$ C, thus allowing more effective action of the Cooling action during the introduction of the product. For cycles longer than 48 H increase yeast of 0.5% speeding as possible the loading phase of the product.

Do not bake the product once it has been taken out from the retarder proofer, leave at least 10 minutes at room temperature in order to avoid an excess of moisture in the surface that could cause defects in the crust formation during cooking.

The formation of bubbles on bread does not imply a system malfunction. The cause of this is mainly due to bakery problems, such as too soft or too cold dough, flour type and quality, too much humidity during leavening, too hot oven, too much steam during baking, etc.

Avoid too high temperatures along with too short times during LEAVENING and PROVING, thermal shock should cause problems to gluten and yeast damaging the quality of the finished product.

In case of productions needing storage times above 72 hours it is advisable to freeze the products with a shock freezer (see our catalogues). Such appliances are designed to freeze raw bread at temperatures of -20°C to the core in the shortest time possible, thus preserving its original features until proofing, leavening and baking will be carried out.

Even the storage phase must take place in a special cold room who keeps constantly t -20 ° C.

PRELIMINARY NOTES

The control panels provides complete control for retarder-proofer cabinets or tables for pastry and bakery by managing the current automatic retarder-proofer cycle. Example:



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AUTOMATIC CYCLE

An automatic retarder-proofer cycle is composed of 5 different phases with different temperatures, relative humidities and durations. All these phases are automatically carried out one after the other, and precisely:

(a) 1. COOLING Phase

The block phase is the first phase of the automatic cycle.

► Temperature adjustment : ACTIVE AND ADJUSTABLE

It quickly cools the dough to stop the leavening process by inhibiting the natural process of fermentation by means of temperature.

- Duration (Hours/Minutes): ADJUSTABLE
- ► Fan speed : AUTOMATIC

T 2. PRESERVATION Phase

The preservation phase is the second phase of the automatic cycle.

- ► Temperature adjustement: ACTIVE AND ADJUSTABLE
- ► Duration : (Hours-Minutes): AUTOMATIC
- ► Fan speed : AUTOMATIC

The duration of this phase is automatically calculated by the controller on the basis of the duration of the cooling, the proofing and the leavening processes as well as the day and the time the end of the dough leavening process is required to stop.

3. PROOFING Phase

The proofing phase is the third phase of the automatic cycle.

- ► Temperature adjustement : ACTIVE AND ADJUSTABLE
- Humidity Adjustment : ACTIVE AND ADJUSTABLE
- Duration (Hours-Minutes): ADJUSTABLE
- Fan speed : AUTOMATIC

3 4. LEAVENING Phase

The leavening phase is the fourth phase of the automatic cycle.

- ► Temperature adjustement : ACTIVE AND ADJUSTABLE
- ► Humidity adjustment : ACTIVE AND ADJUSTABLE
- ► Duration (Hours-Minutes): ADJUSTABLE
- ► Fan speed : AUTOMATIĆ

5. DELAYED BAKING Phase

The delayed baking phase is the fifth phase of the automatic cycle.

The delayed baking phase may be either enabled or disabled both during the cycle setting and also during a processing cycle by the final user.

- ► Temperature adjustment :ACTIVE AND ADJUSTABLE
- ► Humidity adjustement : ACTIVE AND ADJUSTABLE
- ► Fan speed : AUTOMATIC

► Duration (Hours-Minutes): The duration of this phase is virtually infinite , that is : it only stops when you interrupt the cycle by pressing the stop button for 3 seconds.

MANUAL CYCLES

MANUAL COOLING PROCESS : (equivalent to storage but with infinite duration)

B HEATING MANUAL PROCESS : (equivalent to a never-ending leavening process)

Besides the automatic and manual cycles management, the controller also provides you to control other functions such as :

- Cell pre-cooling management system
- "Delayed baking" activation/deactivation management system
- 100 User's Programmes management
- WiFi connection for remote management (optional)

CHAPTER 9 CONTROLS

Control panel description:

Tuesday 01/05/17 16:40

Image: state state

The control panel is a digital thermoregulator with 5-inch TFT touch-screen graphic display.

HOME screen

① Date and time ② Enabled functions ③ Light key and ON/OFF key

Home screen is the "starting point" of user interface navigation.

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The HOME screen displays the date and time (1), the enabled functions (2), the LIGHT key (glass-door models) and the ON/OFF key (3).
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9.2 INSTRUCTIONS FOR USE

9.2.1 Start-up

Before starting up the fermalievita or fermabiga refrigerated cabinet / refrigerated table, make sure that the electrical connections have been carried out as indicated on chapter 14. Connect the fermalievita or fermabiga refrigerated cabinet / refrigerated table to the power source: the display will turn on completely after 10 seconds; then, it will be on STAND-BY.



Brower on / off: To turn on the fermalievita or fermabiga refrigerated cabinet / refrigerated table,

push the central key U from the On/stand-by screen; to turn off the device, push the key U on the lower area of the Home screen.

Push the settings key in the On/stand-by screen to access the menu:

- DATE/TIME SETTING
- SERVICE
- MANUAL DEFROSTING
- INPUT/OUTPUT STATUS
- LANGUAGES.

9.2.2 Current date and time setting

Push the settings key from the Stand-by menu; push DATE AND TIME setting; touch on the data to be modified and confirm with **OK**.

Note: If the duration of the power source interruption has been long enough to cause a clock error (RTC alarm), it will be necessary to reset the current date and time.

9.2.3 Language setting

Push the settings key if from the Stand-by menu; push LANGUAGES and select the desired language.

To exit the procedure, and in general to return to the previous level of navigation, press the BACK

button

CHAPTER 10 OPERATION

HOME screen



The 4 "interactive" keys ② allow access to the following functions:

MANUAL | AUTOMATIC | RECIPES | PRE-COOLING

	MANUAL selection, setting and execution of a manual cooling or heating cycle
G	AUTOMATIC selection, setting and execution of a complete automatic retarder proofer cycle
	RECIPES selection and/or modification of the memorized automatic retarder proofer cycles
₽	PRE-COOLING Setting and execution of a pre-cooling cycle of the fermalievita or fermabiga refrigerated cabinet / refrigerated table

10.1 Setting and execution of a manual COOLING OR HEATING cycle:

From this menu it is possible to select every aspect and to execute a manual cooling or heating / leavening cycle, i.e. a cycle that is manually started and stopped by the user by means of the ON/ OFF key.

10.2 Setting and execution of a manual cycle:



Modify the set values wit + or - keys; then, push OK to confirm the modification . The fan speed regulation function is deactivated, thus not visible.

The desired cycle is started by pushing the corresponding **START** area. To interrupt the cycle,

keep the **STOP** key pushed for 3 seconds.

NB: Fan speed is automatic and not adjustable for both selections.



Note: manual cycle does not include duration settings; it can only be ended manually by pushing the **STOP** kev.

It is possible to modify the operation values during a manual cycle by pushing the key. The new values will only be stored for the current cycle.

10.3 Visualization of the icons on the display

During the execution of a cycle (be it manual or automatic), the statuses of the fermalievita or fermabiga refrigerated cabinet / refrigerated table are visualized by means of icons on the upper part of the screen.

When on, their meaning is as follows:



During the execution of a cycle (be it manual or automatic), the following keys will be visualized on the lower part of the screen.



10.4 Execution and setting of an AUTOMATIC cycle:



Push automatic cycle

From this area it is possible to access the following screen, where the phases composing a RETARDER PROOFER cycle are visualized:

- 1- BLOCK 2- STORAGE 3- PROOFING
- 4- LEAVENING
- 5- BAKING DELAY

ENGLISH Automatic cycle phase setting screen. Sunday 02/04/17 19:14 1 2 3 4 5 캥 -50 °C -50 °C 50 °C -50 °C - 49 °C 0 0 03 O? Ô 100 % 0 % 100 % 0 % 0 % 6 8 3 % க 5 යි 5 % ക 5 % 100 8 X 00:01 00:30 00:30 YES (_{+24H} START END CYCLE Sunday 04/04/04 04:04 Cycle end selection key | 24h cycle end increase key | Start key

The automatic cycle starts by pushing the **START** key and ends automatically, at the end of phase 4 and according the to set cycle end time, with a sound signal.

Storage time of phase 2 is automatically set by the system by adding the times of the respective phases in consideration of the end cycle time.



Manual interruption can be carried out in any phase by keeping the **STOP** key pushed for 4 seconds.

Note: phase 5 (baking delay) is optional and does not involve duration settings: if activated, it can only be ended manually by pushing the **STOP** key.



(a) 10.4.1 Modification of an automatic cycle

Before starting a cycle, it is possible to access setpoint setting menu for each retarding-proofing phase by pushing either on the corresponding coloured area or on the numbers corresponding to the phase to be modified.



Once the implemented modifications are confirmed by pushing on **section**, they will be saved automatically as pre-<u>set setting</u>s of the automatic cycle in progress simply by executing the cycle

(i.e. by pushing the **START** area).

The CYCLE END icon is visualized bottom left with indication of the cycle end time set by the user, while date and weekday are automatically calculated by the controller according to the sum of the set times of each phase (from phase 1 to phase 4).

Push on the CYCLE END area to access the end cycle time modification and, only after confirming

it with the key, it will be possible to modify the cycle end date, which can only be postponed with respect to the first date available as calculated by the controller.



(**B** 10.4.2 Memorization of an automatic cycle (RECIPE – PROGRAMS)

Push on the **I** icon top left to "save as" the set cycles before their execution; scroll the recipe collection pages with the recipe list and select the desired position to save the recipe, giving it a

new name or overwriting an existing recipe; confirm by pushing on the the operation.

key to finish

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TOLE RECIPES-PROGRAMS



Push the Recipes-Stored Programs key.

From this area it is possible to access MY RECIPES SCREEN, listing the retarder proofer automatic cycles saved by the user, as per procedure explained on the previous paragraph. Up to 100 positions are available to save recipes.

< мү	RECIPES	
P 12 Monday 5.00 AM P 13 Tuesday 5.00 AM P 14 Wednesday 5.00 AM P 15 Thursday 5.00 AM P 16 Friday 5.00 AM	P 17 Saturday 5.00 AM P 18 Saturday 1.00 PM P 19 Holiday +24h 5.00 AM P 20 Holiday +36h 5.00 AM P 21	Program recipes screen

Push on the recipe name to access the automatic cycle start page, from which the cycle can be executed or the various phases can be accessed to modify their setting and create a new recipe. This new recipe can be overwritten on an existing recipe or can be saved with a different name (see previous paragraph).

Note: the position with dashes is empty, thus cannot be activated; pushing on the corresponding area will have no effect.

Stored Retarder Proofer Programs (Recipes)

As an example, 3 programs are stored: Bread 100 gr, Bread 300 gr, Bread 500 gr.

P01 - Bread 100 gr.							
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5		
	COOLING	STORAGE	PROOFING	LEAVENING	DELAYED BAKING		
Temperature	-5	2	16	28	22		
Humidity	NOT ACTIVATED	NOT ACTIVATED	80%	80%	75%		
Time	03:30 (hh:mm)	AUTOMATIC	03:00 (hh:mm)	2:00 (hh:mm)	INFINITE		
Fan speed	100%	100%	100%	100%	100%		

P02 - Bread 300 gr.							
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5		
	COOLING	STORAGE	PROOFING	LEAVENING	DELAYED BAKING		
Temperature	-5	0	16	28	22		
Humidity	NOT ACTIVATED	NOT ACTIVATED	80%	80%	75%		
Time	04:00 (hh:mm)	AUTOMATIC	03:30 (hh:mm)	02:30 (hh:mm)	INFINITE		
Fan speed	100%	100%	100%	100%	100%		

P03 - Bread 500 gr.							
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5		
	COOLING	STORAGE	PROOFING	LEAVENING	DELAYED BAKING		
Temperature	-6	-2	16	28	22		
Humidity	NOT ACTIVATED	NOT ACTIVATED	80%	80%	75%		
Time	04:30 (hh:mm)	AUTOMATIC	04:00 (hh:mm)	03:00 (hh:mm)	INFINITE		
Fan speed	100%	100%	100%	100%	100%		

The remaining 97 positions, out of 100 available, can be customized by the user.

3 10.6 PRE-COOLING:



Push the pre-cooling key.

From this area it is possible to activate a pre-cooling of the fermalievita or fermabiga refrigerated cabinet / refrigerated table while waiting to select an automatic cycle.

Push pre-cooling area to access the screen allowing to adjust temperature setpoint and start the function by pushing the **LOKE** key.



When the function is active, the corresponding area will turn blue and the detected internal temperature of the refrigerated cabinet / refrigerated table will be displayed.

After reaching the set temperature, an acoustic signal will be issued. The pre-cooling function has an endless duration, i.e. it ends when a manual or automatic cycle is started or when it is

interrupted by pushing the **STOP** kev.

(10.8 ALARMS

Alarms are signalled by a long buzzer sound and visualized by the icon on the upper part of the display, while the alarm type is indicated on the lower part of the display. Touch on any part of the screen to silence the buzzer. To eliminate the icon, push on it and access the alarm list page, where the active alarms are indicated by ON on the side. The following chart lists the possibly occurring alarms:

ALARM	DESCRIPTION	CAUSE	SOLUTION
RTC	Internal clock alarm	Settings were lost	Set the clock
HIGH EVAP. TEMP.	High evaporator tem- perature	Evaporator tempera- ture has exceeded the maximum set value	-Control internal fan operation -Service
HIGH CHAMBER TEMP.	High evaporator tem- perature	Evaporator tempera- ture has exceeded the maximum set value	-Control internal fan operation -Service
OPEN DOOR	Open door alarm	Door has remained open for a longer time than set.	-Close the door -Check microswitch operation
POWER FAILURE	Power failure alarm	Power interruption alarm	Check electrical con- nections
CHAMBER PROBE	Chamber probe dama- ge alarm	Chamber probe is damaged	Replace probe
EVAPORATOR PRO- BE	Evaporator probe da- mage alarm	Evaporator probe is damaged	Replace probe
HUMIDITY PROBE	Humidity probe dama- ge alarm	Humidity probe is da- maged	Replace probe

ENGLISH							
INCOMP. POWER BASE	User interface-control module compatibility error	Interface-control mo- dule compatibility problems	Service				
LACK OF COMMUNI- CATION	User interface-control module communica- tion error	Interface- control mo- dule communication problems	Service				

CHAPTER 11 NOISE LEVEL

The noise threshold of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table is lower than 70 dB (A).

CHAPTER 12 MATERIALS AND FLUID USED

The materials in contact or which may come into contact with foodstuffs comply with the relevant directives.

The retarder-proofer/dough retarder refrigerated cabinet and refrigerated table have been designed and built in such a way that these materials can be cleaned before each use. The refrigerant fluids used R452A conform with the new EU regulation 517/2014 F-Gas R452A is a fluorinated gas, it has a GWP potential of 21410

The symbol indicates that this product must not be treated as household waste.

To prevent potential negative consequences for the environment and human health, make sure that this product is properly disposed of and recycled.

For more information regarding the disposal and recycling of this product, please contact your Distributor, after sale Service, or waste treatment Service.



CHAPTER 13 TRANSPORT AND HANDLING

Transport and handling of fermalievita or fermabiga refrigerated cabinet / refrigerated table must be exclusively carried out by keeping it upright, as per indications on the package.

The manufacturer disclaims any liability for problems resulting from transport performed under conditions other than those specified above.

Accessories supplied with the fermalievita or fermabiga refrigerated cabinet / refrigerated table (slideways, wire-shelves, containers, trays, remote condensing unit with pipes) are packed separately and placed inside the device.

Fermalievita or fermabiga refrigerated cabinets / refrigerated tables are fixed on a wooden base and packed with polyethylene, cardboard, wooden crate (optional) or wooden box (optional).

Regarding the disposal of the packaging it is necessary to refer to current regulations in your country.

The movement of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table shall be performed using a fork lift or pallet trucks equipped with suitable forks (length of at least 2/3 of the unit).

The limits of stackability and the centre of gravity are indicated on the label of the package.

13.1 Positioning operations

Since the incorrect positioning of the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table can cause damage to the same, jeopardizing its proper functioning and cause risks to the personnel, the installer must comply with the following general rules:

- place the fermalievita or fermabiga refrigerated cabinet / refrigerated table by keeping a minimum distance of 3 cm from any wall; keep cabinets at a mimimum distance of 50 cm from ceiling

- the environment must be sufficiently ventilated

- position the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table away from heat sources

- avoid exposure to direct sunlight

- remove the polyethylene, cardboard or wood packaging

Polyethylene is dangerous for children

- remove any accessories with external connections

Removing the wooden base (fig. 4) : tilt the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table sideways and unscrew the two self-tapping screws (cabinet solely), lift the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table and remove the base.



use protective gloves when handling the wooden packaging and the wooden base.

The presence of splinters may cause damage to your hands

- remove the PVC film applied as a protection to the outer surfaces of he retarder-proofer/dough retarder refrigerated cabinet and refrigerated table

- position the retarder-proofer/dough retarder refrigerated cabinet and refrigerated table using a level with possible adjustment of the feet of the metal base (Fig. 5)



- position the grille holding guide fails in the holes of the racks (Fig. 6)



- insert the grilles for food in the special guides

- insert the condensate water drain pan into the special guide rails already fixed under the retarderproofer/dough retarder table REM.

13.2 Retarder-proofer/dough retarder refrigerated cabinet and refrigerated table REM (Fig. 7)



- place the REM fermalievita or fermabiga refrigerated cabinet / refrigerated table as shown above (Picture 5)
- arrange the two pipes coming out of the REM fermalievita or fermabiga refrigerated cabinet / refrigerated table (ø as per technical specifications of the appliance) to connect them to the respective pipes
- connect the condensing unit pipes to the fermalievita or fermabiga refrigerated cabinet / refrigerated table pipes
- create a vacuum and then carry out the loading of the coolant

- carry out the electrical connection of the fermalievita or fermabiga refrigerated cabinet / refrigerated table (Picture 7)

- perform a functional test to verify the correct gas charge.

CHAPTER 14 ELECTRICAL WIRING AND CONNECTIONS

The electrical system and connection must be carried out by qualified personnel. Before installation, measure the impedance of the network, the impedance value for the connection to the network must not exceed 0.075 ohm.

For safety reasons you must follow these guidelines:

- check that the sizing of the electrical system is suitable to the absorbed power of the fermalievita or fermabiga refrigerated cabinet / refrigerated table, and that it is equipped with a differential switch (circuit breaker)

- in case the socket is incompatible with the plug of the fermalievita or fermabiga refrigerated cabinet

/ refrigerated table, replace the plug with a suitable type, provided it is norm-compliant.

- do not insert adapters and/or reductions (Fig. 8)



The power cord has the connection type "Y" and it can be replaced exclusively by the manufacturer or authorized technical service

Lt is essential to correctly connect the fermalievita or fermabiga refrigerated cabinet / refrigerated table to an effective grounding system, as per provisions of the law in force.

14.1 Connection to the water supply (retarder-proofer solely)

All fermalievita refrigerated cabinets / refrigerated tables need to be connected to the water system to perfrom humidity control and management. The connection to water supply must be made according to the manufacturer's instructions and by professionally qualified personnel. The position of the 3/4" fitting for the connection to the water mains is visible on the product's technical sheet.

Appliances must be provided with non-distilled, non-demineralized tap water.

The operating pressure should be between 0.1 and 0.5 MPA. Between the water network and the load connection of the equipment 3/4" should be installed a tap to interrupt the passage of water in case of need. In the case the water is hard it is advisable to install a water softener, the presence of solids such as sand can be eliminated by installing a mechanical filter to be inspected and cleaned periodically.

CHAPTER 15 INSTALLATION OPERATIONS

It is important, in order to prevent errors and accidents, to perform a series of checks before starting up the the retarder-proofer/dough retarder table and cabinet in order to identify any damage incurred during transport, handling and connection.

Checks to be performed:

- check the integrity of the power cord (it must not have suffered abrasions or cuts)

- check the solidity of the legs, door hinges, shelf supports

- check the integrity of the internal and external parts (pipes, heating elements, fans, electrical components, etc.) and their fixing

- check that the seals of the doors and drawers have not been damaged (cuts or abrasions) and close with an airtight seal

- check the integrity of the pipes and fittings (REM)

CHAPTER 16 REINSTALLATION

It is necessary to comply with the following procedure:

- disconnect the power cord from the power outlet

- the handling should be carried out as described in chapter 13

- for a new placement and connection, please refer to par. 13.1

- for the REM models proceed to the possible recovery of the coolant gas in accordance with the regulations in force in your country



ATTENTION!

INSTRUCTIONS RESERVED SOLELY TO TECHNICAL PERSONNELL

Users are adviced that any work performed by non-technical staff or unauthorized personnel will produce the voiding of the warranty rules.

PARAMETER VISUALIZATION AND ADJUSTMENT

Push the Settings key top left on the On/stand-by screen (Picture 1)

DATE/TIME SETTING-SERVICE-MANUAL DEFROSTING-INPUT/OUTPUT STATUS-LANGUAGES will be visualized (Picture 2)



Enter the SERVICE menu from the On/stand-by screen; then, enter the PARAMETER menu:



Type in password -19 to visualize the set-up parameter list.



To adjust INTERNAL PARAMETERS (Picture 5), select the parameter and adjust the value using the cursor (Picture 6)



Use the UP



keys to scroll all parameters and key



the programming and return to the previous menu.

FERMALIEVITA AND FERMABIGA CABINET AND TABLE PARAMETERS

NB only the highlighted parameters can be modified by maintenance service. The other parameters can be modified only after reference/authorization by our technical department.

Par.	Min	Max	Unità	FLievita	FBiga	Analog Inputs
CA1	-25	25	°C	0	0	chamber probe offset
CA2	-25	25	°C	0	0	evaporator probe offset
CA3	-25	25	°C	0	0	condenser probe offset
CA4	-25	25	%r.H.	0	0	humidity probe offset
P0	0	1		1	1	probe type 0 = PTC 1 = NTC
P2	0	1		0	0	temperature unit of measurement 0 = °C 1 = °F
P3	0	1		1	1	evaporator probe activation $0 =$ deactivated $1 =$ activated
P4	0	1		0	0	condenser probe activation 0 = deactivated 1 = activated
P5	0	60	min	60	60	duration of a power failure, after which a cycle is interrupted
P6				1	1	classified
P7	0	P8	%r.H.	5	5	humidity transducer lower calibration limit (corresponding to 4mA)
P8	P7	100	%r.H.	100	100	humidity transducer upper calibration limit (corresponding to 20mA)
Par.	Min	Max	Unità	Default	Default	Cold regulator
rC0	1	15	°C	2	2	rC3, rC4, rC5 parameter differential
rC1	-99	rC2	°C	-10	-10	minimum settable setpoint for block, storage and manual refrigeration phases
rC2	rC2	99	°C	20	20	maximum settable setpoint for block, storage and manual refrigeration phases
rC3	0	10	°C	1	1	cold neutral zone value for block, storage and manual refrigeration pha- ses
rC4	0	10	°C	1	1	cold neutral zone value for proofing, leavening and manual heating pha- ses
rC5	0	10	°C	1	1	cold neutral zone value for baking delay phase
rC6	-99	99	°C	-5	-5	pre-cooling setpoint
						Note for parameters from rC7 to rC10: the controller does not automa- tically adapt the set percentages. Make sure the percentages and the corresponding pitch number are coherently set
rC7	1	3		1	1	number of adjustment pitches in storage phase
rC8	1	100	%	100	100	1° storage step increment percentage (in relation to 100% total)
rC9	1	100	%	50	50	2° storage step increment percentage (in relation to 100% total)
rC10	1	100	%	100	100	3° storage step increment percentage (in relation to 100% total)
Par.	Min	Max	Unità	Default	Default	Heat regulator
rH0	1	15	°C	2	2	rH3, rH4, rH5 parameter differential
rH1	-99	rH2	°C	0	0	minimum settable setpoint for proofing, leavening, baking delay and ma- nual heating phases
rH2	rH2	99	°C	40	40	maximum settable setpoint for proofing, leavening, baking delay and ma- nual heating phases
rH3	0	10	°C	1	1	hot neutral zone value for block, storage and manual refrigeration phases
rH4	0	10	°C	1	1	hot neutral zone value for proofing, leavening and manual heating pha- ses
rH5	0	10	°C	1	1	hot neutral zone value for baking delay phase
rH6	1	600	S	60	60	cycle time for the activation of heaters in case of heat demand (see also rH7)
rH7	1	600	S	60	60	heater activation time within rH6 cycle time
						Note for parameters from rr0 to rL10: the controller does not automatically adapt the set percentages. Make sure the percentages and the corresponding pitch number are coherently set
rr0	1	10		1	1	number of adjustment pitches in proofing
rr1	1	100	%	100	100	1° proofing step increment percentage (in relation to 100% total)
rr2	1	100	%	50	50	2° proofing step increment percentage (in relation to 100% total)
rr3	1	100	%	75	75	3° proofing step increment percentage (in relation to 100% total)
rr4	1	100	%	100	100	4° proofing step increment percentage (in relation to 100% total)
rr5	1	100	%			5° proofing step increment percentage (in relation to 100% total)
rr6	1	100	%			6° proofing step increment percentage (in relation to 100% total)
rr7	1	100	%			7° proofing step increment percentage (in relation to 100% total)
rr8	1	100	%			8° proofing step increment percentage (in relation to 100% total)

	increment percentage (in relation to 100% total)		
rr10 1 100 % 10° proofing step	10° proofing step increment percentage (in relation to 100% total)		
rL0 1 10 1 1 number of heater	number of heater adjustment pitches in leavening phase		
rL1 1 100 % 100 100 1° leavening step	o increment percentage (in relation to 100% total)		
rL2 1 100 % 50 50 2° leavening step	o increment percentage (in relation to 100% total)		
rL3 1 100 % 75 75 3° leavening step	o increment percentage (in relation to 100% total)		
rL4 1 100 % 100 100 4° leavening step	o increment percentage (in relation to 100% total)		
rL5 1 100 % 5° leavening step	o increment percentage (in relation to 100% total)		
rL6 1 100 % 6° leavening step	p increment percentage (in relation to 100% total)		
rL7 1 100 % 7° leavening step	p increment percentage (in relation to 100% total)		
rL8 1 100 % 8° leavening step	o increment percentage (in relation to 100% total)		
FL9 1 100 % 9 ³ leavening step rl 40 1 100 9 ⁴ 100 100	D Increment percentage (in relation to 100% total)		
Par Min Max Unità Default Default Humidity rogi	lator		
Par. Mill. Max. Offica Default Default Humidity rego	ment mode: $0 =$ with humidity probe $1 =$ without humi-		
rUO 0 1 0 1 dity manage dity probe, by tim	ne cycles according to the set percentage		
rU1 -99 99 °C 7 7 minimum chambe	er temperature for humidification control inhibition		
rU2 1 600 s 60 60 cycle time for hur	midifier activation (only for rU0 = 1, see also rU3)		
rU3 1 600 s 60 60 humidifier activat	tion time within rU2 cycle time to generate 100% humidi- r (cally for rU0 = 1, and place rU2)		
humidification/de	chumidification control activation during block storage		
rU4 0 2 2 2 and manual refrig	geration phases 0 = not managed but displayed 1 = ma-		
naged and displa	ayed 2 = not managed and not displayed		
rU5 1 100 %r.H. 5 5 denumidification			
FU6 U 100 % F.H. 5 5 a enumidification rU7 0 255 0 10 10 duration of dobu	neutral zone value		
IO7 O 255 S IO IO auration of denur r119 1 100 9/ r H 5 5 buridification dif	midification attempt with pump-down electrovalve		
r 10 10 %r.H 5 5 humidification no			
rU10 0 50 %rH 1 1 humidification pr	oportional band value (only for F12=0)		
rU11 0 255 s 60 60 cycle time for hur	midification proportional adjustment (only for F12=0)		
rU12 0 1 1 1 time base for hur	midification proportional regulation cycle time (only for		
ICIL ICIL E12=0): 0 = sec rL113 0 100 % 100 100 maximum settable	onds 1 = minutes le humidity setooint		
rU14 -99 99 °C 5 5 minimum chamb	er temperature for dehumidification control inhibition		
rU15 0 300 s 60 60 humidifier pause	time (only if E12=2)		
rU16 0 60 s 3 3 humidifier actival	tion time (only if E12=2)		
Par. Min Max Unità Default Default Compressor	protection		
C0 0 240 min 0 0 compressor start	ing delay since appliance activation		
C1 0 240 min 0 0 delay between tw	vo compressor activations		
C2 0 240 min 5 5 turned-off compression	essor minimum duration		
C3 0 240 s 0 0 turned-on compre	essor minimum duration		
C4 0 240 min 0 0 turned-on comprining and baking	essor forcing time at the beginning of proofing, leave- delay phases		
C6 0 199 °C 60 60 condensation ter	nperature above which the overheated condenser alarm		
C7 0 199 °C 65 65 condensation terr	nperature above which the arrested compressor alarm is		
CR 0 15 min 1 activated			
Par Min Max Unità Default Default Defracting	ssor alarni delay		
Par. Will Wax Offica Default Default Defiosing	ting interval $\Omega = defrosting at intervals will never be$		
d0 0 99 h 6 6 activated			
d1 0 1 0 0 defrosting type 0 off, defrosting ou off) 1 = by hot ga frosting output w	 electric (during defrosting, compressor will be turned tput will be activated and evaporator fan will be turned as (during defrosting, compressor will be turned on, de- ill be activated and evaporator fan will be turned off) 		
d2 -99 99 °C 8 8 defrosting end th	reshold (evaporator temperature); see also parameter		
d3 0 99 min 30 30 if parameter P3 is maximum defros never be activated	s set to 0, defrosting duration if parameter P3 is set to 1, ting duration; see also parameter d2 0 = defrosting will ed		
d5 0 99 min 0 0 defrosting delay will be activated	since storage/manual refrigeration start 0 = defrosting after the time set by parameter d0 will elapse		
d7 0 15 min 2 2 dripping time (du turned off and de	ring dripping, compressor and evaporator will remain frosting output will be deactivated)		

d15	0	99	min	0	0	minimum consecutive turned-on compressor duration to start hot gas de- frosting with interval deadline (only if parameter d1 is set to 1)	
Par.	Min	Max	Unità	Default	Default	Temperature alarms	
A1	0	99	°C	50	50	evaporator temperature above which evaporator high temperature alarm is activated; see also parameter A2	
A2	-1	240	min	1	1	high evaporator temperature alarm delay 1 = yes -1 = alarm not enabled	
A3	0	99	°C	50	50	chamber temperature above which high chamber temperature alarm is activated; see also parameter A4	
A4	-1	240	min	1	1	high chamber temperature alarm delay 1 = yes -1 = alarm not enabled	
Par.	Min	Max	Unità	Default	Default	Evaporator and condenser fan	
FO	0	1		1	1	evaporator fan activity during block phase 0 = parallel operation with compressor 1 = continuous operation	
F1	0	1		0	0	evaporator fan activity during storage, refrigeration, precooling phases 0 = parallel operation with compressor 1 = continuous	
F2	0	1		1	1	evaporator fan activity during proofing phase 0 = parallel operation with main utilities 1 = continuous operation	
F3	0	1		1	1	evaporator fan activity during leavening phase $2 =$ parallel operation with main utilities $0 =$ continuous operation	
F4	0	1		0	0	evaporator fan activity during baking delay phase 3 = parallel operation with main utilities 0 = continuous operation	
F5	0	1		1	1	evaporator fan activity during heating phase 0 = parallel operation with main utilities 1 = continuous operation	
F10	0	100	%	100	100	fan speed during pre-cooling	
F11	0	100	%	70	70	fan speed during dehumidification	
F12	0	15	min	1	1	fan stop after dripping	
F13	0	250	S	0	0	evaporator fan turning-off delay since main utilities turned off	
F14	1	600	S	0	0	deactivated	
F15	1	600	S	0	0	evaporator fan turning-on time within F14 cycle time	
F16	0	99	°C	40	40	condenser temperature above which condenser fan is turned on even with turned-off compressor	
F17	0	240	S	5	5	condenser fan turning-off delay since compressor turning off (valid only with deactivated condenser probe)	
F18	0	240	S	5	5	evaporator fan turning-off delay since closing of the door, i.e. since deac- tivation of microswitch input	
F19	0	100	%	40	40	minimum settable evaporator fan speed	
F20	0	100	%	100	100	maximum settable evaporator fan speed	
F21	0	100	%	100	100	evaporator fan initial peak speed	
F23	0	100	5 0/2	0	0	evaporator fan min, speed adjustment value	
F24	0	100	%	100	100	evaporator fan Max. speed adjustment value	
F25	-50	99	°C	99	99	evaporator temperature below which evaporator fan is activated for block, sto- rage and manual refrigeration phases	
Par.	Min	Max	Unità	Default	Default	Digital inputs	
iO	0	2		1	1	effect caused by door opening, i.e. by activation of microswitch input $0 =$ no effect 1 = compressor, evaporator fan and heaters will be turned off, chamber light will be turned on 2 = evaporator fan and heaters will be turned off, chamber light will be turned on	
i1	0	1		1	1	microswitch input contact type 0 = normally open (active input with clo- sed contact) 1 = normally closed (active input with open contact)	
i2	-1	120	min	-1	-1	open door alarm warning delay -1 = alarm will not be signalled	
i3	0	1		1	1	effect caused by high pressure input activation 0 = no effect 1 = com- pressor and evaporator fan will be turned off and condenser fan will be turned on	
i4	0	1		0	0	high pressure input contact type 0 = normally open (active input with clo- sed contact) 1 = normally closed (active input with open contact)	
i5	-1	240	S	5	5	high pressure alarm warning delay -1 = alarm will not be signalled	
i6	0	3		1	1	effect caused by low pressure input activation 0 = no effect 1 = ALARM compressor and evaporator fan will be turned off 2 = PUMP-DOWN AND ALARM MANAGEMENT when compressor turns off, digital input will turn off compressor output, as pump-down phase is finished. During refrige-rating unit activation, digital input will turn off compressor and evaporator fan 3 = COMPRESSOR THERMAL ALARM compressor will be turned off	
i7	0	1		0	0	low pressure input contact type 0 = normally open (active input with clo- sed contact) 1 = normally closed (active input with open contact)	
i8	-1	240	S	10	10	low pressure alarm warning delay -1 = alarm will not be signalled	
i9	0	240	S	40	40	low pressure switch re-arm time when compressor is turned on (only if $i6 = 2$)	

i10	0	1		0	0	thermal protection input contact type 0 = normally open (active input win closed contact)		
i11	-1	240	S	5	5	thermal protection alarm warning delay -1 = alarm will not be signalle		
Par.	Min.	Max.	Unità	Default	Default	Digital outputs		
u1	0	1		1	1	utility managed by K8 output 0 = pump-down valve (in this case, parame- ter u2 will assume meaning) 1 = evaporator fan (in this case, output will replicate the status of PWM output dedicated to evaporator fan in ON/ OFF mode)		
u2	0	240	S	10	10	if i6 = 0 or 1: compressor deactivation delay since pump-down valve has been turned off (pump-down in turning-off, only for $u1 = 0$) if i6 = 2 pump- down maximum duration while compressor is turned off without activation of low pressure output resulting in compressor turning-off and pump- down alarm signal if i6 = 0 no alarm is signalled		
u3	0	1		1	1	utility managed by K4 output 0= dehumidifier/extraction fan (in this case parameters rU5 and rU6 will assume meaning) 1 = condenser fan (in this case, parameters F16 and F17 will assume meaning) 2 with u3 = dehumidification will be automatically managed by refrigerating unit activation		
PA1	-99	999		428	428	EVconnect / EPoCA 1st level password		
PA2	-99	999		824	824	EVconnect / EPoCA 2st level password		
bLE	0	99		1	1	Serial port configuration for connectivity 0 = free 1 = forced for EVcon- nect or for EPoCA 2-99 = EPoCA local network address		
Par.	Min	Max	Unità	Default	Default	Serial communication (RS-485 type serial port with MODBUS communication protocol)		
L1	1	240	min	5	5	internal data sampling time		
LA	1	247		247	247	device address		
Lb	0	3		2	2	baud rate 0 = 2.400 baud 1 = 4.800 baud 2 = 9.600 baud 3 = 19.200 baud		
LP	0	2		2	2	parity 0 = none 1 = odd 2 = even		
Par.	Min	Max	Unità	Default	Default	Other		
E8	0	240	min	0	0	idleness time for screen saver activation 0 = not enabled		
E9	0	1		0	0	EVCO splash-screen visualization at power-on 0 = neutral screen 1 = EVCO splash		
E11	0	120	S	10	10	buzzer sound duration at cycle end and when pre-cooling setpoint is reached		
E12	0	2		0	0	type of managed humidifier 0 = humidifier with steamer 1 = serial-control humidifier (EASYSTEAM) 2 = instant generation humidifier		
E13	0	240	min	10	10	"completed cycle" screen visualisation duration 0 = not enabled		
E14						classified		
E15	0	1		0	0	recipe modification/ memorization lock activation 1= active lock		

INTERNAL VALUE VISUALIZATION

On this page it is possible to visualize internal statuses and values.

Internal statuses and values are temperature and humidity values as detected by probes, as well as the status of all active relays on the electronic board.

Select the settings key on the On/stand-by screen (Picture 1) or the local key on any manual or automatic cycle to enter INPUT /OUTPUT STATUS menu.

Push INPUT/OUTPUT STATUS (Picture 7)



Probe visualization screen						Input/output visualization screen				
<		SONDE				< 1	INGRESSI/	USCITE		
TEMP.CAME	RA 0°C 80%		TEMP. EVAPOR TEMP. COND	-10°C 		COMPRESSORE PUMP DOWN DEUMIDIFICAZIONE UMIDIFICAZIONE RISCALDAMENTO	ON OFF OFF ON OFF	GEN. VAPORE SBRINAMENTO LUCE VEL. VENTOLE PORTA	OFF ON 100% OFF	
V		I	Λ			V		Λ		

It is possible to visualize the operational thermal and hygrometric values and which components are currently working. These values cannot be modified.

Remote management and remote control (Optional)

A Modbus port for connection to EVlink module to use EVconnect, EPoCA or BMS apps is available on the thermoregulator (see remote management and remote control manual)



Components key:

- CL Humidifier level control
- CP Compressor
- EV1 Water inlet electrovalve
- IL Light switch
- IP Door microswitch
- K1 Compressor relay
- K5 Defrost relay
- K6 Leavening resistance relay
- K3 Steam generator relay
- L1 Internal light
- MS Feeding terminal board
- MP Micro door
- RB Boiler resistance
- RC Condensate water resistance
- RP Anticondensate water resistance
- RS Defrost resistance RR Heating resistance
- SA Room probe
- SC Condenser probe
- SL Level probe SS Evaporator probe
- SU Humidity probe
- TS Safety thermostate
- VC Condenser fan
- VE Evaporator fan
- KU Umidifier
- TS Safety thermostat

Colours key:

NE Black GR Grey AR Orange RO Red MA Brown BL Dark blue BI White GV Yellow green RA Pink VI Purple AZ Light blue



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