

TECHFROST

ISTRUZIONI D'USO INSTRUCTIONS FOR USE

PASTRY REFRIGERATED
CABINET -2°C / +8°C
ICE-CREAM STORAGE CABINET -25°C / -10°C
fully CFC and HCFC free

CG30 / CG32

CG35 / CG40

CG 68 / CG70

CG78 / CG80



GENERAL WARNINGS

The warnings in this booklet have been drawn up for the safety of yourself and others. We therefore warmly recommend reading them carefully before installing and using the appliance.

The Manufacturer declines any responsibility if the instructions herein are ignored or if the appliance is tampered with.

The packing materials carrying the symbol  can be recycled; place them in the special containers or areas for collection.

When the appliance is decommissioned, cut the power supply wire and eliminate any other parts that could constitute a hazard.

Observe local regulations for the disposal of this type of appliance.
Not for household use.

ENGLISH

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1. INSTALLATION



IMPORTANT

THE MANUFACTURER DECLINES ALL RESPONSIBILITY IF INSTALLATION IS NOT CARRIED OUT BY PROPERLY QUALIFIED PERSONNEL OR IF THE INSTRUCTIONS IN THIS MANUAL ARE NOT OBSERVED

1.1 PRELIMINARIES

Remove the protective film from the outer surfaces.

Carefully clean the inside of the appliance with warm water and neutral soap, then rinse and dry thoroughly.



WARNING!

DO NOT WASH WITH DIRECT OR HIGH PRESSURE JETS OF WATER AS THIS COULD CAUSE INFILTRATION WHICH COULD COMPROMISE PROPER OPERATION OF THE APPLIANCE OR THE SAFETY SYSTEM

Place the appliance in its permanent position and adjust the feet so that it is perfectly aligned. Make sure that minimum clearance is observed, to allow use and maintenance operations.

1.2 CHECKS

Check that there are no sources of heat in the close vicinity.

Check that the electricity supply available complies with the rating plate on the appliance, and especially that the mains voltage is within a tolerance of +/-10% of the value required.



WARNING!

THE MANUFACTURER DECLINES ALL RESPONSIBILITY FOR ANY DAMAGE CAUSED BY FAILURE TO EARTH THE APPLIANCE

1.3 CONNECTION

Plug into the socket without adapters, multiple plugs and/or extensions.



WARNING!

DO NOT OBSTRUCT THE AIR VENTS IN THE APPLIANCE CABINET

2. USE



IMPORTANT

THE APPLIANCE HAS BEEN DESIGNED FOR THE PRESERVATION OF FOODSTUFF: WE ACCEPT NO RESPONSIBILITY IF IT IS USED FOR ANY OTHER PURPOSE

2.1 USER INTERFACE

Keys

Key...	Press once...	Hold down...
 MENU	---	- From home page, accesses the configuration menu - From standby, accesses the programming menu
	- Goes back one level - Exits a function	- Switches the device ON/OFF - Regulation
	- Decreases a value - Moves within a menu	---
	- Increases a value - Moves within a menu - Accesses the AUX menu	---
	---	Activates manual defrost
SET 	- Confirms a selected value/function - Accesses the setpoint menu	---

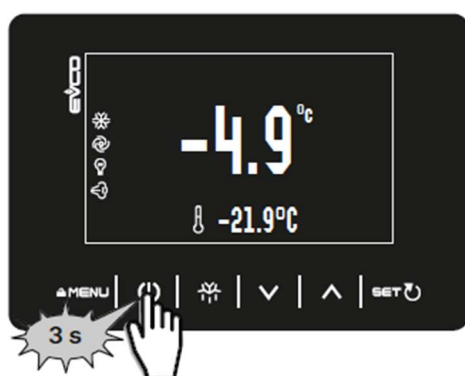
Icons

Icon	ON	Flashing...	OFF...
	Cooling request	Protection delay ON	Compressor OFF
	Defrost active	- Defrost delay ON - Dripping ON	---
	Evaporator fans ON	Evaporator fan activation delay ON	Evaporator fans OFF
	Heating request	---	---
HACCP	HACCP alarm saved	New HACCP alarm	---
	Energy saving ON	---	Energy saving OFF
	Maintenance request	Remote connection	---
C	Temperature displayed in °C	---	---
F	Temperature displayed in °F	---	---
%	Humidity displayed in %	---	---
AUX	- AUX function ON - AUX digital output ON	---	AUX function OFF

	---	Light ON from door switch	Light OFF
	---	Alarm in progress	---
	.Probe value above the setpoint .Probe value below the setpoint	---	---
	Keypad locked	---	---
	Keypad unlocked	---	---
	Door open	Door closed	---

2.2 SWITCHING ON/OFF

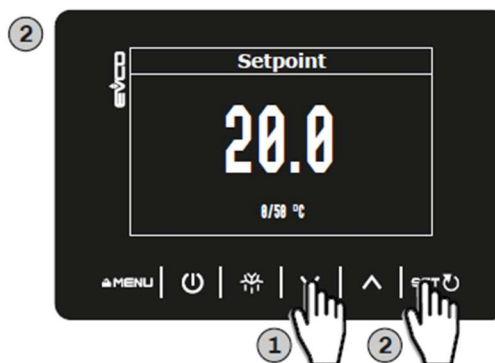
To switch device on/off:



Display when device is OFF

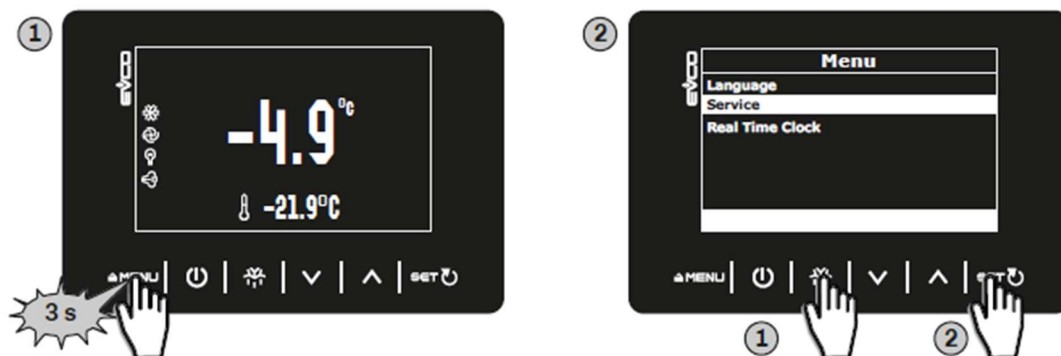
2.3 CHANGING THE SETPOINT

To change the setpoint:

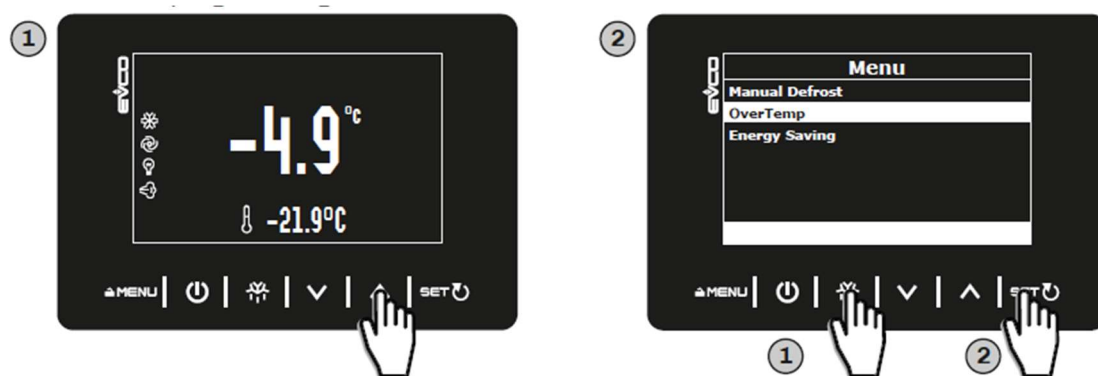


2.4 PROGRAMMING MENU

To access the programming menu:



2.5 MANUAL DEFROST



3. CLEANING AND MAINTENANCE



IMPORTANT

ALWAYS MAKE SURE THAT THE APPLIANCE IS UNPLUGGED AT THE MAINS BEFORE CARRYING OUT ANY CLEANING OR MAINTENANCE OPERATIONS

3.1 ROUTINE OPERATIONS

- Clean the inside of the appliance carefully with warm water and neutral soap. Rinse and dry thoroughly.
- Check that the condensation water drain is free from obstructions: clean if necessary.
- Check cleanliness and condition of the door gaskets.
- Check the state of the power supply cable: it must not have any defects that could compromise its insulation



WARNING!

**AVOID USING AGGRESSIVE DETERGENTS IN GENERAL.
DO NOT USE WIRE PADS, BRUSHES OR METAL SCRAPERS
ON THE STAINLESS STEEL PARTS**

3.2 IDLE TIME

In the event of prolonged idle periods, clean the appliance in the way described above. Leave the doors ajar so that air can circulate and undesirable smells are avoided. Protect the compartment containing the control mechanisms from dust.



WARNING!

DURING CLEANING AND/OR MAINTENANCE OPERATIONS, TAKE GREAT CARE NOT TO DAMAGE THE COOLING FLUID CIRCUIT IN ANY WAY

4. TROUBLE SHOOTING



WARNING!

THE OPERATIONS DESCRIBED ARE THE FULL RESPONSIBILITY OF WHOEVER CARRIES THEM OUT. IT IS COMPULSORY TO EMPLOY AN AUTHORIZED AFTER-SALES SERVICE ORGANIZATION IN POSSESSION OF THE REQUIREMENTS NEEDED TO CARRY OUT OPERATIONS THAT WILL RESTORE THE FUNCTIONS OF THE APPLIANCE

4.1 ALARMS

Code	Description	Cause	Effects	Solution
Pr1	Probe error	. Probe not working . Probe incorrectly connected . Incorrect type of probe	. Code Pr1 displayed . Compressor regulated according to C4 and C5 . Heat regulation suspended	. Check the type of probe (PO) . Check probe wiring . Change type of probe
Pr2			. Code Pr2 displayed	
Pr3			. Code Pr3 displayed . No effect on regulation	
AL	Low temperature alarm Pb1	Temperature Pb1 > A1 for a time equal to A7	. Code AL displayed . No effect on regulation	Wait until the temperature read by Pb1 goes below the alarm threshold (A1-A11)
AH	High temperature alarm Pb1	Temperature Pb1 > A4 for a time equal to A7	. Code AH displayed . No effect on regulation	Wait until the temperature read by Pb1 goes above the alarm threshold (A4+A11)
id	Door open alarm	Digital input activated for longer than i2	. Code id displayed . Regulators blocked depending on the current function in iC1 = 7, 8 or 9	. If i2 = -1 the alarm is disabled; . Check i2 and iP1
COH	Condenser overheat signal	Condenser temperature higher than C6	. Code COH displayed . No effect on regulation	Check C6
CSd	High condensation alarm	Condenser temperature > C7 for a time equal to C8	. Code CSd displayed . Compressor locked	. Switch the device off then on again; . Check C7 and C8
iA	Multi-purpose input alarm	Digital input activated (iC1 = 2) for a time equal to i5	. Code iA displayed . No effect on regulation	Check i5
dFd	Defrost timeout alarm	Defrost terminated due to timeout and not to reaching temperature d2	. Code dFd displayed . No effect on regulation	. Touch any key . Check d2, d3 and d11
HP	Digital pressure switch alarm	Pressure switch alarm activated due to digital pressure switch	. Code HP displayed . Compressor locked . The regulator counts the number of events i8 in the time i6 from the first one	Check and remove the cause of the digital input alarm (automatic reset with i6 = 0)

CtH	Thermal switch 1 alarm	Digital input activated (iC1 = 5)	The regulator counts the number of events i8 in the time i7 from the first one	If i7 = 0 alarm is always automatically reset
rtc	Clock alarm	Clock (RTC) alarm not working	Clock-connected functions not present or not synchronised with the actual time	Set the right time. If the error persists, replace the device (RTC battery dead)
PF	Power failure alarm	Power failure for longer than A10	Code PF recorded in the alarm history	Check the power supply wiring



WARNING!

IN THE EVENT OF PROBLEMS (SMELL OF BURNING, ODD NOISES, ETC.) STOP THE APPLIANCE IMMEDIATELY, UNPLUG FROM THE MAINS AND CALL AN AUTHORIZED AFTER-SALES SERVICE ORGANIZATION

4.2 ANOMALIES

SYMPTOMS	PROBABLE CAUSE	CHECKS
COMPRESSOR NOT STARTING	Compressor protection cutting in	Closely spaced starts do not give the pressure enough time to rebalance:
		Check that the goods have not been placed in the compartment hot or full of water
		Check the state of the gaskets and the number of times the door has been opened
	Electrical problems	The capillary tube is not operating properly: check the loading of the circuit in general and the compressor in particular
		Power supply voltage is outside the admitted range
	Component problems	The compressor terminals are not powered; check the connections and the state of the contacts upstream from the motor
Compressor has mechanical faults		
POOR PERFORMANCE OR OVERHEATING OF COMPRESSOR	Improper use of the appliance	Winding split or burnt
		Type of load: check that the goods have not been placed in the compartment hot or full of water
		Compartment doors: check the state of the gaskets and the number of times the door has been opened
	Fault on the cooling circuit	Incoming air is insufficient; check the flow through the cooler condenser
		The amount of refrigerant is no longer sufficient: check pressure for suction and delivery and look for leaks on the circuit
		Compressor has problems of mechanical output: check pressure for suction and delivery

SYMPTOMS	PROBABLE CAUSE	CHECKS
EXCESS FROST OR ICE ON THE EVAPORATOR	<i>Improper use of the appliance</i>	Type of load: check that the goods have not been placed in the compartment hot or full of water
		Compartment doors: check the state of the gaskets and the number of times the door has been opened
		Consider altering the defrosting cycle to accommodate special needs
WATER OVERFLOWING FROM SELF- EVAPORATING TRAY	<i>Improper use of the appliance</i>	Type of load: check that the goods have not been placed in the compartment hot or full of water
		Compartment doors: check the state of the gaskets and the number of times the door has been opened
	<i>Incorrect installation</i>	The space around the tray is not aired enough
		Check that the appliance is properly levelled
	<i>Component problems</i>	The self-regulating element has short circuited or is burnt