

REFRIGERATED COUNTER INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS



Version: **E28112014Peng**

Models
PN(M)N99
PN(M)N999
PN(M)N9999





Chapter

TABLE OF CONTENTS

Page

1	Introduction	5
2	Recycling the appliance	5
3	Transportation – Positioning – Installation	5
4	Starting up	6
5	Instructions for correct operation	7
6	Temperature regulation	9
7	Defrosting	9
8	Fault codes on the display	10
9	Cleaning	10
10	Turning the appliance off for long periods of time	11
11	Saving energy advices	11
12	Maintenance	13
13	Temperature sensor cover removal	13
14	Thermostat KIOUR-RSD Controller Instructions manual	13
15	Electric diagram for refrigerated counters	18
16	Troubleshooting	19





1

Introduction

Thank you for purchasing this device. Selecting this device, you have chosen all the advantages of refrigeration technology that can guarantee you quality, durability and reliability.

To familiarize yourself with all the features of your new appliance, please read carefully this manual.

We hope you will be satisfied with your new appliance.

Please retain this manual for use and installation. In case the device is sold to another owner, please accompany it with this manual.

2

RECYCLING OF THE APPLIANCE

This appliance is in compliance with the 2002/95/EC, 2003/108/EC (RoHS) and 2002/96/EC (WEEE) directives and all their following amendments.



3

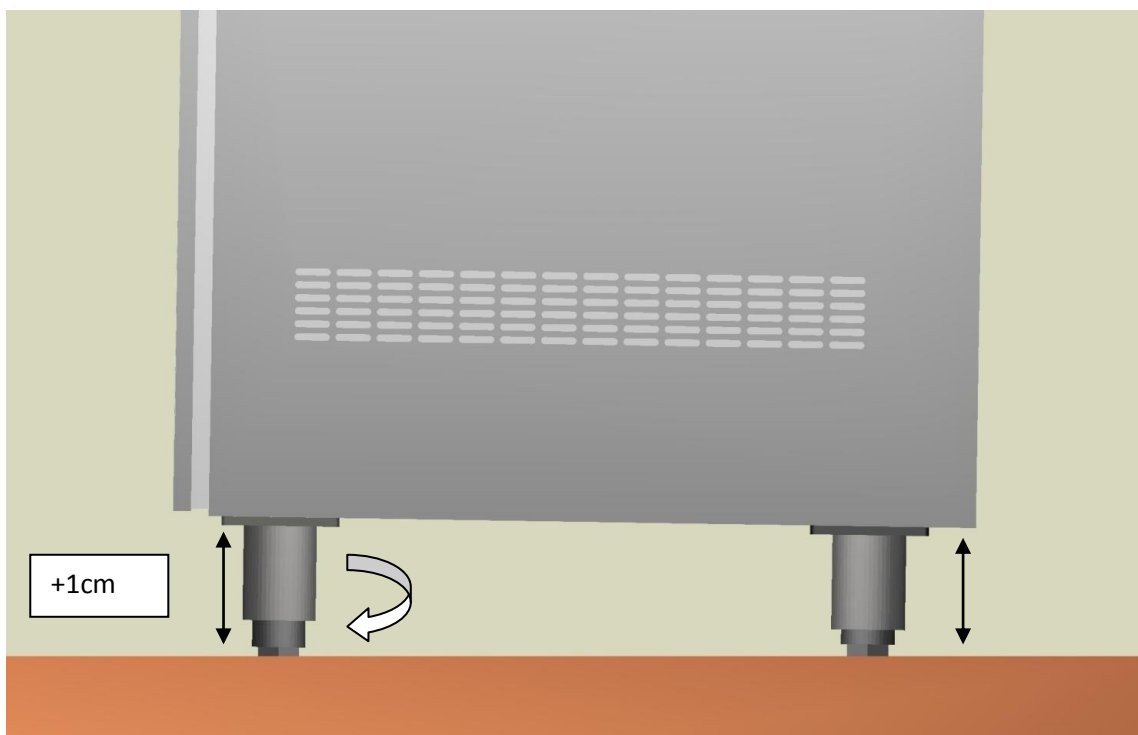
Transportation – Positioning – Installation



During the transportation, installation and handling of the device must be kept in an upright position. Failing to do so, it may cause problems in the operation of the refrigerator.

Remove all packaging. Move carefully the device to its final position.

Adjust the legs so that the front side is approximately 1cm higher from the back to ensure that the doors are closing.





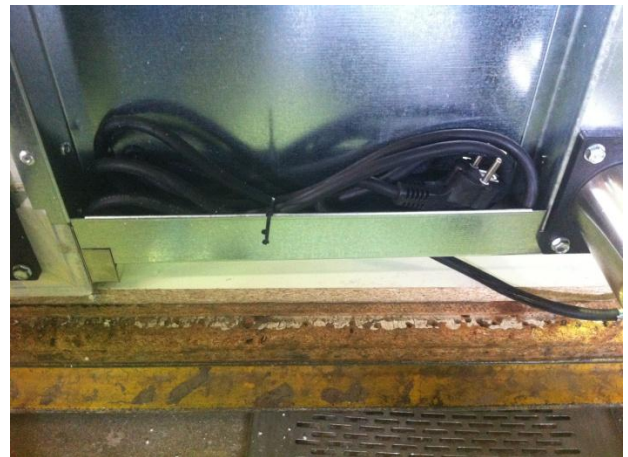
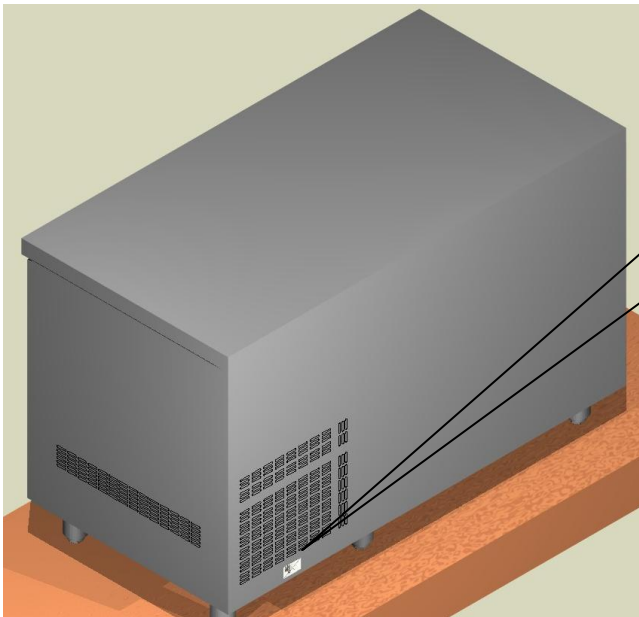
To ensure efficient operation do not place the device near heat sources. The appliance is designed to operate in an ambient temperature of up to 43 °C.

4

Starting Up

The appliance is supplied with a power plug.

The power plug is stored in the back side of the appliance, under the condensing unit. Remove it and connect it to the power socket.



The power socket that your appliance will be connected must be provided with ground.

The thermostat will perform a self check for 4 seconds and will display “oFF”.

Do not touch the display during self test.



Press the on/off switch on the thermostat continuously. The figure that will appear in the display shows the temperature in the cabinet.

The compressor starts after 2 minutes.



Do not store products in the appliance until the appliance reaches the regulated temperature (pag. 9, ch. 6). Do not load your appliance with big quantities of products at once.

5

Instructions for correct operation

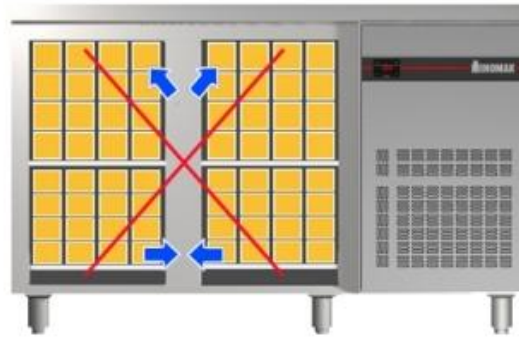
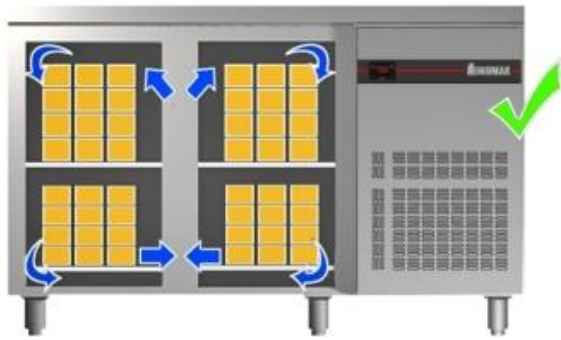
To ensure the correct function of your appliance, please follow the instructions below.



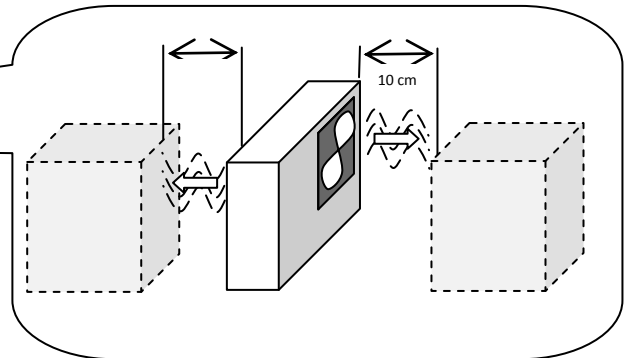
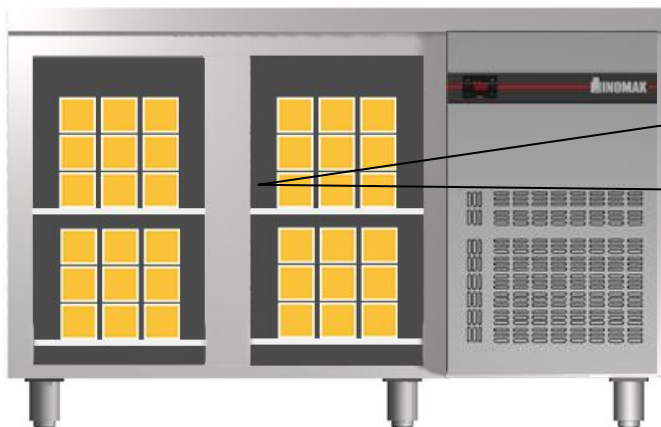
Do not cover the intake air slots when the appliance is working.




Store all products in such way, to avoid blocking the air circulation. Do not store products outside the margins of the shelves.




 **Don't block the evaporator fans. Leave at least 10cm away otherwise the refrigeration in the appliance will be impaired.**



 **Do not store hot food or hot drinks in your appliance.**



 **Cover the food with a plastic wrapper before storing it into the appliance and seal properly products containing or are based on vinegar, lemon, onions or have other acidic fumes.**








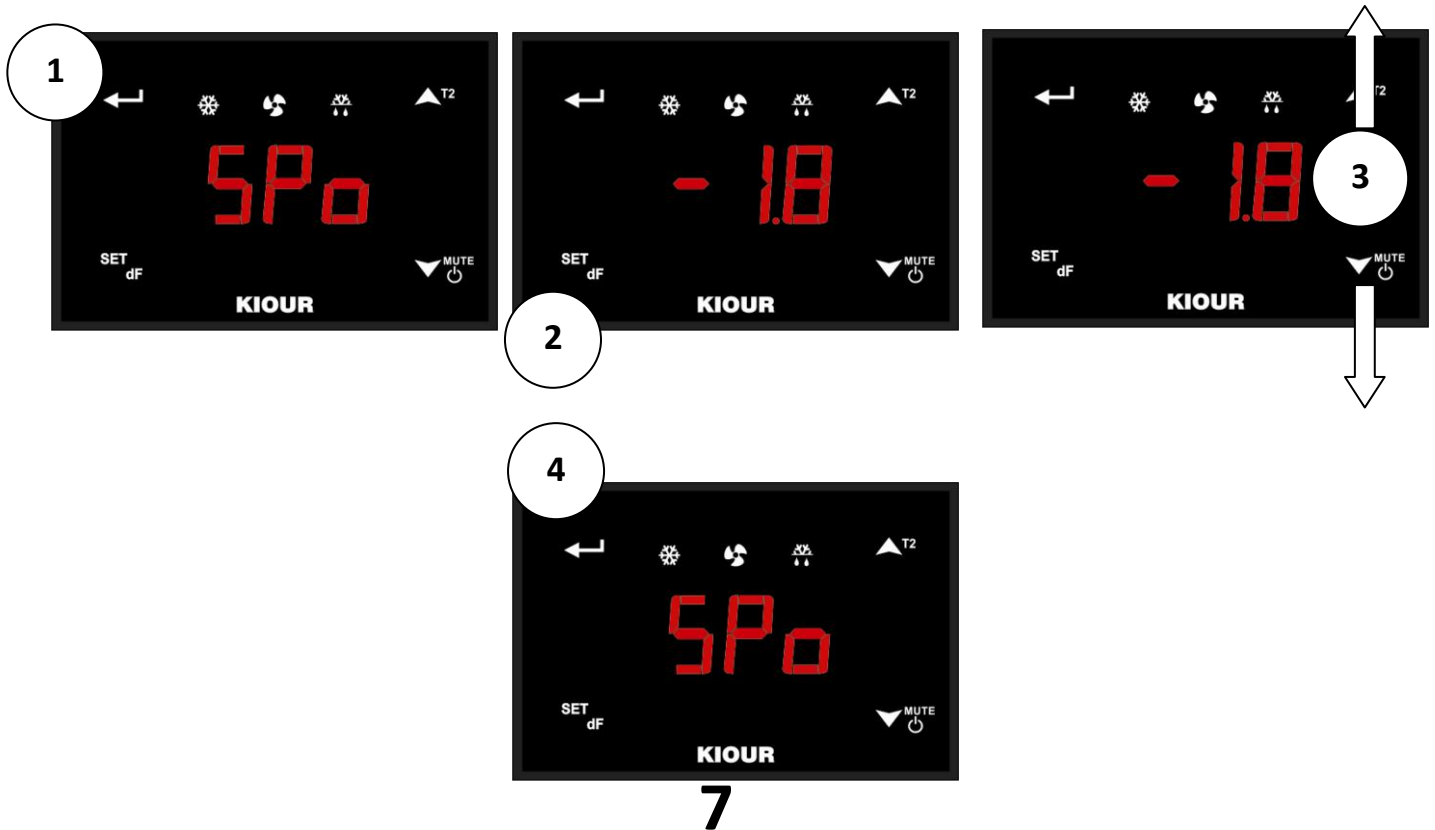
 **Your evaporator is painted with special epoxy anti-corrosion and anti-bacterial coating.**




6

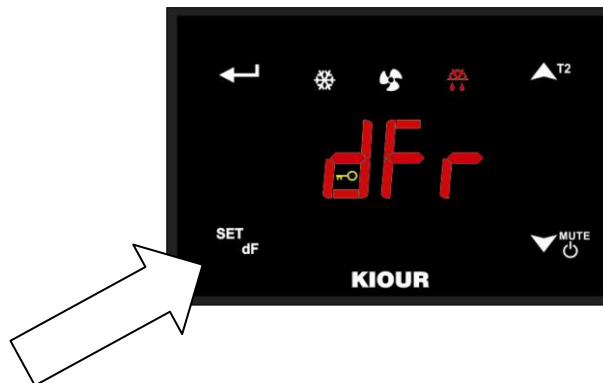
Temperature regulation

Unlock the Thermostat (page 13). Press [] and then [] to see the temperature setting. If you wish to change, press the arrows [] or [] accordingly. To save the new value press again [].



Defrosting

Defrosting is automatically performed every 4 hours so ice is not accumulated on the evaporator. It can also be performed manually by pressing the key [] until "dFr" appears on the display. If the refrigerator is on heavy load conditions (frequent door opening) manual defrosting may become necessary.



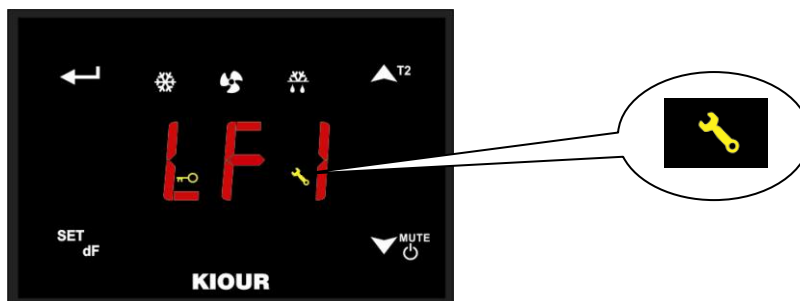
The water from the defrosts evaporated automatically.



8

Fault codes on the display

In all alarms, the alarm code alternating with temperature.



[LF1]: Sensor failure. If the sensor fails, the compressor remains on for 4 minutes and off for 4 minutes. **Technical assistance should be requested.**



[AHi] : High temperature alarm.

[ALo] : Low temperature alarm.

9

Cleaning

Καθαρισμός

Nettoyage

Reinigung



Before cleaning, always disconnect the plug from the electrical supply.



For correct operation and protection of your appliance, frequent cleaning is recommended.

Do not use sharp or other similar objects which may damage your appliance.

Clean the inside and outside surfaces with a mild soap solution.

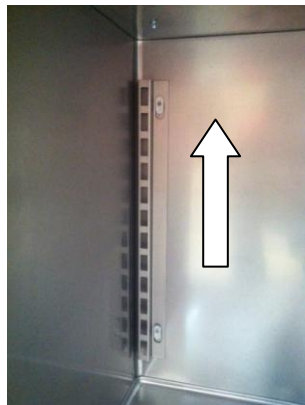


Do not use detergents or substances based on chlorine or acid solvents. These may cause corrosion of stainless steel surfaces or and the copper pipes of the evaporator.

GENERAL CLEANING TIPS

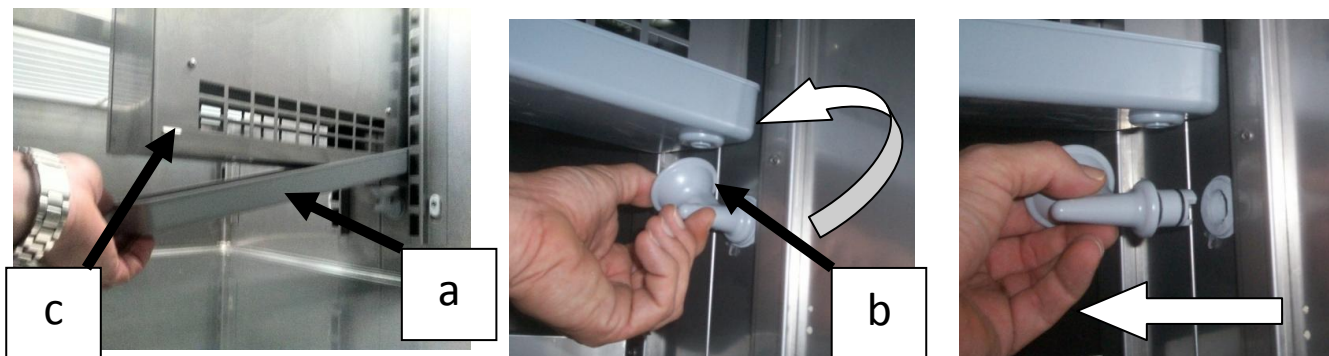
- **Clean the Stainless Steel surfaces with WATER + MILD SOAP!** ✓
- **DO NOT use chlorine based cleaners!** X

For easier cleaning of the interior of the device, you can remove the shelves, the removable guides and removable support bars.

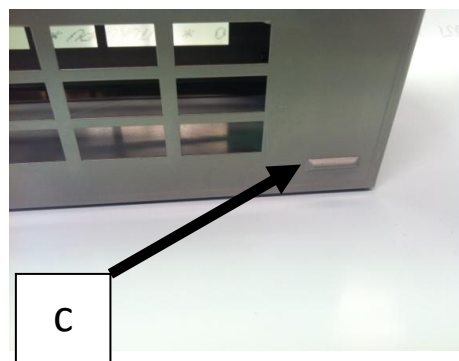
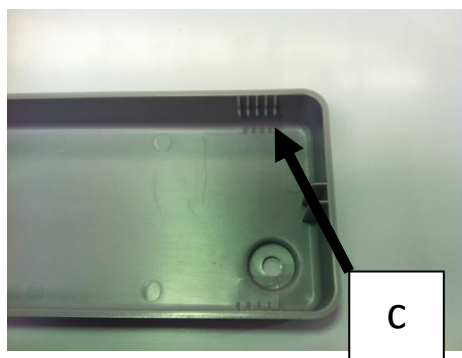




Clean frequently the plastic dip tray (a) of the evaporator and the drain siphon funnel (b) to avoid blockages.



Make sure that the plastic dip tray locks on the evaporator's slots (c) and the hole on the back side.



10

Turning the appliance off for long periods of time

In case turning the appliance off for long periods of time is required:

- Turn the appliance off.
- Disconnect from the electrical supply.
- Empty the appliance and clean it as indicated above.
- Keep the doors open in order to prevent the formation of unpleasant odors.

11

Saving energy advices

Open the appliance's doors according to your needs. Avoid unnecessary use.

Do not place your appliance near heat sources such as radiators, ovens or under direct sunlight.

Do not fill at once your appliance with big quantities of products, because this will increase energy consumption.



12

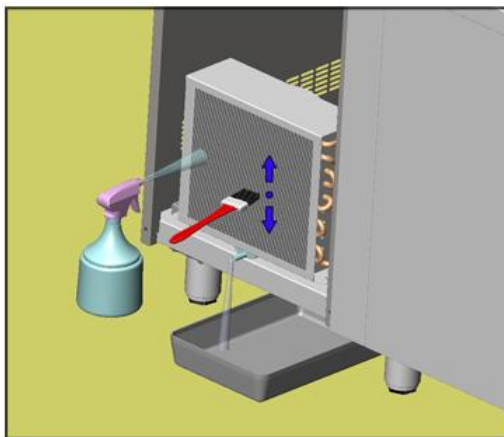
Maintenance



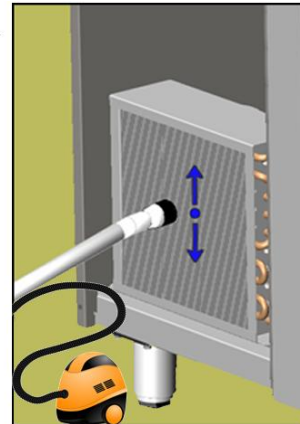
Before maintenance, always disconnect the plug from the electrical supply.



After the first year of service, maintenance should be performed by a qualified technician, who will recommend the maintenance frequency according to the working environment of your appliance.



Method B
Use a vacuum cleaner with a soft brush attachment.



13

TEMPERATURE SENSOR COVER REMOVAL

Pull the sensor out of the cover and turn the cover counter clockwise.



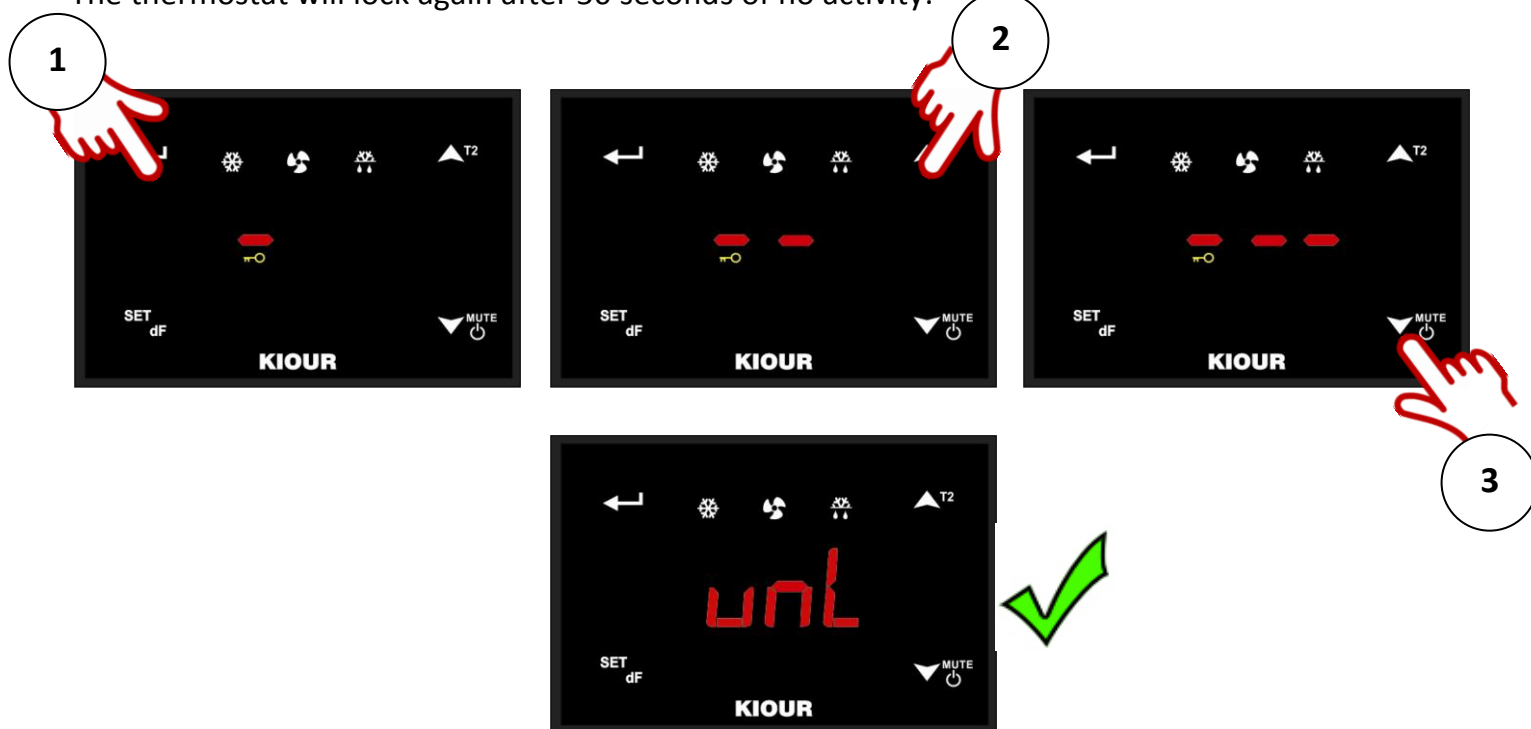
14









Thermostat KIOUR-RSD - Controller Instructions manual

To unlock the thermostat, use only one finger to press the 3 buttons sequentially in the order shown below. After each button press, a corresponding dash will appear in the display. After all 3 dashes are displayed the message "unL" will be displayed.



The thermostat will lock again after 50 seconds of no activity.



1	Press []. The first parameter (SPo) shows up. Scroll the parameter list by pressing key [] or []. To change the parameter value press [].
2	To exit the parameter menu press [].
3	On/off switch: Press [] continuously to switch the device off.
4	Mute []: In case of temperature alarm situation, press to deactivate.
5	Defrost: Press key [] continuously to start a manual defrost cycle.





THERMOSTAT
INDICATIONS

ΕΝΔΕΙΞΕΙΣ
ΘΕΡΜΟΣΤΑΤΗ

INDICATIONS DU
THERMOSTAT

ANZEIGE DES
TEMPERATURREGLEERS



The refrigerator is in standby mode.



The compressor is running.



The evaporator fan is running.



The refrigerator is defrosting.



Room sensor failure. **Technical assistance should be requested.**



Thermostat locked.



Door Alarm **Technical assistance should be requested.**





(flashing) High temperature Alarm



(flashing) Low temperature Alarm



Memory fault.

Press buttons [] + [] simultaneously.

Set the thermostat's parameters as described in the parameters table.



In case of temperature alarm, press the [] button. The buzzer will mute but the alarm message will continue flashing.

PARAMETERS TABLE

	Code	Description	Max. Min.	Set.
1	SPo	Temperature setpoint	SLo . . . SHi	0.0
2	ALo	Low temperature alarm	-50...AH	-4.0
3	AHi	High temperature alarm	AL...+150	12.0
4	dFr	Defrost repetition time per 24h	0 . . . 12	6
5	Cod	Access code		22
6	diF	Thermostat delay	0.1 . . 25.0 °C	3,0
7	CfA	Compressor control for sensor fault	0= 40%: 3 min on & 4 min off, 1=100%: compressor on	0
8	Crt	Minimum compressor off time	0 . . . 4 min	2



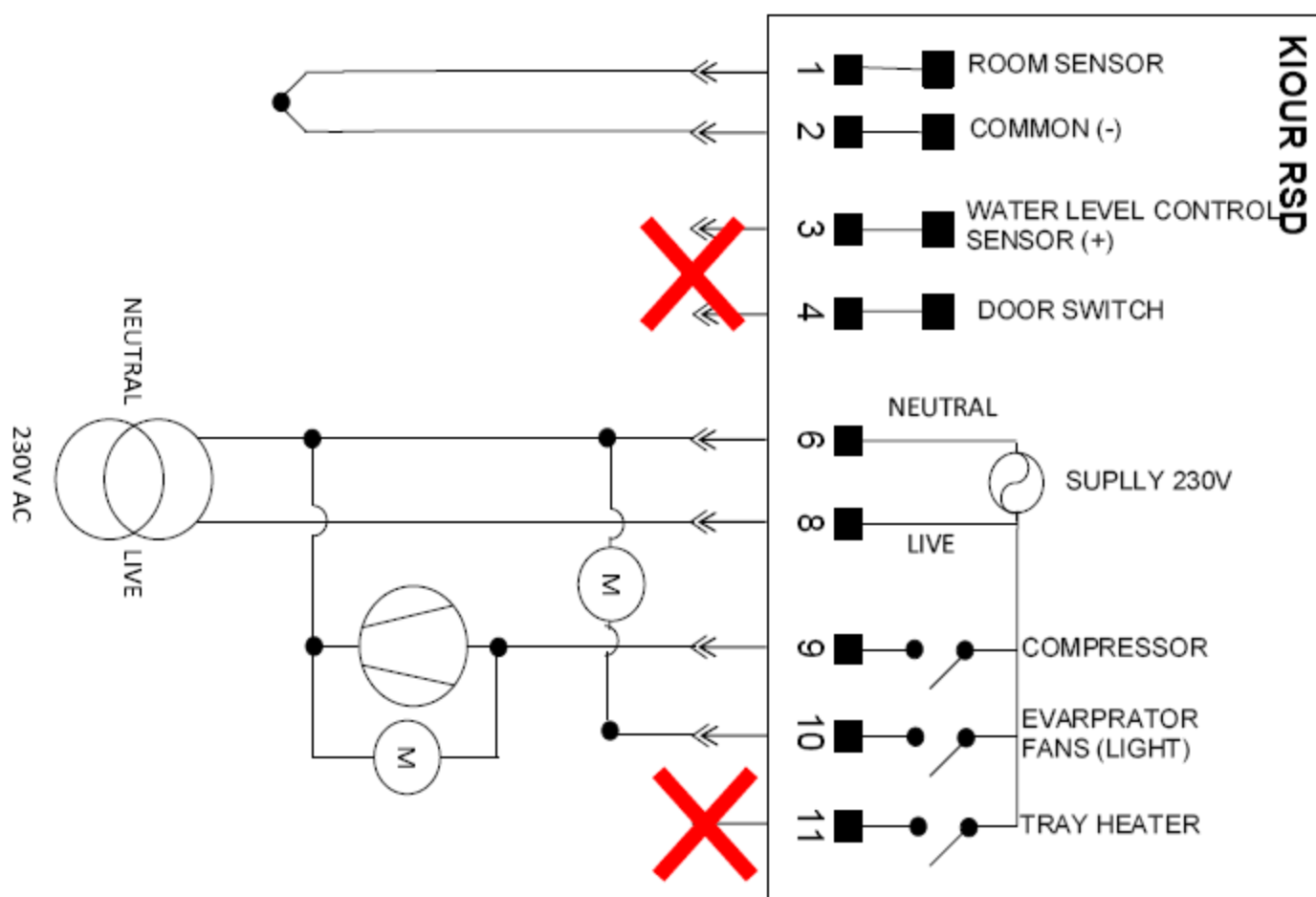
9	dti	Defrost maximum duration	1 . . . 90 min	12
10	dLE	Defrost maximum temperature	0.0 . . . 25 °C	10
11	doP	Defrost type	-----	-----
12	dri	Dripping time	0 . . . 10 min	0
13	tdF	Defrost display time	0 . . . 99 min	20
14	AJ1	Probe T1 offset	-9 . . +15 °C	
15	AJ2	-----	-----	-----
16	tSd	Display slowdown	0 . . . 20 sec	0
17	F_C	Measurement Unit	0 = °C, 1 = °F	0
18	BrA	-----	-----	-----
19	trE	Responce time on network (mSec)	5 . . .100 msec	20
20	FFu	Evaporator Fan control	0 = start/stop with compressor, 1 = always On	1
21	Ufu	Serial output	0=connection with network 1=connect with external alarm (when "add=0" Uf automatically = 0	0
22	SLo	Minimum temperature setting	-50 . . .SHi °C	-2.0
23	SHi	Maximum temperature setting	SLo . +150 °C	8.0
24	Odo	Door alarm activation	0=off 1=on (NO) 2=on (NC)	0
25	At2	Alarm delay after defrost	0...120 min	20
26	U3	-----	-----	-----
27	U4	-----	-----	-----
28	U5	-----	-----	-----
29	Add	Network adress	0 . . .250	0



15

Electric diagram for refrigerated counters (KIOUR RSD)

1	TEMPERATURE PROBE
2	COMMON / (-) blue cable
6	LIVE
8	NEUTRAL
9	COMPRESSOR
10	EVAPORATOR FANS





16

Troubleshooting

Troubleshooting		
Malfunction	Possible cause	Solution
The appliance does not cool	There is ice accumulation in the evaporator.	See “Ice in the evaporator” below.
	The stocked products are obstructing the air flow.	Remove the products which obstruct the air flow of the evaporator.
	The ambient temperature is very high.	Improve the temperature condition of the room.
Ice in the evaporator	The temperature adjustment is very low.	Check the temperature adjustment. Increase the temperature setting.
	High humidity environment.	Improve the environment condition. Increase the defrost frequency.
	Humid products have been placed in the refrigerator (ex. Vegetables).	Cover the food with a plastic film before storing it in the refrigerator. Increase the defrost frequency and duration.
	The doors are opened frequently and for a long time.	Minimize the time the doors remain open
Water in the appliance	The drainage pipe is blocked.	Clean the drainage pipe and the drain siphon funnel.

In case of malfunction, contact the distributor of our company describing the problem, denoting the model and the serial number (S/N) of your appliance.

The identification tag bearing the technical characteristics of the device is located on the right wall, inside the refrigerator chamber.



MODEL ΜΟΝΤΕΛΟ	SAFETY FUSE ΑΣΦΑΛΕΙΑ ΔΙΚΤΥΟΥ MECHE DE SURETE SCHMELZSICHE RUNG	VOLTAGE, FREQUENCY ΤΑΣΗ ΚΑΙ ΣΥΧΝΟΤΗΤΑ BETRIEBSTEMPE	WORKING TEMPERATURE ΘΕΡΜΟΚΡΑΣΙΑ ΛΕΙΤΟΥΡΓΙΑΣ TEMPERATURE DE FONCTIONNEMENT BETRIEBSTEMPE RATURE	BARCODE
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