



Instruction Manual

Glass Door Reach-Ins

Models: GF1R-1
GF2R-1
G1R-1
G2R-1



SUPERA Customer Care Toll-Free Service Line:
1-866-953-3288

For additional product and warranty
information, please visit our website at
www.SuperaCo.com

Contents

1. Preface	3
2. Use of the Equipment	3
3. Technical Features	4
4. Operation	4
5. Control Unit.....	4
6. Handling	5
7. Installation Procedure.....	5
8. Connecting to the Main Power Supply	5
9. Maintenance Instructions	6
10. Troubleshooting.....	7
11. Technical service	7
12. Configuration Sketch Map	7
Operating Instructions	8
Technical Parameters.....	11
Offical Approval and Rules.....	12

1. Preface

This Instruction manual provides all the necessary information regarding:

- Use of the refrigerator
- Technical specifications
- Installation and handling
- Operator procedures and instructions maintenance operation

The manual is to be considered an integral part of the refrigerator and should be stored in a safe place for further consult to permit a good working life of the refrigerator.

ATTENTION

The manufacturer cannot be held liable in the following cases:

- Improper installation (not in accordance with the guidelines indicated in this manual)
- Misuse of the refrigerator
- Power supply defects
- Improper or inadequate maintenance
- Unauthorized modification or tampering
- Use of non-original spare parts
- Partial or total failure to comply with the instructions

All electrical equipment can be hazardous to health. Current standards and legal requirements must be complied with during the installation and use of any equipment.

2. Use of the Equipment

The refrigerators are for preserving fresh perishable foods, with a built-in refrigerated unit.

The operating temperature for refrigeration is:

- between +2°C and +10°C at room temperature of +32°C an 60%RD.

The operating temperature for frozen food maintenance is:

- between -6°C and -18°C at room temperature of +32°C an 60% RD.

3. Technical Features

The refrigerator is a ventilated system, the evaporator is in a separate insulated box on the top. All the materials used in the manufacturing of this unit are guaranteed to be suitable for use with perishable foods. The gases used in the refrigerators are R-134a; in the refrigerator for frozen food maintenance is R-404a.

The refrigerating circuit is in compliance with the current normative.

4. Operation

The gas in the refrigerating circuit is first compressed, liquefied and then evaporated in the ventilated evaporator, situated on the top of the container.

This cycle involves the absorption of heat from the air in the refrigerator compartment and is then cooled. The heat produced is then dissipated to the outside environment by a condenser unit located on the top of the refrigerator.

5. Control Unit

The refrigerator responds to commands from a "digital control unit" and a "main switch pilot light" in the top panel of the refrigerator.

The "main switch pilot light" is for turning on the power supply.

The red pilot light comes on to indicate that the unit is connected to the main electricity and to start work.

The red pilot light comes off to indicate that the unit is disconnected and doesn't work. The "digital control unit" is for the regulation of all parameters to provide the correct working of the refrigerator. Please consult all parameters in the attachment manual of the "digital control unit".

This manual is part of the instruction manual and is very important in case of service.

Applied refrigerant belongs to non-flammable refrigerant.

6. Handling

The refrigerator will arrive in PET film and packed in cardboard box on a wood pallet.

The refrigerator must be transported and handled with care to avoid posing a hazard to persons or property.



Never place a refrigerator with an in-built refrigerated unit on its side or turn it upside down.

This may damage or impair operation of the refrigerated unit. We cannot be held liable for any damage or defects arising directly or indirectly from improper handling of the equipment or non-compliance with the safeguards illustrated above.

7. Installation Procedure

Install the unit in the best ventilated part of the room. **Don't install the refrigerator near a direct heat source.**

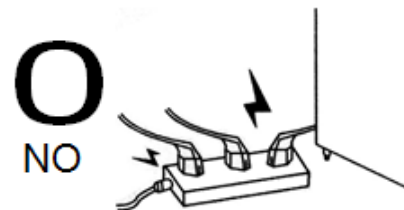
- Remove the straps securing the cardboard packing Remove the cardboard covering.
- Remove the PET protection film.
- Clean the refrigerator with mild detergent and then dry it with a soft cloth.

8. Connecting to the Main Power Supply

This operation must be carried out by qualified professionals.

The refrigerators are supplied complete with a power supply cable for the connection to the main power supply. A thermomagnetic circuit breaker (not supplied) must be installed between the main power point and the power supply cable of the refrigerator.

Before proceeding make sure that:



The main voltage corresponds to the voltage on the refrigerator 220V/50Hz/1 Ph;
To ensure proper operation it is essential for the power supply voltage to come within a range of +/- 6% of the unit's rated voltage. The electric system to which the refrigerator is sized to cater for the rated electric output of the buffet unit being installed. The electronic system to which the refrigerator is connected is made in compliance with current standard requirements. The electric connections and the installation of the thermomagnetic circuit breaker have been done by qualified person.

Connecting steps:

- Install a thermomagnetic circuit breaker suited to the rated output of the unit being installed
- Connect the refrigerator unit to the thermomagnetic circuit breaker outlet
- Check that the refrigerator is in order as demonstrated by the pilot light incorporated in the main switch coming on

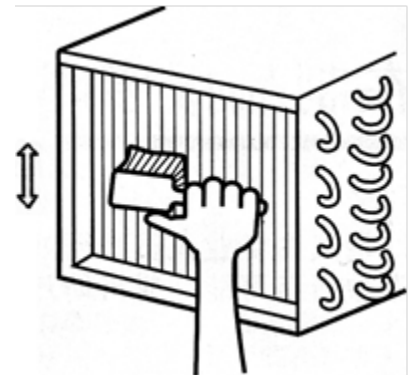
9. Maintenance Instructions

The smooth operation and life of the equipment are mainly determined by correct and regular maintenance.

Cleaning:

Regular cleaning of the refrigerator unit is strongly recommended each month. Please follow the instructions below.

- Disconnect the refrigerator power supply cable from the main prior to carrying out any type of cleaning operation.
- **Cleaning the refrigerator surface:** Clean the refrigerator with mild detergent and then dry it with a soft cloth. **Do not use abrasive detergents!**
- **Cleaning the inside of the refrigerator:** Clean the inside area each month with a food safe detergent
- **Cleaning the condenser:** For an efficient operation of the refrigerator it is advisable to clean the condenser regularly approximately every 4 months with a dry brush or vacuum cleaner.



10. Troubleshooting

Refrigerator stops working (light off):

- Power supply failure

Remedies:

- Check that the plug is inserted properly in the socket
- Check that the switch on/off
- Check that the mains voltage powers the plug

Refrigerator temperature go up:

- Unit too near to a heat source Condenser dirty or close

Remedies:

- Move the counter or the heat source further away
- Clean the condenser

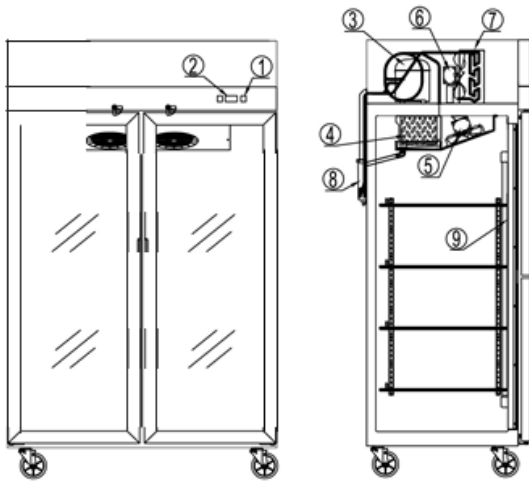
When replacing the lamp: Please turn off the power, remove the screw off the lampshade with a screwdriver and replace the broken bulb with a new one which applies the same electrical parameter.

11. Technical service

For technical service please contact the dealers technical department. Please provide the serial number on the unit and the date of purchase.

12. Configuration Sketch Map

T Series Reach-Ins



- 1. Power switch
- 4. Evaporator
- 7. Condenser

- 2. Microcomputer controller
- 5. Evaporator fan
- 8. Downcomer for condensing water

- 3. Compressor
- 6. Condenser fan
- 9. Lamp

Operating Instructions

1. New upright air-cooling refrigerator should be opened and ventilated it before it is in use. After that, users should use warm water to clean the inside.
2. After connecting the power supply, press the "POWER" switch on the controller keyboard (Green Indicator Light ON), the fridge will begin to work. The microcomputer controller, installed in the controller keyboard, will automatically adjust the temperature ranges. This intelligent digital controller works as: if the temperature increases and reaches set point plus differential the compressor is started and then turned off when the temperature reaches the set point value again.
3. Microcomputer Controller Operation Instruction:
4. Microcomputer panel sketch map, meanings of running indicator light and LED showing.



5. **SET** To display target set point, in programming mode it selects a parameter or confirm an operation.



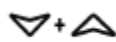
To start a manual defrost.



In programming mode it browse the parameter codes of increased the displayed value.



AUX In programming mode it browses the parameter codes or decreases the displayed value.






To lock or unlock the keyboard.



To enter in program mode.





To return to room temperature display.

LED	MODE	SIGNIFICATO
	On	Compressor enabled
	Flashing	Anti short cycle delay enabled (AC parameter)
	On	Defrost in progress
	Flashing	Dripping in progress
	On	Fans output enabled
	Flashing	Fans delay after defrost
°C	On	Measurement unit
	Flashing	Programming mode
°F	On	Measurement unit
	Flashing	Programming mode


6. How to set the point:

- Push and immediately release the SET key, the set point will be showed;
- Push and immediately release the SET key or wait about 5 seconds to return to normal visualization.





7. How to change the setpoint :

- Push the SET key for more than 2 seconds to change the Set point value; The value of the set point will be displayed and the "°C" or "°F" LED starts blinking;
- To change the Set value push the  or  AUX arrows.
- To memorize the new set point value push the SET key again or wait 10 second

8. How to start a manual defrost:



- Push the DEF  key for more than 2 seconds and a manual defrost will start.

9. How to change a parameter value:


- To change the parameter's value operate as follows:
- Enter the Programming mode by pressing the **SET+**  keys for 3s ("°C" or "°F" LED starts blinking).
- Select the required parameter
- Press the "SET" key to display its value
- Use  or  AUX to change its value
- Press "SET" to store the new value and move to the following parameter
- To exit: Press **SET+**  or wait 15 seconds without pressing a key

NOTE: The set value is stored even when the procedure is exited by waiting for the time-out to expire.

10. To lock the keyboard:

- Keep the  +  keys pressed for more than 3 seconds
- The "OF" message will be displayed and the keyboard will be locked. If a key is pressed more than 3 seconds the "OF" message will be displayed.

11. To unlock the keyboard .

- Keep pressed together for more than 3s
- The  + A keys till the "on" message will be displayed .

12. Alarm Signaling

Mess.	Cause	Outputs
"P1"	Room probe failure	Compressor output according to "Cy" e "Cn"
"P2"	Evaporator probe failure	Defrost end is timed
"HA"	Maximum temperature alarm	Outputs unchanged
"LA"	Minimum temperature alarm	Outputs unchanged
"EA"	External alarm	Outputs unchanged
"Ca"	Serious external alarm	All outputs OFF
"dA"	Door Open	Compressor and fans restarts

Our products have been modified precisely before leaving the factory, so to avoid damaging the compressor unit or other malfunctions, users should not modify the microcomputer parameters privately.

Technical Parameters

Supera Glass Door Reach-Ins

Product Name	Model Code	Prevention class of getting an electrical shock	Power source (V) Rating Frequency (Hz)	Rated current (A)	Temperature Range (°F)	Refrigerant	Dimensions (in)	Net weight (lb)
Single-Door Freezer	GF1R-1	I	110/60	3	-8°F ~ -1°F	R404a	28.74" x 33.27" x 83.86"	253.53
Two-Door Freezer	GF2R-1	I	110/61	4	-8°F ~ -1°F	R404a	51.73" x 33.27" x 83.86"	440.93
Single-Door Refrigerator	G1R-1	I	110/62	2.3	34°F ~ 46°F	R134a	28.74" x 33.27" x 83.86"	253.53
Two-Door Refrigerator	G2R-1	I	110/63	2.8	34°F ~ 46°F	R134a	51.73" x 33.27" x 83.86"	440.93

Official Approval and Rules

Our products full fill the present E.U. rules, including the CE mark of the European official approval

89/336/EEC including amendments-electromagnetic compatibility (EMC)

73/23/EEC including amendments-low voitage (LVD)

EN 60335-1:2005

EN 60335-2-24:2004

EN 55014-1:2003

EN 55014-2:2002

EN 61000-3-2:2001

EN 6100-3-3:2002

Serial № C003-106-076



A product with the **SUPERA** name incorporates the best in durability and low maintenance. We recognize, however, that replacement parts and occasional professional service may be necessary to extend the life of this unit. When service is needed, contact a **SUPERA** Authorized Service Agency, or your dealer. To avoid confusion, always refer to the model number, serial number, and type of unit.

Supera Customer Care Toll-Free Service Line:

1-866-953-3288

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