USER GUIDE

PLEASE READ AND KEEP THESE INSTRUCTIONS

Control Pharmacy Refrigerator

Part No: 083506200 Date: 10/11/2015

www.lec-medical.co.uk

CONTACT US

You can contact us about your appliance by

Customer Care	Spares and After Sales Service
0344 815 3742	0344 815 3755
sales@gdpa.co.uk	info@gdpa.com

For general information:
www.lec-medical.co.uk

To register your appliance online, please visit:
www.lecmedical.co.uk/register5

Calls are charged at the basic rate, please check with your telephone service provider for exact charges

Lec Medical part of Glen Dimplex Home Appliances, Stoney Lane, Prescot, Merseyside, L35 2XW

SAFETY

Disposal of old appliances
Before disposing of an old appliance, make sure that you have broken off, or disabled any locking mechanisms to prevent children becoming accidentally locked inside. Remove any plugs and power leads to ensure that the appliance is inoperative.



Please note: This symbol means that products bearing it may not be disposed of with household waste.

The refrigeration system contains insulating gases and refrigerant which will require specialist disposal. Most components can be recycled. Always contact your local council or authority for information regarding the correct disposal/removal of old appliances, do not dispose of with household waste.

WARNING: When disposing of an old appliance make sure that the pipe work does not become damaged.

Packaging
All of the packaging supplied with your appliance can be recycled, or disposed of without any harm to the environment.

Cardboard may be crushed, or cut into smaller pieces if required for recycling or disposal. The polythene and polystyrene included contain no CFC's , and are environmentally friendly.
For further information on recycling, contact your local council or authority.

- Before installing and using your new appliance. Read through the instructions supplied with your appliance - failure to install or use this appliance in accordance with the instruction book may invalidate any warranty.
- The manufacturer does not accept any liability for damage caused through improper use, or incorrect installation.
- Do not install this appliance if it has been damaged during transportation. This includes the plug and power supply cord.
- Always install this appliance in line with these instructions.
- Always read these instructions fully before using the appliance for the first time.

WARNING:

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not allow the refrigerant circuit to become damaged while using or installing. Should it become damaged, do not use the appliance until you are instructed to do so by a service engineer [Refrigerant can ig-

nite, cause damage to the eye when leaking and may cause asphyxiation in high concentrations].

- Always remember to unplug the appliance before cleaning. When disconnecting from the electricity supply, pull the plug, not the power cord.
- Do not use any electrical appliance inside the food storage area - unless they are recommended by the manufacturer.
- All electrical repairs must be carried out by a qualified electrician. Inadequate repairs may result in a major source of danger for the user and invalidate any warranty.
- Never store anything dangerous inside the appliance, such as combustibles, explosives, strong acid and alkali etc..
- Never store alcohol in a freezer.
- Always keep any ventilation openings clear of obstruction. Should they become blocked, clear them straight away.
- Do not allow children to play, sit or hang onto any part of the appliance.
- Make sure that the plug is in an accessible place when installation is complete and remove all packaging.
- Refrigerating appliances might not operate consistently when sited for an extended period of time below the cold end of the range of temperatures of the appliance.
- This appliance is intended to be used in these and similar types of environments - household, staff kitchen areas in shops, offices, farm houses, by clients in hotels/motels, bed and breakfast, catering/ non-retail.

TECHNICAL DATA

Technical data

Model	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	Refriger-ant Type	Ambient/ room working tempera-ture	No. of shelves	Door Type
PSRC151	845	595	635	37	R600a	+10°C to +32°C	3	Solid
PGRC151				42				Glass
PSRC273	1565		670	60			5	Solid
PGRC273			660	68.5				Glass
PSRC353	1860		670	69			6	Solid
PGRC353			660	79				Glass

This refrigerator has been designed and built with the intention of the product being used within a Pharmacy and is designed to store contents between +2°C to +8°C.

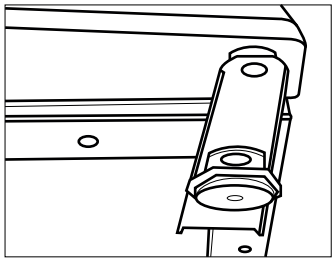
REVERSING THE DOOR

Reversing the door*

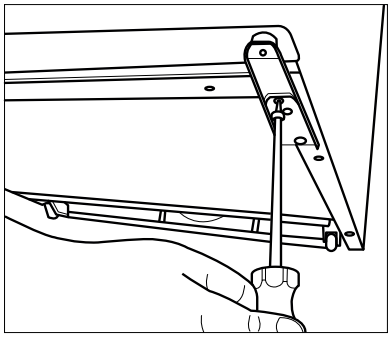
In order to reverse the door, please follow the below instructions. This should be carried out by two people for safety purposes.

Before starting, tilt the refrigerator backwards by 45° and lean on a vertical, hard surface such as a wall.

1. Remove the feet from the bottom, right hand hinge.



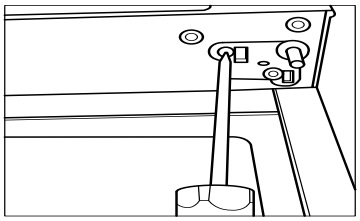
2. Remove the screws from the hinge and remove hinge.



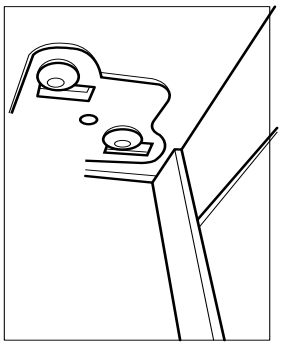
3. Pull the door from the bottom to remove from the refrigerator.

*Only applies to 151 models

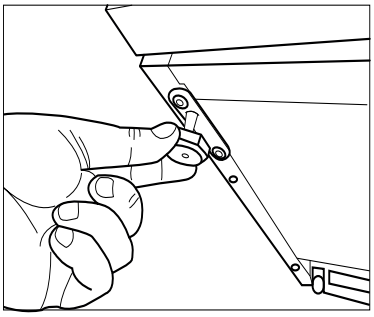
4. Remove the top, right hand hinge.

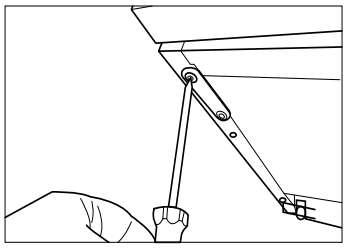


5. Install the hinge on the top, left hand side.

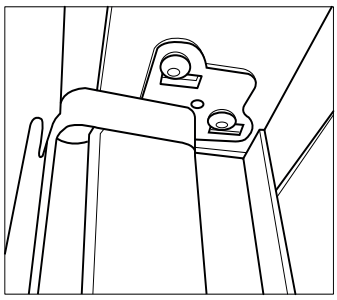


6. Remove the bottom, left hand feet and base plate.

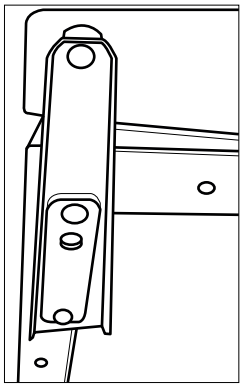




7. Insert the door into the top, left hand hinge.



8. Install the bottom, left hand hinge and screw in the feet.



9. Add the feet and base plate to the bottom, right hand side.

10. Remove the caps from the screws holding the handle in position.

11. Remove the handle screws.

12. Remove the caps on the opposite side of the door.

13. Screw the handle into position and add the caps to cover the screws.

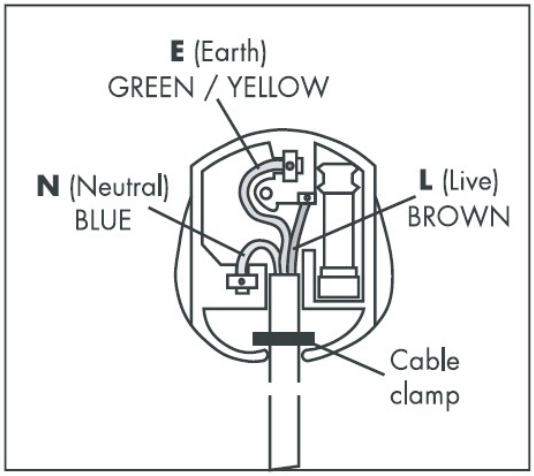
ELECTRICAL CONNECTION

Electrical connection

The appliance is intended for connection to alternating current. The connection values for voltage (V) and frequency (Hz) are declared on the name plate in the cabinet. Power must be connected via a wall socket with a switch. It is strongly recommended that the wall socket is easily accessible. All earthing requirements stipulated by the local electricity authority. The cabinet plug and wall socket should give correct earthing. If in doubt, contact your local supplier or an authorised electrician.
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARNING: THIS APPLIANCE MUST BE EARTHED

The flexible cord (mains lead) fitted to this appliance has three cores for use with a 3-pin 13 amp plug. If a BS 1363 (13-amp) fused plug is used it should be fitted with a 13-amp fuse.

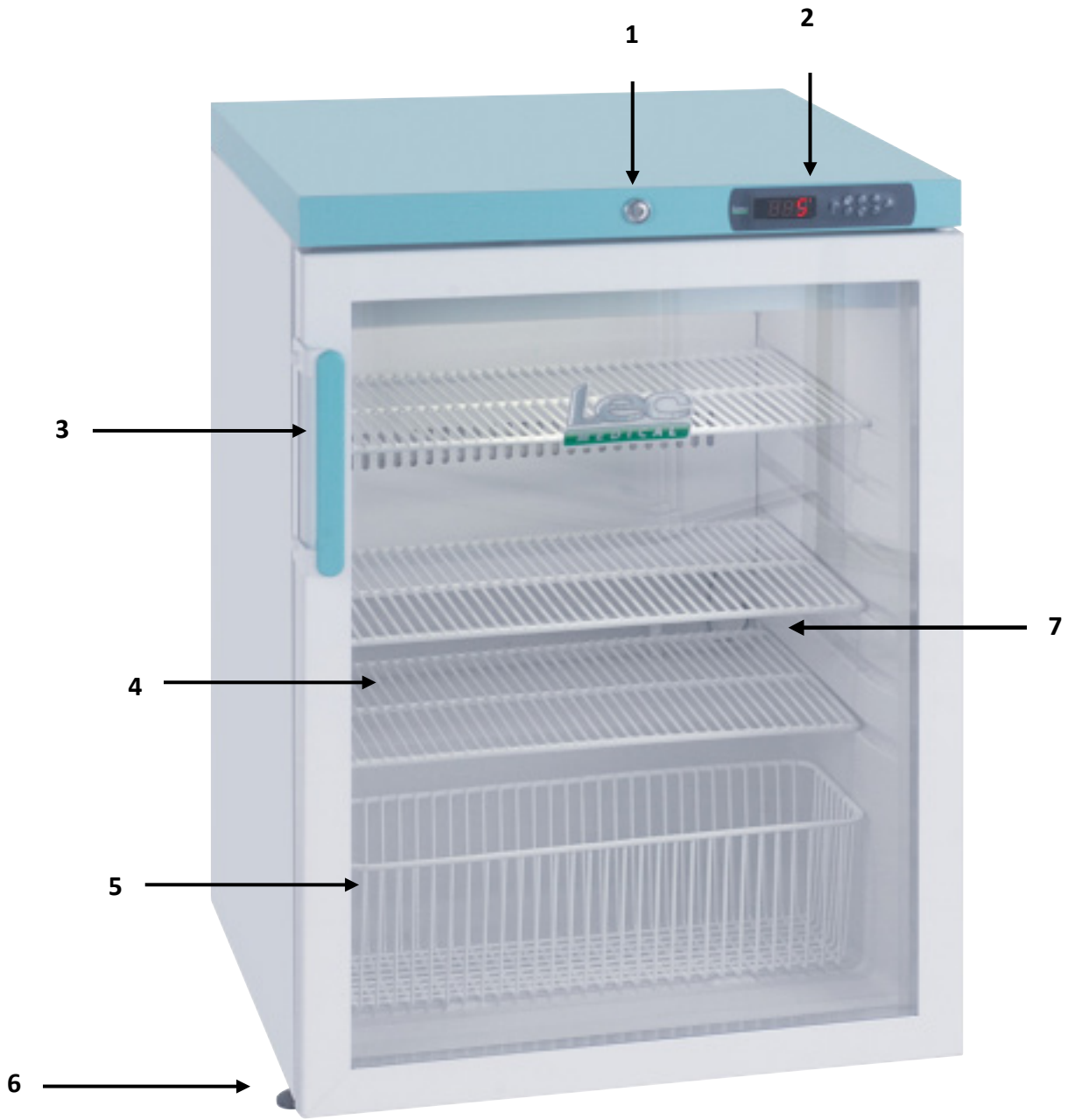


The wires in the mains lead are coloured in accordance with the following code:

Green and Yellow = Earth
Blue = Neutral
Brown = Live

Note:
First Connection to the mains;
The appliance provides information about the higher temperature (Hi alarm) until the appliance reaches a temperature below the high alarm limit.
The alarm is signalised by a sound signal and "Hi" caption on the display. To cancel the alarm, press the mute button (6).
Until the moment of cooling, the alarm is repeated every 15 minutes. Such an operating mode is normal until the required temperature settings are reached.

USING YOUR PRODUCT

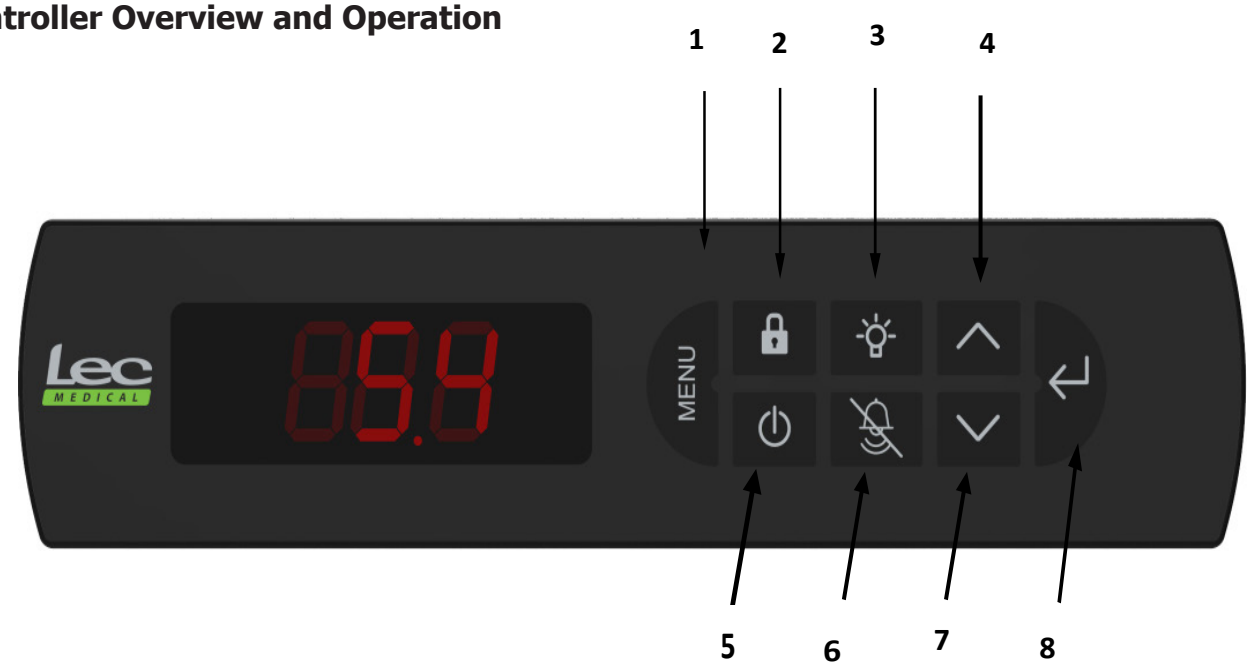


1.	Lock
2.	Electronic Controller
3.	Antimicrobial handle
4.	Wire Shelf
5.	Wire Basket
6.	Adjustable feet (depending on the model, your appliance will have one or two feet)
7.	Bottle and probe assembly

There are also 2 roller castors at the rear of the appliance to ease product movement.

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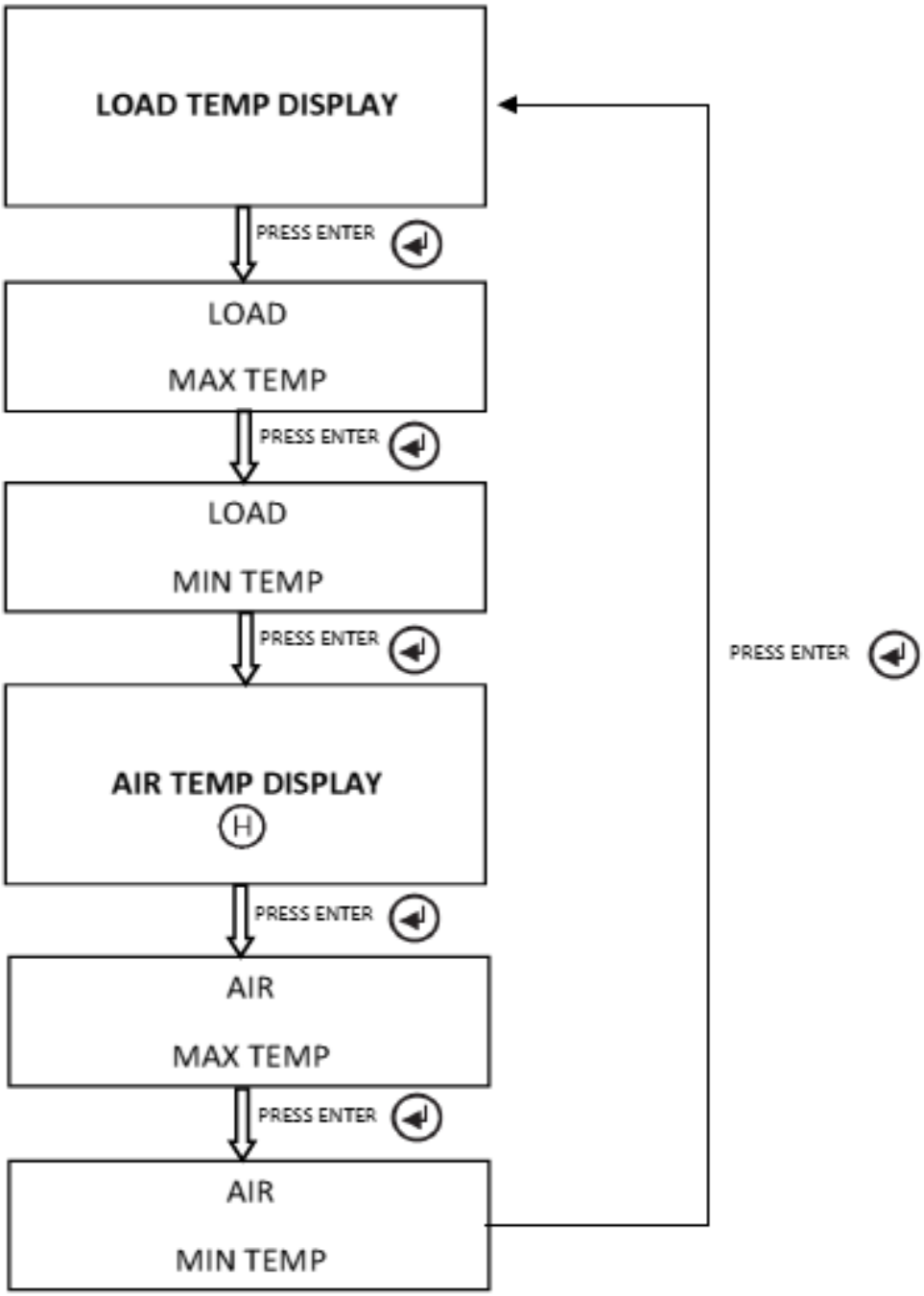
Controller Overview and Operation



1.	Menu
2.	Lock keypad
3.	Light (not available on all models)
4.	Maximum temperature / Up
5.	Power
6.	Mute
7.	Minimum temperature / Down
8.	Set / Enter

USING YOUR PRODUCT

Default Display
When no icon is displayed, then default display is LOAD temp. When Ⓗ icon is displayed, then default is AIR temp.



1. When min/max air temp is displayed, temperature will be displayed for 10 seconds before returning back to previous default display.
2. To reset the min and max of either probe, press enter until required temperature is displayed and press the up and down arrows for 3 seconds.
3. High and low alarm temperature are based on AIR temperature. During alarm the display will show this temperature flashing to indicate a fault.
4. Ensure re-set is carried out with both LOAD and AIR temps within specification.

USING YOUR PRODUCT

Changing the factory set point

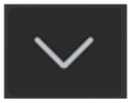
Function	Press	Hold button(s) down for	Example screen
To change the set point	MENU	3 seconds	LOA
followed by	⌄	Once	SEt
followed by	↵	1 second	50 (current set point)
followed by	⌃ / ⌄ (Increase / Decrease)	up to 10 times	40
followed by	↵	1 second	SEt
Note: set point can be increased or decreased in +/- 0.1° increments by a MAXIMUM of 1°C			

Changing the temperature scale between Celsius (°C) and Fahrenheit (°F)

Function	Press	Hold button(s) down for	Example screen
To change temperature scale	MENU	3 seconds	LOA
followed by	⌄	Two times	SCL
followed by	↵	1 second	CEL (current scale)
followed by	⌃ / ⌄	Once	FAH
followed by	↵	1 second	SCL

USING YOUR PRODUCT

Changing the remote alarm contacts

Function	Press	Hold button(s) down for	Example screen
To change the alarm contact state	MENU	3 seconds	LOA
followed by		Three times	CON
followed by		1 second	NO (current state)
followed by		Once	NC
followed by		1 second	CON
Note: NO = Normally Open, NC = Normally Closed			

Warning Alarms

This refrigerator has been designed to provide both an audible and visual alarm should any of the following situations occur:

- Door is left open for a set period
- Internal air temperature goes outside the set parameters, either too high or too low
- Internal 'load' temperature goes outside the set parameters, either too high or too low

Should one of these alarms occur this can be muted by pressing  on the controller.

The 'load' temperature is intended to provide an indication of the temperature of the refrigerator's contents (e.g. a 50ml vaccine). The temperature of a refrigerator's contents will change more slowly (up or down) than the air temperature within that refrigerator should there be a fault or the door is left open.

Remote alarm contacts

All Lec Medical pharmacy refrigerators include remote alarm contacts and these terminal contacts enable the user to connect to a remote control station; these contacts can be found on the rear of the cabinet. WARNING: These contacts must only be accessed by a competent electrician.

In order to use these contacts the following must be carried out:

1. The refrigerator MUST be disconnected from the power supply before removing the terminal cover.

USING YOUR PRODUCT

2. Unscrew the cover (figure 1) on the right hand side of the rear of the cabinet to expose the connectors (figure 2).



Figure 1

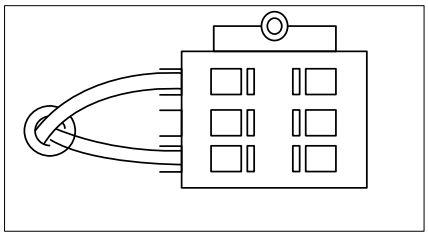


Figure 2

3. Use the right hand outer positions that correspond to the left hand cable positions for your connections using 0.75mm cable stripped to 0.6mm.
4. Depress the larger slot above the cable entrance on the right hand side with a small electrical screwdriver. This allows the cable to be inserted into the slot directly below.

In the event of a door open alarm, high or low temperature alarm or power failure a remote relay will switch within the controller to make an electrical circuit.

Please note that the contacts supplied are voltage free. A voltage of between 12V DC and 230V AC can be connected at the contacts. The maximum load must not exceed 2A. The minimum power rating is 500mA / 12V AC.

In a normal condition (i.e. no alarm) the relay OPENS the contact for the remote alarm facility.

In an alarm condition the relay CLOSES the contact for the remote alarm facility.

When your product it not is use

If the refrigerator is to remain unused for a period of time (e.g. during refurbishment work) switch the appliance off by pressing the power button and disconnect the power supply to the cabinet at the wall socket. It is also advised that the appliance is unplugged from the power supply. Empty, defrost and clean the refrigerator. Make sure the door is left slightly ajar to prevent any bad odours forming within the cabinet.

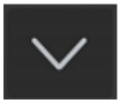
USING YOUR PRODUCT

Defrosting

Your appliance features automatic defrosting and, in normal conditions, means that no manual defrosting is required. However, in certain conditions (e.g. when the refrigerator is very full or when any new items of are stored in the refrigerator) frost may form on the rear wall of the appliance. As automatic defrosting takes place while the compressor is not running the refrigerator may not defrost completely before the compressor restarts. In these instances some manual defrosting may be required.

Before manually defrosting the cabinet, make sure the power lead is disconnected from the mains. Any loose frost found on the evaporator can be removed carefully using a wooden or plastic scrapper.

WARNING: Do not use any knives or sharp metallic objects to remove frost.

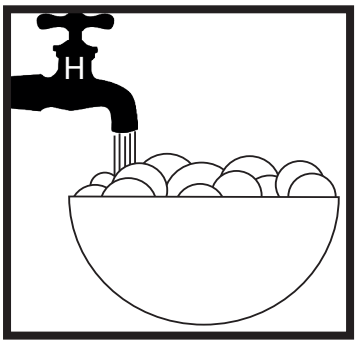
Function	Press	Hold button(s) down for	Example screen
To carry out a non-scheduled defrost		3 seconds	
followed by		Four times	
followed by		1 second	
followed by		1 second	
N.B. This does not replace the automatic defrost function on relevant models			

CLEANING YOUR APPLIANCE

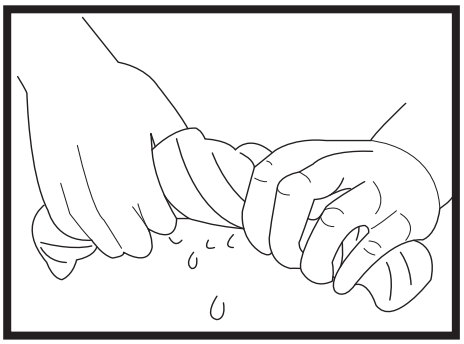
Do's

Note: Always switch off your appliance before you clean any part of it.

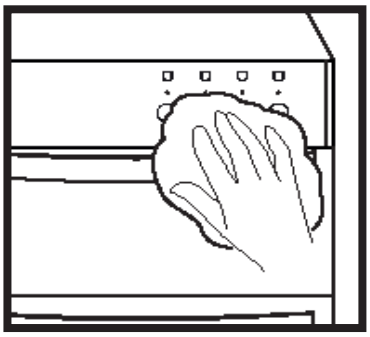
Tips: Always clean spillages as soon as possible.



- Warm, soapy water
- Note: for door gasket, warm water only

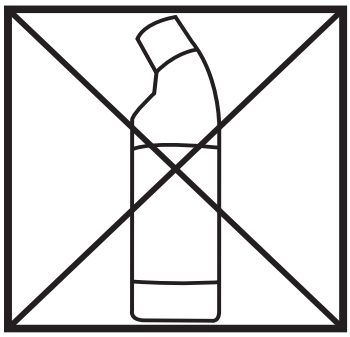


- Clean, wrung out cloth

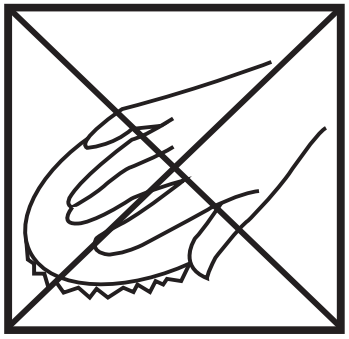


- Wipe with damp cloth
- Dry with a soft cloth

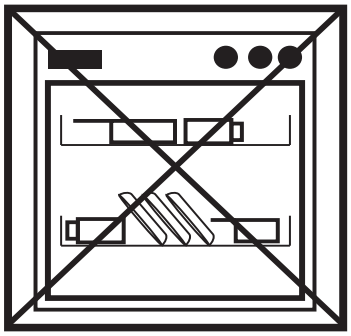
Dont's



- Undiluted bleaches
- Chloride products



- Wire Wool
- Abrasive cleaners
- Nylon pads



Do not place in the dishwasher:

- Shelves
- Baskets

IT IS IMPORTANT TO CLEAN YOUR APPLIANCE REGULARLY.

VACUUM THE CONDENSER GRILL AT THE REAR OF THE APPLIANCE AND THE COMPRESSOR AREA TO KEEP CLEAR OF DUST AND DEBRIS.

WHEN CLEANING IS COMPLETE, RE-CONNECT THE PLUG WITH DRY HANDS.

CHANGING THE LIGHT BULB

WARNING: Ensure that the appliance is unplugged from the power source before commencing.

1. Remove the plastic cover (your appliance will have a cover as shown in either figure 1a or 1b).

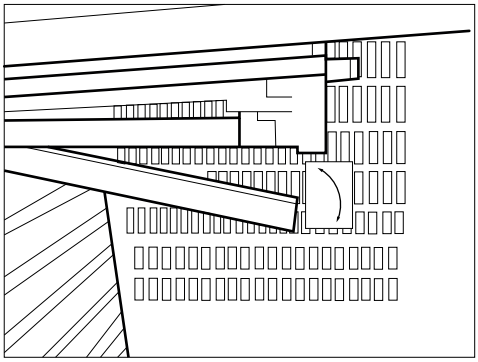


Figure 1a

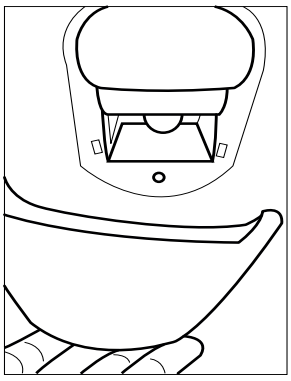


Figure 1b

2. Unscrew / twist and remove the light bulb (your appliance will have a light bulb as shown in either figure 2a or 2b).

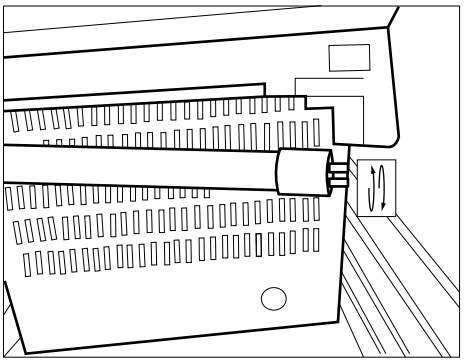


Figure 2 a

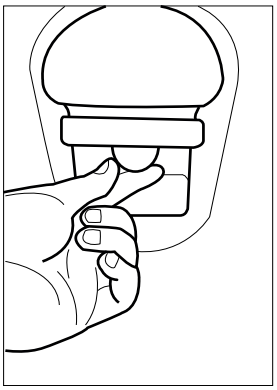


Figure 2b

3. Replace with bulb of the same specification

4. Replace the plastic cover

Replacement light bulbs are available from our spare parts department. See inside the front cover for ways to contact us.

TROUBLESHOOTING

Before calling customer care, please check the table below to see if the problem can be solved without calling for a Service engineer.

Problem	Solution
The appliance doesn't work	• Check that the appliance is switched on • Check that the plug is not damaged • Check that the fuse has not blown • Check that the voltage is correct for the appliance • Check the set temperature is on a suitable setting (set point)
Unusual noises	• Check that the appliance is on a flat, level surface and is stable. • Check that nothing is coming into contact with the appliance.
The temperature inside the appliance is not cold enough.	• Check that there is not too much stored in the appliance. • Check the frequency of door openings. If opened too often this can cause the compressor to run for some time. • Check that the thermostat is set to a suitable temperature. • Check that the appliance is not in direct sunlight,or near a heating source. • Check that the ventilation grille has not become blocked.
The temperature inside the appliance is too cold	• Change the temperature setting to a more suitable setting.
The outer surfaces of the fridge / freezer are wet	• Caused by condensation - dry the outer of the appliance carefully.
The inner surfaces of the fridge / freezer are wet	• The door is opened frequently, or kept open too long. • Caused by condensation - dry the inside of the appliance thoroughly.
Excess frost and ice has built up inside the appliance.	• Check that the door has not been left open. • Check that the door gasket is clean and undamaged.

Please note: Any damage caused by not following the instructions within this handbook may lead to a charge for a service engineer visit and any repairs carried out.

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