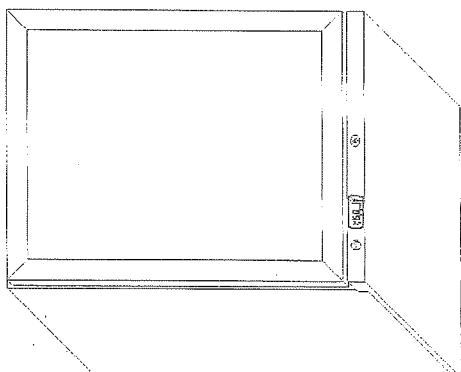


PHARMACY FRIDGE

USERS INSTRUCTION MANUAL



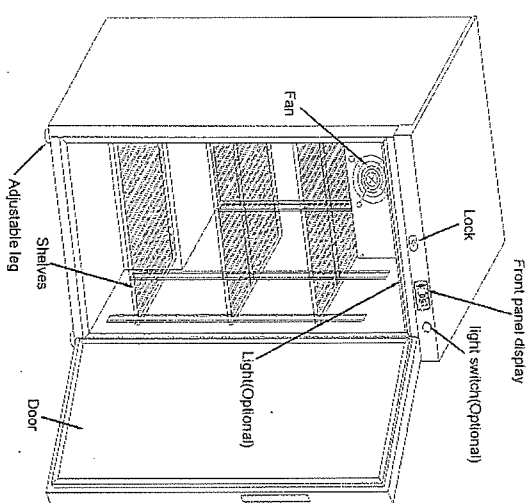
Thank you for buying this pharmacy fridge. It has been designed and manufactured for many years of trouble-free service.

Operation is very simple, but please take a few minutes to read this booklet. It contains safety information, and tips to ensure you receive from your fridge.

Portage and installation

- When carrying the fridge, keep the fridge vertical, the angle of inclination between sides of the fridge and horizontal plane should be over 50°, otherwise it will cause trouble of the compressor and effect normal operation of the fridge.
- After unpacking the fridge, remove the packing materials and place the fridge on a level and sturdy floor near power socket.
- Do not place your fridge near a direct heat source or direct sunlight and leave at least 6cm all round the unit for adequate ventilation (wall mounted models do not need extra space at the back because the cooling system is in the sides). Failure to do so may effect the performance of your fridge.
- Never place the fridge on a location where water can reach or with high moisture.
- Ensure your fridge is level by adjusting the feet at the bottom of your fridge.

Exterior view



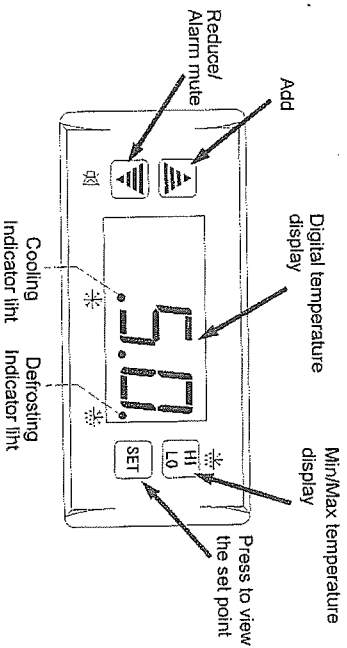
Power supply preparation

The fridge must use a special three-hole socket with fuse and well grounded. never ground the fridge through a gas pipe, tap water pipe or the grounded wire of single-phase power supply etc. Never share same circuit with other appliances. Before plugging in your fridge for the first time make sure the power cable is free from damage and check that your voltage corresponds to that on the serial plate.

Plug in

Once plugged in the display will show the temperature inside the fridge and the compressor will run late on (the indicator light of cooling will on at the same time). This temperature is the actual temperature recorded by the probes inside the fridge and as the fridge cools to the set point (factory set at 4°C/39°F) so the number on the display will descend accordingly. If power is cut off, wait for at least 5 minutes before plugging the unit in again to avoid damaging the compressor.

Front panel display



Adjust operating temperature

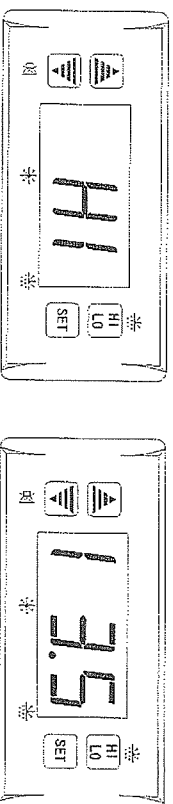
To adjust operating temperature press 'SET' button once, the current set point temperature will flash display , then press add button or reduce button to change the set point, select the desired target temperature and then press 'SET' button.

High/Low Temperature Alarm

If the temperature in your fridge rises above 8° for more than about 10 minutes an alarm will sound and the front panel display will flash HI and the current temperature inside the fridge. This information will display alternately.

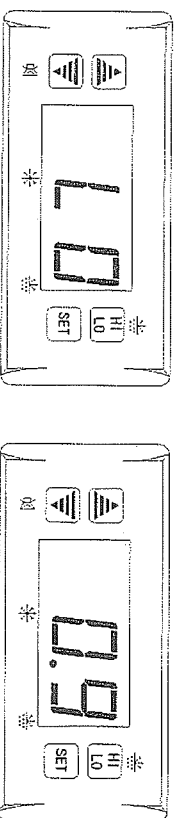
The cause of the rise in temperature should be investigated immediately. Usually, it is simply because the door has been open for a long time or the fridge has been restocked, however, it is recommended that you check the fridge to make sure that the temperature is returning to normal after the alarm has been activated.

If you want to silence the alarm , simply press the 'alarm mute' button.



If the temperature in your fridge drops below 2° an alarm will sound and the front panel display will flash LO and the current temperature will be displayed alternately. There could be a number of reasons for this, such as extremely cold items being placed in the fridge.

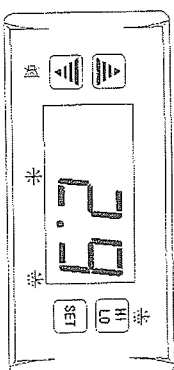
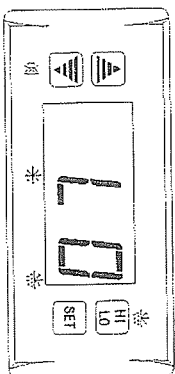
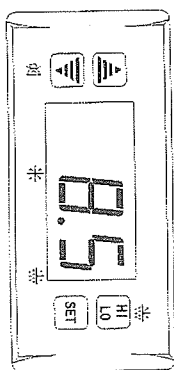
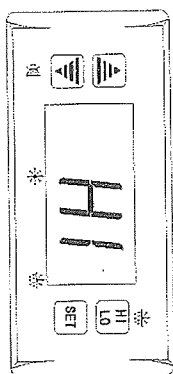
The cause of the drop in temperature should be investigated immediately and the fridge should be monitored to check that it is returning to the correct temperature.



Min/Max Temperature Recording

The fridge records the maximum high and minimum low temperatures when connected to mains electricity. This information is stored until the fridge is reset.

This information can be accessed if you press the 'HI/LO' button and release. The display will show **HI** and then the high temperature recorded since the last reset, then **LO** and display the low temperature.



Min/Max Temperature Reset

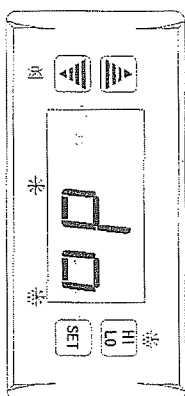
It is recommended that temperatures in the fridge must be monitored and recorded at least once each working day. Once you have taken the temperatures for the day it is important that you reset the fridge. This is because the fridge will always display the high and low temperature since the last temperature reset. The fridge does not automatically reset.

To reset the minimum/maximum temperature you may press the 'HI/LO' button and hold. An alarm will sound and the current high and low temperatures will be displayed as above. Keeping your finger on the button, the display will then change to flash 'HI' then revert to normal operation. This means you have successfully reset the minimum/maximum temperature display and the previous high and low temperatures have been deleted.

Door Alarm

If the door of the fridge is left open for more than 3 minutes an audible alarm will sound and the front panel will flash **do**, the compressor will stop running at the same time.

Close the door, the door alarm will be eliminated automatically.



Internal light (optional)

The light is fixed at the internal top of the fridge. You can turn the light on or off with the switch located at the front panel.

Lamp replacement

1. Unplug the power plug.
2. Take down the lamp cover, pull out the wires, then take away the lamp.
3. Install the new lamp, connect the wires, place the lamp cover and fasten it.

Defrosting

- After working a long time ice may build on the evaporator, this may occasionally occur during periods of high climatic humidity but may also be due to excessively frequent or extended door openings, moist items being placed in the chamber, or too low an operating temperature. A significant build up of ice may impair the performance of the product and a manual defrost should be performed. Defrost by pressing 'HI/LO' button and 'SET' button concurrently for about 6 seconds until the defrosting indicator light is on. Whilst on defrosting the compressor will stop running and the temperature inside the fridge will rise slowly, the water developed during defrost is led to the condensate tray and will evaporates automatically. After about 25 minutes the defrost period is complete the compressor will work as normal.
- If you want stop defrosting midway, press 'HI/LO' button and 'SET' button concurrently for about 6 seconds until the defrosting indicator light is off.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

Battery(optional)

Insert 4 AA 1.5V long life alkaline batteries (not supplied) in the holder located on the right side of the unit.

When power supply is cut off batteries will power the controller.

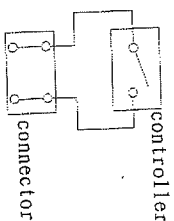
Note: batteries will **only** power the controller not the fridge.

Remote alarm

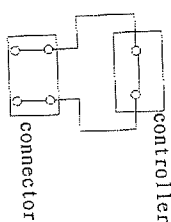
In some cases of alarm, for example, high temperature alarm, low temperature alarm, door alarm, etc, all alarm will output to the connector located on the back of the unit.
The maximum rating for the connection is 1A 30Vdc.

DO NOT CONNECT TO MAINS VOLTAGE

Alarm



Normal



Storage of articles

- The fridge is not overloaded. It is recommended the fridge is only partially filled (around 55%) and even at maximum stock level the content should not exceed 70% of the fridges capacity.
- Leave some space around the goods to let cold air inside the cabinet flow. Ensure the articles do not touch the back of the interior so as not to freeze.
- Store the articles away from the inner fan.
- Do not put warm goods into the fridge directly until they are cooled to normal temperature.
- Shelves can be adjusted according to different applications.

Maintenance

It is essential that you unplug the fridge from the mains and transfer the contents where they can be stored and monitored at the correct temperatures before cleaning.

- Wash the inner compartment with warm water and neutral detergent. DO NOT allow the control panel, cables or plug to get wet. NEVER use corrosive detergents, wire brushes, or abrasive scourers to clean your fridge. NEVER use metal or sharp implements to remove debris
- Dry all surface thoroughly.
- To ensure trouble-free operation the condenser should be cleaned every three months where appropriate using a vacuum hose. The condenser is located at back of the cabinet. In exceptionally dusty locations the condenser should be cleaned more often.

WARNING:

- Do not damage the refrigerant circuit.
- Do not allow children to play with the appliance, or to sit on it or to hang onto the door.
- For safety, the appliance must be properly earthed in accordance with specifications.
- Do not damage any parts of the appliance which carry refrigerant by piercing, perforating, crushing, twisting or scraping. If the refrigerant comes into contact with the eyes, it may cause serious eye injury
- Always remember to unplug the appliance before cleaning. Never unplug your appliance by pulling on the power cable. Always grip plug firmly and pull straight out from the socket. Always check that the plug and cable are undamaged.
- Do not use electrical appliances inside the fridge, unless they are of the type recommended by the manufacturer.
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- All repairs must be carried out by qualified engineers. Inadequate repairs may be dangerous. Never try to repair the cooler yourself.
- Do not allow children to play the packaging, and destroy plastic bags safely.

Troubleshooting guide

Problems	Possible causes	Ways to solve problem
The unit does not operate	Bad connection of plug or fuse burn out	Unplug the power cord and re-connect the plug to power supply or replace with a new fuse
Abnormal operation of the compressor or has buzz sound	The power voltage is out of rated range	Disconnect the power supply immediately and reconnect with it after normal voltage. It is necessary to have a voltage stabilizer in case of poor power supply.
Compressor operates for a long time and not frost on the surface of the evaporator	Refrigeration system is at fault (leakage or blocked)	Call for service
There is frost or ice on the walls of the inner cabinet and internal temperature is too low, the compressor never stops running.	Thermostat does not work The temperature setting of the thermostat is too low.	Call for service Adjust to a higher temperature
The internal temperature is too high and the compressor never stops operating.	Bad heat dissipation and ventilation of condenser	Improve ventilation
	Too much warm goods was put in at one time	Remove some goods so air can circulate
	Door is being opened too frequently during initial coil down	Permit the unit to cool down adequately, prevent product access during this phase
	The unit is not level	Adjust the adjustable legs
Too noisy	The fastener of the unit is loose	Fasten the loose fastener
	Pipe near the compressor touch	Carefully separate the touched pipes
The side of fridge is hot	The condenser in the side wall gives out heat as part of normal operation	nothing to worry about.
Sometimes a light sound of water flowing will be heard	Refrigerant flowing inside the pipe.	nothing to worry about.
There may be condensation on the glass door	a high ambient temperature or humid conditions,	Dried with a cloth
The display shows "So" and compressor does not run	The temperature sensor is open circuit	Call for service
The display shows "Sc" and compressor does not run	The temperature sensor is short circuit	Call for service
The display shows "Ht" and compressor does not run	The ambient temperature is above 45°C/113°F	Stop using immediately
The display shows "Ll" and compressor does not run	The ambient temperature is below -9.9°C/14°F	Stop using immediately