

You are now the proud owner of a new Model number-
Serial number-

We are delighted you have selected **ICEER** which will give you the best performance with the least amount of battery drain.

Your **ICEER** fridge has been manufactured in Australia for continuous use from batteries. Entire design and manufacture of our refrigeration product has been undertaken with quality, efficiency, ease of cleaning and you the owner in mind. We trust that you will be as proud of your **ICEER** as we are.

PANEL LIGHTS

FRIDGE MOTOR

GREEN LIGHT-

RUNNING

YELLOW-

STANDBY

RED-

LOW VOLTS

INSTALLATION

- (1) Select the coolest area in the room.
- (2) Avoid direct sunlight
- (3) Situate away from heating sources such as radiators or unshielded stoves.
- (4) Avoid locations in small, badly ventilated rooms.
- (5) Ensure surface is clean.
- (6) Ensure the unit is level and firmly in place i.e. not rocking.

VENTING AND CLEARANCES

All **ICEER** fridges are fan-cooled, good venting is essential. 100mm (4") diameter of air must be allowed to flow through the intake and out of the exhaust of the fridge freely. Restriction of this flow will result in lower performance and higher internal cabinet temperature.

Provision for 100mm (4") ducting is provided so cool air can be ducted in from floor or bilge, and /or hot air exhausted outside. Ducting length should not exceed 2 metres.

CONNECTION

Check that the unit you have purchased is the same voltage as your systems voltage.

The cable into your unit should be of sufficient size to avoid voltage drop i.e. when the fridge is running, the voltage measured at the fridge should not be less than 0.4 of a volt of that measured at the battery

To establish your correct size, the following cable to length ratio should be adhered to.

A 12V DC freezer requires 1 sqmm of cable per 1 metre of cable run from the battery i.e. if cable run is 15 metres from the battery, cable size should be 15 sqmm.

$$\begin{array}{rcl} 12V & \text{Length m x sqmm cable} & \\ & \hline & & = & \text{cable size} \\ & 15 & \times & 1 & = & 15 \text{ sqmm} \end{array}$$

A 24V DC freezer requires 1 sqmm of cable per 2 metres of cable run from the battery i.e. if the cable run is 20 metres from the battery, the cable size should be 10 sqmm.

$$\begin{array}{rcl} 24V & \text{Length m x 0.5} & = \text{cable size} \\ & \hline & 20 \quad \times \quad 0.5 & = \quad 10 \text{ sqmm} \end{array}$$

Do not use in-line glass fuses or cheap switches. Only use a good quality silver contacted circuit breaker, with self-wiping contacts of 10 amp rating. Cheap switches and in-line fuse holders cannot pass the current without dropping too much voltage.

Reverse polarity or over-voltage will cause damage, and is not covered by warranty.

NB: Red wire is positive connection (+) and black is negative (-).

OPERATION

Having correctly connected the unit to the power supply, switch it on. To ensure no damage has occurred in transit, run your power unit a full 24 hours prior to placing any product in the fridge. This also allows the unit to pull down to the required temperature. It may take up to 16 hours for the freezer to reach -12C on the first cycle depending on:
-model / size

-temperature of day

NOTE: When switched on, the fan will run at varying speeds as well as stopping and starting. **This is normal operation.**

NOTE: There are no operation controls i.e. thermostat. Cabinet temperature is controlled by the electronic **ICEER** control system. Because EUTECTIC fluid is employed in **ICEER** fridges, the initial first cycle will be longer (up to 16 hours).

CARE AND CLEANING

Defrosting

At least once a year, or when the frost layer exceeds 3mm (1/8"):

- (1) Switch off power.
- (2) Remove frozen food and drawers, wrap food in a blanket or newspaper to prevent thawing.
- (3) Tip a container of warm water in to the freezer. The ice will start thawing which will enable most of it to be removed by gently scraping with a soft plastic or rubber spatula. Collecting the ice in a bowl while it is still solid will speed up the defrosting process.
- (4) Melted ice should be mopped up with a clean cloth or sponge. Use the opportunity to clean the cabinet interior.
- (5) When defrosting and cleaning are complete, dry thoroughly, switch power on and replace food.

Cleaning

Outside of Cabinet:

The outside of cabinet needs only to be rubbed down with a dry duster. Any dirt can be washed off with hot water. After washing, dry the cabinet thoroughly.

Important: Do not use abrasive cleaners of any kind. Once a year, a high grade non-abrasive automotive wax may be used to polish the exterior if desired.

Interior of Cabinet:

To maintain freshness and hygiene, the inside of the freezer should be washed periodically. Use lukewarm water to which a little baking soda has been added (1 teaspoonful to 1 litre water). Always rinse using a cloth dipped in clean warm water. Thoroughly dry all surfaces.

Door seals and the surface in contact with the door opening should be cleaned with warm water and then dried. After drying wipe all around.

WARNING

DO NOT clean interior with abrasive, scented or soapy materials.

DO NOT use car cleaning or household wax or polishes on the interior.

DO NOT use sun lamps, radiators or fan heaters to defrost or dry any part of the freezer interior or exterior.

Out of Use

It is desirable to keep your freezer in use throughout the year. However if it is necessary to shut the unit down, use the following important steps:

- (1) Turn off power.
- (2) Open the door.
- (3) Empty and then thoroughly clean the interior.
- (4) Leave the door open until the unit is required back in service.

Failure to observe the above may cause the interior to smell and mildew to form.

GETTING THE BEST USE OF YOUR FREEZER

- (1) If frost builds up to 3mm (1/8") thick, defrost your freezer.
- (2) Before turning on power, ensure that the interior of the freezer is completely dry.
- (3) Avoid overloading the freezer at one time.
- (4) For the best results, tightly wrap items such as fish, meat and poultry in correct freezer packing material eg freezer bags, plastic wrap etc. Ensure that all air is removed from the package to prevent the food from drying out during storage.
- (5) Small packages of food freeze and defrost more rapidly, therefore if possible food should be packaged in meal size portions.

PRE-SERVICE CALL CHECK LIST

IMPORTANT

Before calling for service with a suspected fault, it is wise to carry out a careful check in accordance with the following chart.

| SYMPTOM | POSSIBLE CAUSE | RECOMMENDED ACTION |
|------------------------------|---|---|
| Noise | <ul style="list-style-type: none">- Unit too near wall- Unit not level | <ul style="list-style-type: none">-See "installation section and check steps followed |
| Insufficient Freezing Action | <ul style="list-style-type: none">- Frost layer needs removing- too much food placed in unit at one time- B locked vent.- Condenser needs cleaning | <ul style="list-style-type: none">- see "Defrost" section- New load should not exceed 20% of net freezer capacity |
| Not Working | <ul style="list-style-type: none">- Low battery cut out- Blown fuse or circuit breaker- Poor connection.- Cable too small. | <ul style="list-style-type: none">- check plug and switch- check fuse or breaker- check voltage at fridge |
| Door is Difficult To Open | <ul style="list-style-type: none">- Tight sealing of gasket and rapid contraction of air inside unit immediately after door has closed. This is quite normal. | <ul style="list-style-type: none">- lift gasket face with fingertips. Check gap is dry and clean |

SERVICE INFORMATION

Should you ever require service in your ICEER fridge, always quote the model and serial number.

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