



R50421



# FRIDGE/FREEZER OWNER'S MANUAL



Thank you for purchasing an Evakool Travelander fridge.

The unit you have chosen has been proudly designed and manufactured in Australia by Australians combining Evakool's legendary insulated fibreglass cabinet with world renowned compressor technology.

We recommend that you carefully read this manual prior to operating your Evakool Travelander Fridge as it contains important information regarding your unit's operation, maintenance, care and terms of warranty.

This unit is designed to operate from either a 12V or 24V power source or from a 240V mains supply via an approved 12v/24v adaptor.

All Evakool products are specifically designed to withstand Australia's harsh operating conditions and if treated with care will provide you with years of trouble free service.



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The Travelander fridge is designed to operate as a fridge with a separate freezer

## OPERATION

- Press the power button to turn the unit on. The display will light up indicating the unit is receiving power.
- The compressor will start and about 2 seconds later the fan motor will start. Thereafter the red 'cycle' light will come on indicating the fridge is running and the evaporator plate inside the fridge will start to cool.
- To set the units' temperature press the up and down buttons on the control panel until the desired temperature is displayed. After a few seconds the display will resume showing the current internal temperature and begin to cool down

## NORMAL/ECONOMY OPERATION

- The EvaKool fridge is designed to allow 3 different compressor speeds
- The speed adjustment button changes the speed of the compressor and can be used to cool the unit down quicker or help it maintain temperature in particularly hot conditions.

### SELECT:

**LOW OR MEDIUM** for daily use and optimum power usage and;

**HIGH** for additional performance in temperatures over 30°C or when quick cooling is required.

Please note the temperature that is displayed is that in the units' freezer compartment. The Travelander fridge is designed so that that the temperature in the freezer section will operate at +/- 16 degrees Celsius below that in the fridge. Accordingly a freezer temperature setting of -12 degrees Celsius will result in a fridge temperature of +/- 4 degrees Celsius.



## TEMPERATURE SETTINGS

- Use the up and down arrows to adjust the temperature of the fridge. Once the desired temperature is reached, leave the display for a few seconds and it will revert to showing the temperature inside the fridge then begin to cool down.
- To turn the fridge off, press the power button. This will cut the power to the compressor but the display will stay on as long as the unit is connected to a live power source.

## CIRCUIT BREAKER

The fridge is fitted with a 15 amp circuit breaker. The purpose of the circuit breaker is to protect the compressor should there be:

- a direct short to earth;
- a power surge or faulty power supply.

If either of the above occur the circuit breaker will 'trip' thereby cutting off all power to the unit. As a result all the lights on the control panel will go out. To reset, simply push down the black button on the circuit breaker.

If after re-setting, the circuit breaker continues to trip, please contact Evakool or your nearest service agent.



## HELPFUL HINTS

- Pre-chill the fridge before use.
- Regularly rotate contents of fridge
- Keep fridge as full as possible, ideally the freezer section to be at least 50% full.
- Refrain from the unnecessary opening of the fridge.
- Ensure the air vents are not obstructed so as to allow maximum air flow.
- Avoid placing hot or warm goods in the freezer.

## CARING FOR YOUR FRIDGE

### DEFROSTING

- Switch off freezer and open door.

**DO NOT** use sharp objects when cleaning and defrosting the fridge. Keep your fridge clean by wiping both the interior and exterior with a damp cloth using a mild nonabrasive household detergent and dry thoroughly.

Ensure the fridge is completely defrosted and dry before turning back on. Always clean the fridge after use and before storage to help avoid any mould or odours.



## **FAULT FINDING GUIDE**

### **FRIDGE NOT RUNNING?**

**Is the RED light on?**

- Check power supply.
- Check that the fridge lead is plugged in properly, and that no wires are loose.
- Check that the fridge is not turned off (3 lines will feature on the display).
- Check the circuit breaker and press to re-set if necessary.
- Try starting in HIGH, MEDIUM and LOW positions.

If the red light is on and the fridge is still not running call our Service department on 07 5492 7777.

### **FRIDGE RUNNING BUT NOT COOLING?**

Is the yellow fault light flashing? If yes, refer self diagnostic system below.

Make sure that the compressor is running and not just the fan motor.

If the compressor is running and the fridge is not cooling call our Service department on 07 5492 7777.

### **FRIDGE IS TRYING TO START BUT KEEPS CUTTING OUT?**

- Is the yellow light flashing? - Refer self diagnostic system below.
- Low voltage. Check your supply.
- Voltage drops. Read section on voltage drop.

### **FAULT LIGHT FLASHING?**

The Evakool compressor has its own self diagnostic system, if the fault light is flashing, count how many flashes in each set. It will flash a series of between 1 and five flashes every four seconds.



**1 Flash - The fridge is cutting out because the supply voltage is outside the cutout setting.**

- Check your power supply for voltage drop.

**2 Flashes - Condenser fan problem.**

- Contact Service Agent.

**3 Flashes - Blocked rotor or the differential pressure in the system is too high.**

- Contact Service Agent.

**4 Flashes - If the system is too heavily loaded the motor cannot maintain speed.**

- Contact Service Agent.

**5 Flashes - The compressor is cutting out on its thermal protection.**

- Ambient temperature is too high • Condenser coil is blocked with dirt and fluff
- Condenser fan motor failed • Ensure there is adequate ventilation.

The condensing coil in your refrigerator is like a radiator in your car. If the fan that is cooling it stops or the fins in the coil get blocked with dirt and fluff, the compressor will overheat and cut out on its thermostat protection.

## **VOLTAGE DROP**

The majority of our customer inquiries are related to voltage drop, which means the power to run the fridge is lost between the power supply (the battery) and the fridge compressor. The compressor requires over 10.9 volts (12 volt) and 22.7 volts (24 volt) to operate. If the voltage drops to these points or below, the fridge will default, you will hear the compressor trying to start every minute or so.

### **WHEN VOLTAGE DROPS OCCUR:**

- Check for dirty or loose connections at the battery and outlet.
- Are there any relays or after market voltage protection devices in the line to your fridge. These also have voltage drops through them.
- Check that your battery doesn't drop voltage under load.