

# MYCOOLMAN

## CEP FRIDGE-FREEZER

### *Operation Manual for AC/DC Fridge-Freezer*

*Model CEP 47*



[www.mycoolman.com.au](http://www.mycoolman.com.au)

 LEISURE-TEC Australia Pty Ltd

# **MYCOOLMAN** *CEP FRIDGE-FREEZER*

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## Important Safety Warnings

- DO NOT use if any of the electrical cables or plugs are worn or frayed. Replace with original manufacturers parts.
- ALWAYS check cables for mechanical damage, cuts in the insulation, heat / moisture damage before use. If in any doubt REPLACE.
- DO NOT handle electrical flexes with wet hands.
- DO NOT place electrical items in refrigerator.
- If your fridge/freezer has been off with food stored, do not consume if in any doubt!
- Repairs should only be carried out by a suitably qualified and authorized person. Poor repair could be dangerous.
- DO NOT store dangerous items in the appliance, such as spray cans, explosives, and flammable liquids / propellants.
- ALWAYS leave room for airflow around the contents stored in the refrigerator to ensure optimum performance.
- DO NOT operate this appliance in the rain.
- DO NOT allow children to play with the appliance.
- Small children must be supervised when around all electrical appliances.
- DO NOT allow children or pets to climb inside appliance.
- ALWAYS disconnect before cleaning.
- Food must be stored in suitable and appropriate containers.
- If your appliance is plugged in to a DC vehicle socket – ensure that you disconnect from power when you stop. Or use the battery protection (page 5). Don't come back to a flat battery!
- DO NOT fill appliance with ICE, WATER or other liquid.
- DO NOT attempt to remove frost with scraper or knife. Serious damage to cooling system could occur.
- Buildup of heat in a vehicle can be extreme, 'shutdown' will occur if cooling is not possible.

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## Important Product Information

- Best performance is achieved in ambient temperatures between +10 °C and + 43 °C.
- Temperatures above +32 °C may see a slight performance drop, and power consumption increase.
- The lower the ambient temperature, the lower the power usage. In order to maximize efficiency, keep the unit in a cool location out of direct sunlight.
- When using the unit ensure the circuit being used has a fuse or circuit breaker, recommended size for DC 12 Volt is 10 Amp, DC 24 Volt is 5 Amp.
- Make sure the voltage is within the correct range for socket and cable being used.
- Do not place any electrical devices inside the refrigerator as they may be damaged.
- Your unit requires good ventilation, especially around the vents of the refrigerator; allow a gap of at least 100 mm around all vents.
- Do not allow a large amount of frost to build up on the inside walls as this may impair cooling.

Damage may occur if the DC cable supply is undersized. This will cause low voltage. As a guide, from the battery to the appliance follow this guide.

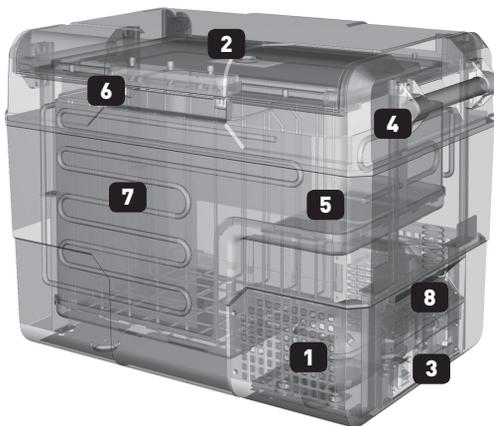
Cable cross section	12v maximum cable length	24v maximum cable length
mm <sup>2</sup>	Metre	Metre
2.5	2.5	5
4	4	8
6	6	12
10	10	20

- Defrost by turning the unit off. Once frost has melted, remove the bung plug to drain any excess water and wipe out any remaining moisture with a clean cloth.
- It is recommended to operate the unit on a flat surface, but it will operate at angles up to 30 °.

### NOTE:

At inclinations of more than 15 ° the compressor noise level may increase (without any effect on the cooling performance).

## Product Features



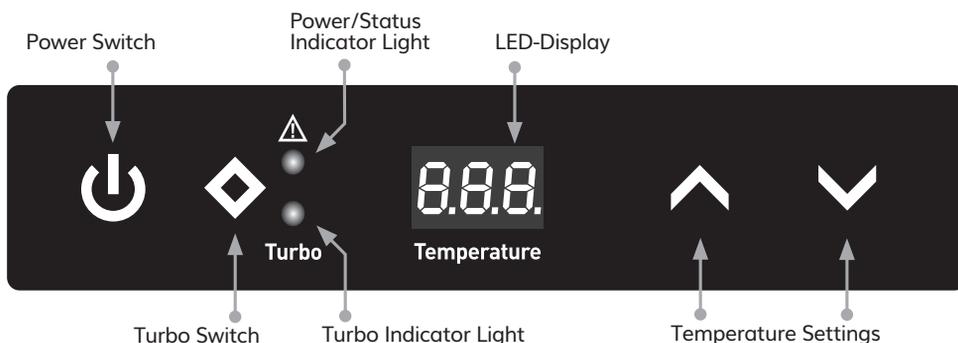
- 1 Powered by 12/24 Volt DC compressor
- 2 Two way opening lid without tools
- 3 Multi-voltage system AC (240v) and DC (12/24v) with battery level protection
- 4 LED interior light
- 5 Fully refrigerated stepped compartment
- 6 Headroom for upright standing bottles
- 7 47 litre capacity (56 x 375 ml cans)
- 8 Digital display



# MYCOOLMAN CEP FRIDGE-FREEZER

## LED Control Panel & Operation Instructions

### Control Panel CEP 47



**NOTE:** Temperature can be set from  $-18^{\circ}\text{C}$  to  $+10^{\circ}\text{C}$

### Turning the unit on and off:

**Step 1:** Plug in the AC or DC power cable (ensure power is on at source).

**Step 2:** Press the  button once to turn on - To switch off press and hold the  for 3 seconds.

#### NOTE:

- The 'Power/Status Indicator Light' will illuminate green to show the unit is running OK.
- The system has a memory which records your last setting before shutting down.
- If the power supply is cut off or disconnected, the unit will switch off automatically, once the power supply is restored it will automatically switch back on. Your unit may temporarily show a status of E3 or E4 and will clear after approximately 5 minutes.
- When adjusting settings directly on the fridge, the LED display will flash to let you know that the settings are now adjustable.

### Changing the set temperature:

**Step 1:** Use the  and  button to change the temperature.

**Step 2:** Once you reach your desired temperature you do not need to press any further buttons. Just let it sit until you see the temperature flash 5 times – this means the temperature is now locked in.

#### NOTE:

- The fridge temperature shown on the LED (as a solid, non flashing icon) is the current inside temperature. This will lower to your set temperature, given time to chill down.

# MYCOOLMAN CEP FRIDGE-FREEZER

## LED Control Panel & Operation Instructions

### Engaging Turbo mode:

What is the purpose of Turbo Mode? It enables the compressor to run at a higher speed, therefore achieving faster cooling to your nominated temperature.

**Step 1:** Press the  button once to turn on. The light will illuminate green to indicate that Turbo Mode is engaged.

**Step 2:** To turn off, press the  button again. The green light will now go out to indicate that Turbo mode is no longer engaged.

### Change temperature between °C or °F:

**Step 1:** Press and hold the  button to enter battery protection screen, this will display HI, ME or LO to indicate the battery protection setting High, Medium or Low.

**Step 2:** In this setting release, then press and hold the  button again for a further 3-4 seconds,

**Step 3:** C or F will appear.

**Step 4:** Use the  and  button to change between °C or °F.

**Step 5:** After adjusting to the required setting, the system will automatically save and exit the setting.

### Setting Battery Protect:

**Step 1:** Press the  Turbo button 3 - 4 seconds.

The display will show HI, ME or LO (High, Medium or Low)

**Step 2:** Press the  and  button to scroll through High, Medium or Low protection levels.

**Step 3:** Once you reach your desired setting you do not need to press any further buttons. Just let it sit until you see the setting flash 5 times – this means the setting is now locked in, and the display will automatically return to your current temperature setting.

### Automatic shut down and re-start voltage levels:

	12v Input		24v Input	
	Unit turns off at	Unit turns on at	Unit turns off at	Unit turns on at
HI:	11.8	12.6	23.0	24.5
ME:	11.4	12.2	22.5	24.0
LO:	10.1	11.1	21.5	23.0

# myCOOLMAN CEP FRIDGE-FREEZER

## Handle Fitting Instructions

In your myCOOLMAN CEP 47 you will receive handle kit.

### Contents:

1. 2 x handle assemblies (complete)
2. 8 x Hex Head SS set screws
3. 1 x 5 mm Hex tool (Allen key)



### Assembly process:

**Step 1:** Place screw in handle and secure in location 1

**Step 2:** Use Hex tool to screw into the captive nut in body of CEP47

**Step 3:** Tighten about halfway

**Step 4:** Repeat process at locations 2-3-4

**Step 5:** Tighten all screws fully without over-tightening.

**Step 6:** Repeat at the opposite end of refrigerator.

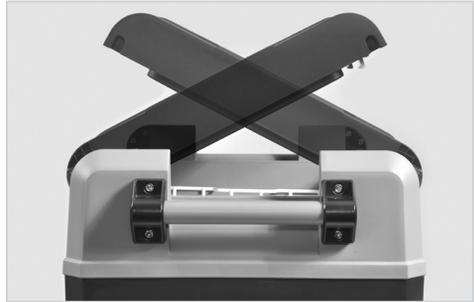


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## Two Way Opening and Removable Lid

### Purpose for removing the lid:

CEP47 This lid can be removed to aid with cleaning and to change the opening direction. You can change the direction of the lid by following the below instructions.



### How to remove the lid:

Open the lid fully, then overextend, pushing lid past the "fully open point" to remove. Keep fingers clear of base.



### How to attach the lid:

Line the hinges up with the metal posts and press down firmly. If you would like to change the opening direction of the lid - line the hinges up with the metal posts on the other side of the fridge and press down firmly.



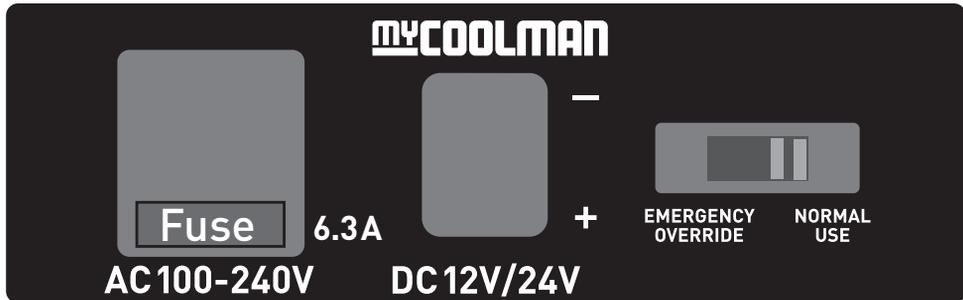
### WARNING:

*Potential pinch point. Never place fingers or items that can be damaged between the lid and the wall of the fridge as there is potential for injury*



# MYCOOLMAN CEP FRIDGE-FREEZER

## Emergency Override



The Emergency Override Switch is located just below the main control panel next to the power inlets

For normal operation the switch is in the "NORMAL USE" position. If the electronics in the display board fail or controls become non-functional, slide the switch to EMERGENCY OVERRIDE position.

### NOTE:

- In EMERGENCY OVERRIDE, the cooler runs with full cooling capacity (i.e. will chill as heavily as possible with no regard to the set temperature) and may freeze.
- The compressor will run continuously for 8 hours before going into a hibernation mode.

## Cleaning & Maintenance

### How to clean your unit:

- Clean the appliance inside and outside with a clean damp cloth every week. If it is dirty, use sodium bicarbonate dissolved in lukewarm water to clean the unit.
- Please don't use abrasive products, detergents, soap or hard objects to clean as these can damage your refrigerator.
- After cleaning, wipe out with a clean damp cloth and dry carefully.
- Never clean the unit under running water or in dish water.
- Do not store products inside unit if the unit is off.
- Do not store the unit if it is wet inside or without leaving the lid open.

## Troubleshooting

### How to get the most out of your unit:

- Best performance is achieved at ambient temperatures between +10 °C and +32 °C.
- Product is rated as a 'T Climate' class (Tropical), which means that the units meet the requirements of ISO-15502 at 43 °C.
- Higher ambient temperatures mean that the compressor will run faster and longer.
- If the unit is in direct sun, this also increases the ambient temperature and may result in the compressor running faster and longer.
- In extraordinary high temperatures the compressor will purposely slow to 1080 RPM for safety.
- Never stack meat, fish or any other solid water-based food directly against each other without air gaps. If the cool air cannot circulate and surround the individual contents, it will take much longer to freeze and may even result in partial freezing.

### The unit is not turning on

- Check whether the unit has been turned on.
- Check the power supply (try a different power source/vehicle/socket).
- Check whether the plug and the socket have a good connection.
- Check whether the fuse has been burned out or blown.

### Low refrigeration performance

- Too much product has been placed inside the unit.
- There is no room for air to circulate between the items in the fridge/freezer.
- There is too much warm product inside the unit.
- The lid is unlatched or open.
- The lid seal is broken.
- Poor ventilation (allow 100 mm of space around all vents).
- The ambient temperature is too high.
- The temperature setting is too high.

### Can hear the sound of liquid flowing or gurgling from inside the unit

- This is normal, due to the flow of refrigerant in the unit.

### Unusual noise when refrigerator is working

- The refrigerator is not placed on a level surface. If none of the above solves your issue, see page 3 or contact Leisure-Tec.

#### NOTE:

*At inclinations of more than 15 ° the compressor noise level may increase (without any effect on the cooling performance).*

## Status Indicator

### E0 flash every 4 seconds temperature sensor issue:

- Contact Leisure-Tec on 1300 07 2018

### E1 flash every 4 seconds - low voltage & Battery Protection:

- An E1 will occur when the battery protection level has been reached. i.e input voltage to low for protection setting, check power source voltage.
- Try on different power source (vehicle or 240V AC power).  
If changing power source fixed issue, then possible issue with original power source.
- Ensure cabling between fridge and battery is at least 1.5 mm<sup>2</sup>, if the distance is more than 2 metres use at least 2.5 mm<sup>2</sup> cable.
- Try turning on your vehicle so that the battery is being charged. E1 should automatically clear after a few minutes, and the fridge will resume normal operation, when the power source voltage increases above the battery protection cut off point.

### E2 flashes every 4 seconds - fan issue:

- Fan is drawing too many amps (over 0.6 amps), replace fan.  
Contact Leisure-Tec on 1300 07 2018

### E3 flashes every 4 seconds - compressor start issue:

- Unplug cable and allow unit to rest for 10 minutes.
- Try on different power source (vehicle or 240 V AC power).
- Electronic box fault.
- Compressor fault.
- If changing from 240v AC to 12v DC power or vice versa, if the change is done too quickly without switching off the unit; the unit will show an error.  
Just wait 5 minutes and it will automatically correct and run normally.

### E4 flashes every 4 seconds - low motor speed:

- Reduce products/items inside unit.
- Move so unit is in a lower ambient temperature, clean vents/ensure clear air flow over compressor.
- Fan fault.
- If changing from 240v AC to 12v DC power or vice versa, if the change is done too quickly without switching off the unit; the unit will show an error.  
Just wait 5 minutes and it will automatically correct and run normally.

### E5 flashes every 4 seconds - over temperature:

- Ambient temperature too high.
- Clean vents/ensure clear air flow over compressor.
- Fan fault.

#### NOTE:

*The status indicator will be green if running normal. If it changes to a flashing orange light, this indicates that there is a change in status. There will also be a status indicator code shown on the LED display.*



# MYCOOLMAN CEP FRIDGE-FREEZER

## Product Specifications

Model	CEP47
Product description	Single Zone Fridge / Freezer
Dimensions / mm	Length 672 / Width 600 / Height 480
Weight / kg	17.5
Connection voltage	DC 12/24v / AC 100–240v 50–60Hz
Rated current	12v 4.65 A / 24v 2.8 A / 240v 0.48 A
Climate class	N, T
Refrigerant / quantity	R134a / 45 grams
Cooling capacity	– 18 °C to +10 °C (0 °F to +50 °F)
Volume / litres	47 (approximately 56 x 375 ml cans)

## Warranty Terms & Conditions

To warranty register your unit please head to: <https://mycoolman.com.au/pages/warranty-registration> and upload a copy of your proof of purchase as well as completing the online form.

When you buy myCOOLMAN Fridge-Freezer you have peace of mind knowing that it is backed by a comprehensive 3 year warranty against defects in materials and workmanship. The myCOOLMAN warranty is provided in addition to any rights provided under Australian Consumer Law. All claims under this warranty should be made by returning the product to the place of purchase at your expense, with the detail of the fault, proof of purchase and fitment details. If we determine that a myCOOLMAN product is defective in materials or workmanship during the warranty period, we will either repair or replace the unit.

This warranty does not apply to failure or damage to a myCOOLMAN product caused by incorrect or faulty fitment, accidental or intentional damage, failure of other products, incorrect application, incorrect voltage, environmental damage, operation of the product outside of its environmental and technical specifications, or repair or modification carried out by anyone other than an authorised repairer.

Designed in Germany, made in China for

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