

# EVAKOOL RV25, RV35, RV62, RV82 DC Compressor Portable Fridge/Freezer Operation Manual

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**Please read this manual carefully before using your unit.**

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## **Key Product Features:**

- Powered by 12 Volt DC Compressor.
- Reliable electronics, high efficiency, low energy consumption.
- Multi-voltage system DC (12 and 24 Volt ) and AC (240 Volt)

## **1. Safety Instructions**

- **Warning:** Do not use your unit if any cabling is damaged, frayed or exposed.
- **Warning:** Do not attempt or continue to operate your unit if it is wet.
- When using the unit ensure the circuit being used has a fuse or circuit breaker, recommended size for DC 12 Volt is 15 Amp, DC 24 Volt is 7.5 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.

## **2. Notes on using the product**

- Your unit requires good ventilation, especially around the vents of the refrigerator; allow a gap of at least 100mm around all vents.
- Do not allow a large amount of frost to build up on the inside walls as this may impair cooling. Defrost by turning the unit off, allowing the frost to melt and wiping out the water.
- 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.
- It is recommended to operate the unit on a flat surface, but it will operate at angles up to 30°.

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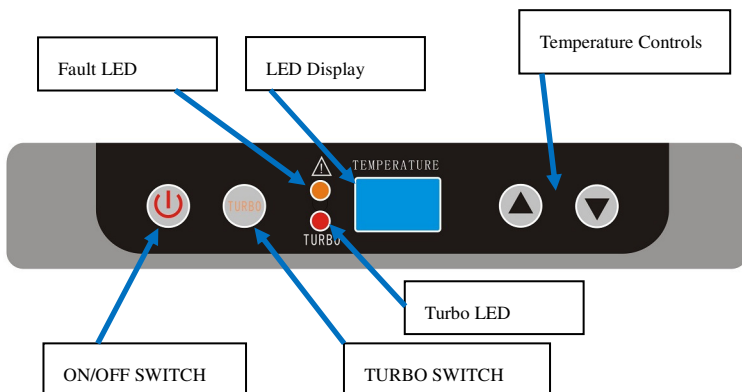
## 3. Operation

- **Power:** DC (12 and 24 Volt) or AC (240 Volt)
- **Cable Length Specification**

The DC cables must have a suitable cross-section for their length (measured from the battery to the unit), according to this table:

Cable Thickness		12V Max Cable Length		24V Max Cable Length	
[mm <sup>2</sup> ]	AWG	[m]	[ft.]	[m]	[ft.]
2.5	14	2.5	8	5	16
4	12	4	13	8	26
6	10	6	20	12	39
10	8	10	33	20	66






### LCD Control Panel



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Temperature setting range: -18°C to 10°C

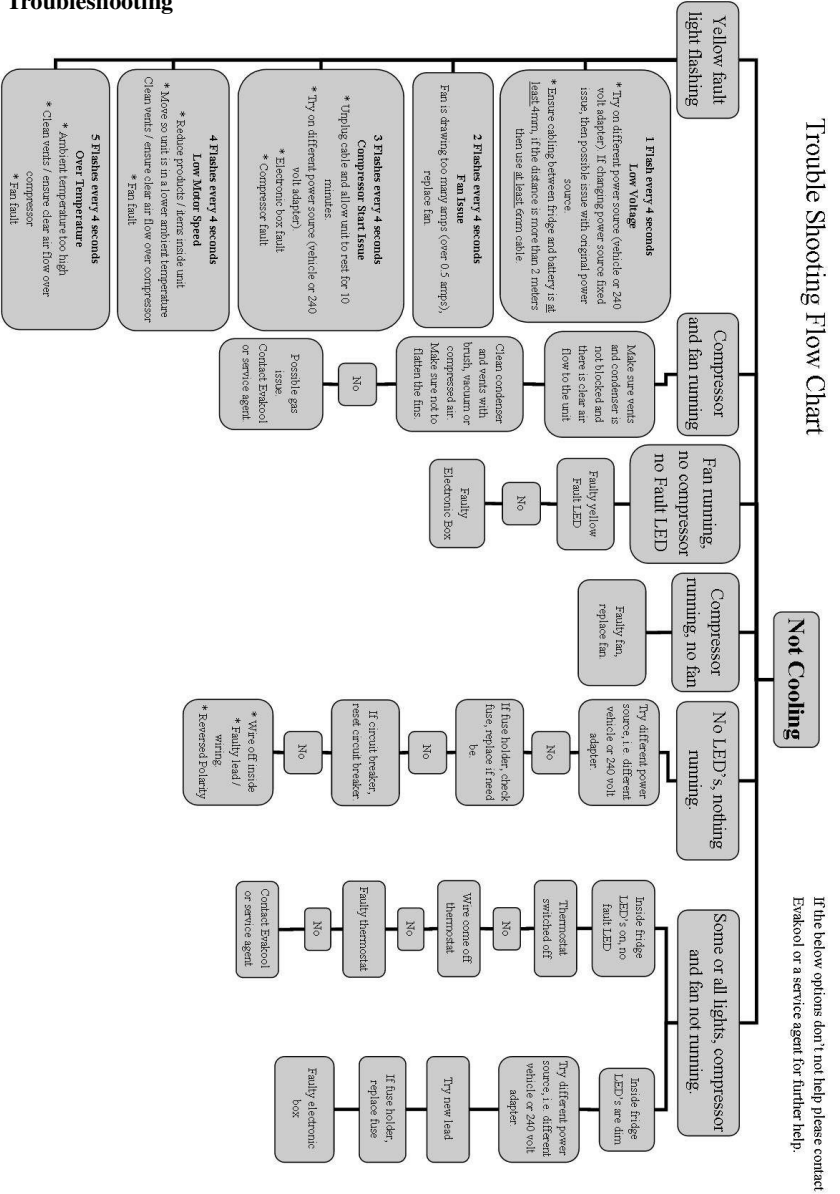
- Plug in the DC/AC power cable.
- Press  button to turn on unit. The LED display on the control panel will turn on and the interior temperature is displayed.
- Press the button UP or DOWN button to adjust the temperature the unit aims to achieve. Press the button  to increase or the button  to decrease the temperature.
- Press the Turbo button to increase the speed of the compressor. This setting can be used when you need to cool product quicker.
- If the power supply is cut off or disconnected, the unit will switch off automatically and once the power supply is restored it will automatically switch back on.

#### 4. **Cleaning and maintenance**

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

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## 5. Troubleshooting



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## **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 been placed inside the unit
- There is too much warm product inside the unit
- The lid is unlatched / or open
- The lid seal is broken
- Problems arising from poor ventilation (allow 100mm of space around all vents)
- The ambient temperature is too high
- The temperature setting is too high

## **Can hear the sound of running water 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 please contact Evakool on 07 5492 7777 or [warranty@evakool.com](mailto:warranty@evakool.com) for details of your closest Evakool service centre.

## **6. International Certification Approvals**

