

INDUSTRY KITCHENS

www.industrykitchens.com.au 1800 611 058

POLAR

Multideck Fridge/Freezer

Instruction manual



Model:

GP485-A / GP486-A / GP487-A / GP488-A

Safety Instructions

- Position on a flat, stable surface.
- A service agent/qualified technician should carry out installation and any repairs if required. Do not remove any components or service panels on this product.
 - **In Queensland the service agent/qualified technician MUST hold a Gas Work Authorisation or License for hydrocarbon refrigerants if the appliance gas system is being opened or charged.**
- Consult Local and National Standards to comply with the following:
 - Health and Safety at Work Legislation
 - Fire Precautions
 - IEE Wiring Regulations
 - Building Regulations
- DO NOT use jet/pressure washers to clean the appliance.
- DO NOT use the appliance outside.
- DO NOT use this appliance to store medical supplies.
- DO NOT allow oil or fat to come into contact with the plastic components or door seal. Clean immediately if contact occurs.
- DO NOT store products on top of the appliance.
- Always carry, store and handle the appliance in a vertical position and move by holding the base of the appliance.
- Always switch off and disconnect the power supply to the unit before cleaning.
- Keep all packaging away from children. Dispose of the packaging in accordance with the regulations of local authorities.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

- If the power cord is damaged, it must be replaced by a POLAR agent or a recommended qualified technician in order to avoid a hazard.
- POLAR recommend that this appliance should be periodically tested (at least annually) by a Competent Person. Testing should include, but not be limited to: Visual Inspection, Polarity Test, Earth Continuity, Insulation Continuity and Functional Testing.

Warning: Risk of Fire

- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.



Warning: Keep all ventilation openings clear of obstruction. Unit should not be boxed in without adequate ventilation.

- **To comply with AS/NZS 60079.10.1:2009: Ensure there are not sources of ignition in any area where refrigerant could gather in the event of a leak.**
- **Electrical equipment should not be placed under the vent or where refrigerant could gather in the event of a leak.**
- **Warning:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- **Warning:** Do not damage the refrigerant circuit.
- **Warning:** Do not use electrical appliances inside the food storage compartments of the appliance.

Product Description

GP485-A - Multideck fridge with double doors
GP486-A - Multideck fridge with triple doors
GP487-A - Multideck freezer with double doors
GP488-A - Multideck freezer with triple doors

Introduction

Please take a few moments to carefully read through this manual. Correct maintenance and operation of this machine will provide the best possible performance from your POLAR product.

Pack Contents

The following is included:

- POLAR Display fridge/freezer
- Shelves
- Keys
- Instruction Manual
- Remote control (1xCR2025 3V battery required)

POLAR prides itself on quality and service, ensuring that at the time of unpacking the contents are supplied fully functional and free of damage.

Should you find any damage as a result of transit, please contact your POLAR dealer immediately.

Installation

Note: Not for use in vans or trailers, food trucks or similar vehicles.

If the unit has not been stored or moved in an upright position, let it stand upright for approximately 12 hours before operation. If in doubt allow to stand.

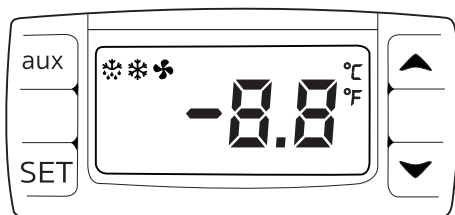
1. Remove the appliance from the packaging. Make sure that all protective plastic film and coatings are thoroughly removed from all surfaces.
2. To optimize performance and longevity, ensure a minimum clearance of 2.5cm is maintained between the unit and walls and other objects, with a minimum 20cm clearance on the top. **NEVER LOCATE NEXT TO A HEAT SOURCE.**

Note: Before using the appliance for the first time, clean the shelves and interior with soapy water then dry well.

Operation

Control Panel

The control panel is located below the doors on the front of the appliance.

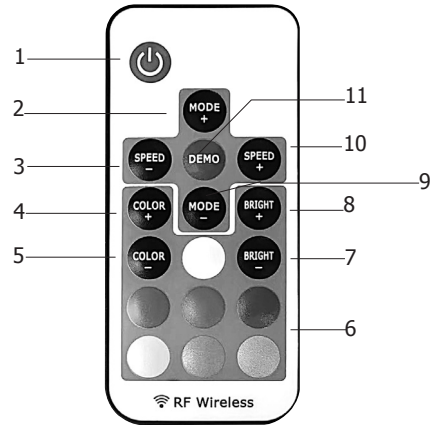


4

Turn On

1. Close the door of the appliance.
2. Connect the appliance to a mains power supply.
3. Turn the light switch On [I] or Off [O] as desired.

Using the LED light



1. Turn on/standby
Press this key to turn on or enter standby mode.
- 2/9. Dynamic mode adjustment
Switch to dynamic mode from static colour, or switch between dynamic modes.
- 3/10. Dynamic speed adjustment
Adjust dynamic displaying speed. Press 'SPEED+' or 'SPEED-' to increase or decrease. Press this key while in static colour mode to switch to dynamic mode.
- 4/5. Static colour adjustment
Switch to static colour mode from dynamic mode, or switch between static colours.
6. Direct colour selection
Shortcut keys to desired static colours.
- 7/8. Brightness adjustment
Press 'BRIGHT+' or 'BRIGHT-' to increase or decrease brightness. Press this key while in dynamic mode to switch to static colour mode.
11. Demo mode
Press this key to switch to Demo mode. In demo mode, 17 dynamic modes will be displayed in loop, each repeated for 3 times.

Set the Operating Temperature

1. Press the **SET** button for 3 seconds. The display will flash.
2. Press the ▲ or ▼ buttons to display the required temperature.
3. Press the **SET** button to store the temperature.

Storing Food

To get the best results from your POLAR appliance, follow these instructions:

- Only store foodstuffs in the appliance when it has reached the correct operating temperature.
- Do not place uncovered items as below inside the appliance, as this can lead to a damaged and leaking evaporator, and thus void your warranty: hot food, hot liquids, acidic fluids, acidic products.
- Wrap or cover food where possible.
- Do not obstruct the fans inside the appliance.
- Avoid opening the doors for prolonged periods of time.

Lock/Unlock the Doors

A lock is fitted to the doors to ensure foodstuffs are kept secure within your POLAR appliance.

Use the keys provided to lock/unlock the door.

Cleaning, Care & Maintenance



Switch off and disconnect from the power supply before cleaning.

- Clean the interior of the appliance as often as possible.
- Do not use abrasive cleaning agents. These can leave harmful residues.
- Clean the door seal with water only.
- Always wipe dry after cleaning.
- Do not allow water used in cleaning to run through the drain hole into the evaporation pan.
- Take care when cleaning the rear of the appliance. Sharp edges can cut.

Refrigerating tips:

Condensation and ice will form with frequent and prolonged opening of the doors.

Operating outside of the recommend temperature range and placing next to a heat source will also increase the amount of ice and internal/external condensation. If external condensation occurs wipe the surface down with a cloth.

Excessive ice will result in longer running times that will increase energy consumption and increase the deterioration of components.

If the gasket or seal is damaged or deformed, energy consumption will increase. To restore efficiency, replace gasket.

Do not obstruct fans and do not exceed max load lines, as doing so will impact air distribution and increase energy usage.

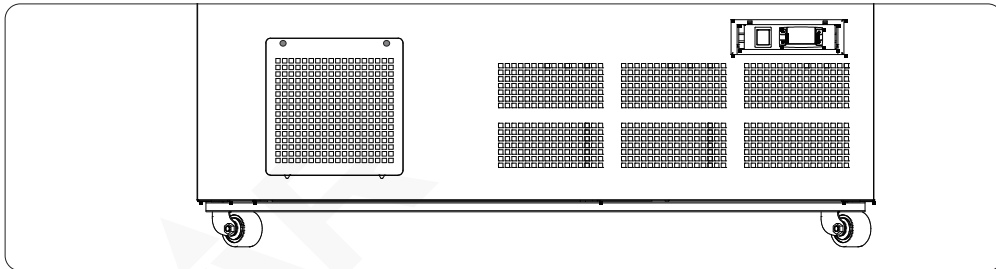
Replacing the Interior Lamp

Caution: Allow the lamp to cool before replacing. The lamp remains hot immediately after use.

1. Turn Off and disconnect the appliance from the mains power supply.
2. Unscrew the plastic lamp cover.
3. Remove the lamp by twisting it from the lamp sockets.
4. Insert the new lamp and replace the cover.

Cleaning the Condenser

- The condenser is part of the refrigeration system. The condenser requires monthly cleaning.
- Always disconnect power supply before carrying out Routine Maintenance.
- Failure to clean the condenser will increase energy consumption, reduce the performance and life of your Polar unit, and thus may invalidate your warranty.
- The condenser is located below the refrigeration cabinet behind a removable panel (see below). These models have a removable filter which can be cleaned with a vacuum cleaner.



Technical Specifications

Note: Due to our continuous improvement process, the product specifications are subject to change without notice.

Model	Voltage	Power	Current	Temperature Range	Refrigerant
GP485-A	220-240V~ 50Hz	300W	3.0A	0°C ~ 10°C	R290, 145g
GP486-A		580W	3.5A	0°C ~ 10°C	R290, 150g
GP487-A		1100W	6.0A	-10°C ~ -24°C	R290, 150g
GP488-A		1700W	7.0A	-10°C ~ -24°C	R290, 150g

Model	Dimensions H x W x D mm	Net usable capacity (L)	Net Weight (kg)
GP485-A	1963 x 1220 x 764	535	187
GP486-A	1963 x 1830 x 764	816	260
GP487-A	1963 x 1220 x 764	535	194
GP488-A	1963 x 1830 x 764	816	276

Note: For optimal product performance and efficiency, please ensure to mind the net usable capacity (load limit) when filling.

Troubleshooting

A qualified technician must carry out repairs if required.

Fault	Probable Cause	Solution
The appliance is not working	The unit is not switched on	Check the unit is plugged in correctly and switched on
	Plug or lead is damaged	Replace Plug or lead
	Mains power supply fault	Check mains power supply
The appliance turns on, but the temperature is too high/low	Too much ice on the condenser	Defrost the appliance
	Condenser blocked with dust	Clean the condenser
	Doors are not shut properly	Check doors are shut and seals are not damaged
	Appliance is located near a heat source or air flow to the condenser is being interrupted	Move the refrigerator to a more suitable location
	Ambient temperature is too high	Increase ventilation or move appliance to a cooler position
	Unsuitable foodstuffs are being stored in the appliance	Remove any excessive hot foodstuffs or blockages to the fan
	Appliance is overloaded	Reduce the amount of food stored in the appliance
The appliance is leaking water	The appliance is not properly levelled	Adjust the screw feet to level the appliance (if applicable)
	The discharge outlet is blocked	Clear the discharge outlet
	Movement of water to the drain is obstructed	Clear the floor of the appliance (if applicable)
	The water container is damaged	Replace the water container
	The drip tray is overflowing	Empty the drip tray (if applicable)
The appliance is unusually loud	Loose nut/screw	Check and tighten all nuts and screws
	The appliance has not been installed in a level or stable position	Check installation position and change if necessary
The display lamp does not illuminate	Lamp needs replacing	Replace the lamp

Electrical Wiring

The plug is to be connected to a suitable mains socket.

POLAR appliances are wired as follows:

- Live wire (coloured brown) to terminal marked L
- Neutral wire (coloured blue) to terminal marked N
- Earth wire (coloured green/yellow) to terminal marked E

This appliance must be earthed.



If in doubt consult a qualified electrician.

Electrical isolation points must be kept clear of any obstructions. In the event of any emergency disconnection being required they must be readily accessible.

Compliance



Dispose of depleted batteries in accordance with local regulations, within the EC there are nominated disposal points for batteries.

The product must not be disposed of as household waste. To help prevent possible harm to human health and/or the environment, the product must be disposed of in an approved and environmentally safe recycling process. For further information on how to dispose of this product correctly, contact the product supplier, or the local authority responsible for waste disposal in your area.

POLAR parts have undergone strict product testing in order to comply with regulatory standards and specifications set by international, independent, and federal authorities.



POLAR products have been approved to carry the following symbol:

	WARNING	
KEEP OUT OF REACH OF CHILDREN Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.		

All rights reserved. No part of these instructions may be produced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of POLAR.
 Every effort is made to ensure all details are correct at the time of going to press, however, POLAR reserve the right to change specifications without notice.

DECLARATION OF CONFORMITY

- Conformiteitsverklaring • Déclaration de conformité • Konformitätserklärung • Dichiarazione di conformità •
• Declaración de conformidad

Equipment Type • Uitrustingstype • Type d'équipement • Gerätetyp • Tipo di apparecchiatura • Tipo de equipo		Model • Modèle • Modell • Modello • Modelo
G-series Multideck Fridge with Double Doors G-series Multideck Fridge with Triple Doors G-series Multideck Freezer with Double Doors G-series Multideck Freezer with Triple Doors		GP485 (-E & -A) GP486 (-E & -A) GP487 (-E & -A) GP488 (-E & -A)
Application of Territory Legislation & Council Directives(s) Toepassing van Europese Richtlijn(en) • Application de la/des directive(s) du Conseil • Anwendbare EU-Richtlinie(n) • Applicazione delle Direttive • Aplicación de la(s) directiva(s) del consejo	Machinery Directive 2006/42/EC Supply of Machinery (Safety) Regulations 2008 EN 60335-2-89:2010 +A1:2016 +A2:2017 EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019 +A15:2021 EN62233:2008 Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU - recast of 2004/108/EC Electromagnetic Compatibility Regulations 2016 (S.I. 2016/1091) EN IEC 55014-1: 2021 EN IEC 55014-2: 2021 EN IEC 61000-3-2: 2019+A1:2021 EN 61000-3-3: 2013+A1:2019+A2: 2021 Restriction of Hazardous Substances Directive (RoHS) 2015/863 amending Annex II to Directive 2011/65/EU Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012/3032)	Electrical Safety IEC 60335-2-89: 2010 +A1:2012 +A2:2015 IEC 60335-1:2010 +A1:2013 +A2:2016 Electromagnetic Compatibility EN IEC 55014-1:2021 EN IEC 55014-2: 2021 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2: 2021
Manufacturer Name • Naam fabrikant • Nom du fabricant • Name des Herstellers • Nome del fabbricante • Nombre del fabricante		Polar

I, the undersigned, hereby declare that the equipment specified above conforms to the above Territory Legislation, Directive(s) and Standard(s).

Ik, de ondergetekende, verklaar hierbij dat de hierboven gespecificeerde uitrusting goedgekeurd is volgens de bovenstaande Richtlijn(en) en Standaard(en).

Je soussigné, confirme la conformité de l'équipement cité dans la présente à la / aux Directive(s) et Norme(s) ci-dessus

Ich, der/die Unterzeichnende, erkläre hiermit, dass das oben angegebene Gerät der/den oben angeführten Richtlinie(n) und Norm(en) entspricht.

Il sottoscritto dichiara che l'apparecchiatura di sopra specificata è conforme alle Direttive e agli Standard sopra riportati.

El abajo firmante declara por la presente que el equipo arriba especificado está en conformidad con la(s) directiva(s) y estándar(es) arriba mencionadas.

Date • Data • Date • Datum • Data •

Fecha • Data

Signature • Handtekening •

Signature • Unterschrift Firma •

Firma

Full Name • Volledige naam • Nom et

prénom • Vollständiger Name • Nome

completo • Nombre completo

Position • Functie • Fonction •

Position • Qualifica • Posición

Manufacturer Address • Adres

fabrikant • Adresse du fabricant •

Adresse des Herstellers • Indirizzo del

fabbricante • Dirección del fabricante

22th Feb 2024

DocuSigned by:

Ashley Hooper

B39382C9FD9C478...

DocuSigned by:

Eoghan Donnellan

D35287477FAB460...

DocuSigned by:

Brendan Denmeade

D052C5837EB7465...

Ashley Hooper

Eoghan Donnellan

Brendan Denmeade

Group Head of Product
Quality & Compliance

Commercial Manager/
Importer

Commercial Manager/
Responsible
Supplier

Fourth Way,
Avonmouth,
Bristol,
BS11 8TB
United Kingdom

Unit 9003,
Blarney Business Park,
Blarney,
Co. Cork
Ireland

15 Badgally Road,
Campbelltown
NSW 2560



POLAR



<http://www.polar-refrigerator.com/> 

GP485-A to GP488-A_A5_v1_2024/09/04