



## Display Cooler

### Instruction manual



**Model:**

**GE580-A/GE581-A/GM813-A/GM814-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
  - Wiring Regulations
  - Building Regulations
- DO NOT immerse in water, or use steam/jet washers to clean the unit.
- DO NOT cover the appliance when it is operating.
- Always carry, store and handle appliance in a vertical position.
- Never tilt the appliance more than 45° from the vertical.
- Not suitable for outdoor use.
- Keep all packaging away from children. Dispose of the packaging in accordance with the regulations of local authorities.
- 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.
- 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.
- Children should be supervised to ensure that they do not play with the appliance.

- 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.

## **Pack Contents**

The following is included:

- Display Cooler
- Instruction manual

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 and the protective film from all surfaces.
2. Avoid positioning the cooler in direct sunlight or damp areas.
3. 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.**
4. Set the brakes on the castors to keep the appliance in position.

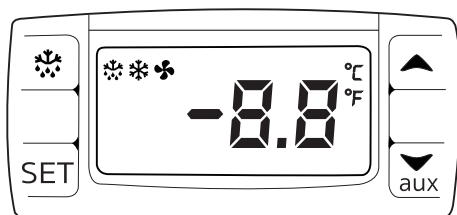
**Note: Before using the appliance for the first time, clean the shelves and interior with soapy water then dry well.**

## Operation

### Turn On

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

### Control Panel



### Set the Operating Temperature

1. Hold 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.

### Manual Defrost

The appliance will automatically run a defrost cycle every 4 hours.

To manually defrost the appliance: Press and hold the defrost button "❄" for 2 seconds to begin a manual defrost. The defrost light illuminates.

## 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.
- Always wipe dry after cleaning.
- If left unused for any length of time, store the appliance with the door ajar.

**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.**

## 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 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
Appliance is noisy or works intermittently	Appliance is not level	Check installation position and change if necessary
	The appliance is touching a neighbouring object	Check installation position and change if necessary
Cooler cabinet is not cold enough	Temperature set incorrectly	Check temperature and reset if necessary
	External environment may require colder temperature	Check temperature and reset if necessary
	The door is opened too often	Only open when necessary
	Door seal is worn	Replace the seal
Water box overflowing	Ambient conditions	Turn Power Off and remove plug from socket. Remove back panel and scoop the water out
Condensation	Condensation may occur when the humidity is high and water particles in the air contact with cold surfaces. This is normal, just wipe away with a dry cloth	

## Technical Specifications

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

Model	Voltage	Power	Current	Temp. Range	Refrigerant	Dimensions H x W x D mm	Weight (kg)	Shelf load (Max.)
GE580-A	220- 240V~ 50Hz	500W	3.4A	2°C-10°C	R290	2068 x 1200 x 728	160	25kg
GM813-A								
GE581-A		500W	3.4A	2°C-10°C	R290	2068 x 1200 x 715	155	25kg
GM814-A								

## Electrical Wiring

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

This appliance is 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



The appliances 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

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:



**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 Upright Display Cooler With Light Box 950L- Hinged Door G series Upright Display Cooler With Light Box 950L- Sliding Door G series Upright Display Cooler With Light Box Hinged Door - Black G series Upright Display Cooler With Light Box Sliding Door - Black	GE580 (-E & -A) GE581 (-E & -A) GM813 (-E & -A) GM814 (-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	<b>Machinery Directive 2006/42/EC</b> Supply of Machinery (Safety) Regulations 2008 EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019 +A15:2021 EN 60335-2-89:2010 +A1:2016 +A2:2017 EN62233:2008 AFPS GS 2019:01 PAK EK1 527-12 Rev.2 <b>Electro-Magnetic Compatibility (EMC) Directive</b> <b>2014/30/EU - recast of 2004/108/EC</b> 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 IEC 61000-3-3: 2013 +A1:2019 EN IEC 55015: 2019 +A11 EN 61547: 2009 <b>Restriction of Hazardous Substances Directive</b> <b>(RoHS) 2015/863 amending Annex II to Directive</b> <b>2011/65/EU</b> Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012/3032)
Manufacturer Name • Naam fabrikant • Nom du fabricant • Name des Herstellers • Nome del fabbricante • Nombre del fabricante	<b>Polar</b>

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

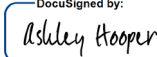

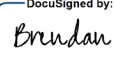
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Full Name • Volledige naam • Nom et  
prénom • Vollständiger Name • Nome  
completo • Nombre completo

Position • Functie • Fonction •  
Position • Qualifica • Posición

Manufacturer Address • Adres  
fabrikant • Adresse du fabricant •  
Adresse des Herstellers • Indirizzo del  
fabbricante • Dirección del fabricante

07<sup>th</sup> Nov 2024

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# POLAR



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

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