



## POLAR GE580 Series Display Cooler Instruction Manual

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### POLAR GE580 Series Display Cooler Instruction Manual



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## 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:

1. Display Cooler
2. 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.*

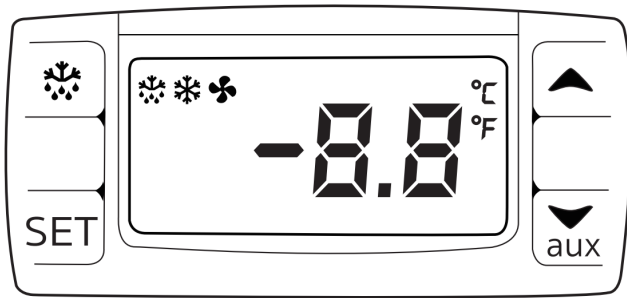
## Operation

### 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.***

### 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
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	220-240 V~50Hz	500W	3.4A	2°C-10°C	R290	2068 x 1200x 728	160	30kg
GM813-A								
GE581-A		500W	3.4A	2°C-10°C	R290	2068 x 1200x 715	155	30kg
GM 814-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**

Equipment Type	Model
<b>Chilled Display refrigerator:</b> ‘G SERIES’ Upright Display Cooler with Light Box 950 L- 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)

<b>Application of Territory Legislation &amp; Council Directives(s)</b>	<p><b>Machinery Directive 2006/42/EC Supply of Machinery (Safety) Regulations 2008</b> (BS) EN 60335-1:2012 +A11:2014 +A13:2017 (BS) EN 60335-2-89:2010 +A1:2016 +A2:2017 (BS) EN 62233:2008</p> <p><b>Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU – recast of 2004/108/EC</b> <b>Electromagnetic Compatibility Regulations 2016 (S.I.2016/1091)</b>(BS) EN 55014-1:2017(BS) EN 55014-2:2015(BS) EN 61000-3-2:2014(BS) EN 61000-3-3:2013</p> <p><b>Ecodesign energy-related products Directive 2009/125/EC; Regulation (EU) 2019/2024 – Directionless sales refrigerators</b> ISO 23953-2:2015</p> <p><b>Restriction of Hazardous Substances Directive (RoHS) 2015/863 amending Annex II to Directive 2011/65/EU</b></p> <p><b>Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012/3032)</b></p>	<p><b>Electrical Safety</b> IEC 60335-1:2010 +A1:2013 +A2:2016 IEC 60335-2-89:2010 +A1:2012 +A2:2015 EN 62233:2008</p> <p><b>Electromagnetic Compatibility</b> EN 55014-1:2017 EN 55014-2:2015 EN 61000-3-2:2014 EN 61000-3-3:2013</p>
<b>Manufacturer Name •</b>		<b>Polar</b>

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

<b>Date: 30th August 2022</b>			
<b>Signature</b>			
<b>Full Name</b>	<b>Ashley Hooper</b>	<b>Eoghan Donnellan</b>	<b>Brendan Denmeade</b>
<b>Position</b>	<b>Group Head of Product Quality and Compliance</b>	<b>Commercial Manager/ Importer</b>	<b>Commercial Manager/ Responsible Supplier</b>
<b>Manufacturer Address</b>	<b>Fourth Way, Avonmouth, Bristol, BS11 8TB United Kingdom</b>	<b>Unit 9003, Blarney Business Park, Blarney, Co. Cork Ireland</b>	<b>15 Baginbally Road, Campbell 2560</b>





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



## Documents / Resources



### [POLAR GE580 Series Display Cooler](#) [pdf] Instruction Manual

GE580-A, GE581-A, GM813-A, GM814-A, GE580 Series Display Cooler, GE580 Series, GE580 Series Cooler, Display Cooler, Cooler

## References

- [P Polar Refrigeration - Commercial Refrigeration](#)
- [User Manual](#)

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