



POLAR CD229-A Refrigerated Display Merchandiser Instruction Manual

[Home](#) » [Polar](#) » POLAR CD229-A Refrigerated Display Merchandiser Instruction Manual 

POLAR
Refrigerated
Merchandiser
Instruction manual



Model:
CD229-A / CD230-A

Contents

- 1 Safety Instructions
- 2 Product Description
- 3 Pack Contents
- 4 Installation
- 5 Operation
- 6 Cleaning, Care & Maintenance
- 7 Troubleshooting
- 8 Technical Specifications
- 9 Compliance
- 10 Documents / Resources
 - 10.1 References

Safety Instructions

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.

- 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 Authorization 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 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.
- Bottles that contain a high percentage of alcohol must be sealed and placed vertically in the refrigerator.
- 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.
- Children should be supervised to ensure that they do not play with the appliance.
- 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.
- 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.



Caution: 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

CD229-A – POLAR Refrigerated Display Merchandiser 120 litre

CD230-A – POLAR Refrigerated Display Merchandiser 160 litre

Pack Contents

The following is included:

- POLAR Counter-Top Refrigerated Merchandiser
- Shelves x 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.

- Remove the appliance from the packaging. Make sure that all protective plastic film and coatings are thoroughly removed from all surfaces.
- 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 therein of the appliance.



Turn On

1. Close the doors of the appliance.
2. Connect the appliance to a mains power supply.
3. Press the  button to turn the light On or Off as required.

Setting the Operating Temperature

1. Press the SET button. 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

Press and hold the button for 6 seconds to begin automatic defrost. The defrost light illuminates.

Cleaning, Care & Maintenance

1. Switch off and disconnect from the power supply before cleaning.
2. The doors can be removed for ease of cleaning.
3. Clean the interior of the appliance as often as possible.
4. Do not use abrasive cleaning agents. These can leave harmful residues.
5. Clean the door seal with warm soapy water.

6. Always wipe dry after cleaning.

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.

Replacing the Interior Lamp

Call your POLAR dealer or a qualified electrician, the Lamp Assembly is available to purchase as a spare part.

Cleaning the Condenser

Periodically cleaning the condenser can extend the life of the appliance.

POLAR recommend that a POLAR agent or qualified technician clean the condenser.

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, in the direct sunlight 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 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 appliance is unusually loud	Loose screw/nut	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
	Light not turned on	Ensure Light button has been pressed properly
Door does not shut	Dirt/obstacle in runners	Clean runners
Error code EE4	<ul style="list-style-type: none"> • Restricted Airflow • Blocked Condenser 	<ul style="list-style-type: none"> • Increase airflow • Clean the condenser

Technical Specifications

Note: Due to our continuing program of research and development, the specifications herein may be subject to change without notice.

Model	Voltage	Power (W)	Current (A)	Temperature Range	Capacity (Ltr)	Refrigerant	Dimensions H x W x D mm	Weight (kg)
CD229-A	220-240V	160	1.4A	2°C to 12°C	120	R600a (50 g)	686 x 696 x 568	57
CD230-A	50Hz	200	1.4A	2°C to 12°C	160	R600a (65 g)	686 x 874 x 568	66

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

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

POLAR appliances are wired as follows:

- Live wire (cultured brown) to terminal marked L
- Neutral wire (cultured blue) to terminal marked N
- Earth wire (cultured 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

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:

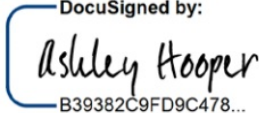


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Every effort is made to ensure all details are correct at the time of going to press, however, POLAR reserve the right to change specifications without notice.

DECLARATION OF CONFORMITY

Equipment Type		Model
Countertop Refrigerated Merchandiser (Digital Controller) Black Countertop Refrigerated Merchandiser (Digital Controller) White Refrigerated Display Merchandiser – 120Ltr Refrigerated Display Merchandiser – 160Ltr		CC611 (& -E -A) CC666 (& -E -A) CD229 (& -E -A) CD230 (& -E -A)
Application of Territory Legislation & Council Directives(s)	<p>Low Voltage Directive (LVD) – 2014/35/EU (BS) EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019 (BS) EN 60335-2-89:2010 +A1:2016 +A2:2017 (BS) EN 62233:2008 Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU – recast of 2004/108/EC (BS) EN IEC 61000-6-1: 2019 (BS) EN IEC 61000-6-3: 2021 Eco-design energy-related products Directive 2009/125/EC; Regulation (EU) 2019/2024 – Ecodesign direct sales refrigerators (BS) ISO 23953-1:2015 (BS) ISO 23953-2:2015 Restriction of Hazardous Substances Directive (RoHS) 2015/863 amending Annex II to Directive 2011/65/EU</p>	<p>Electrical Safety EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019EN 60335-2-89:2010 +A1:2016 +A2:2017 EN 62233:2008 Electromagnetic Compatibility EN IEC 61000-6-1: 2019 EN IEC 61000-6-3: 2021</p>
Producer Name		Polar

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

Date	9th May 2023		
Signature	<div>DocuSigned by:  B39382C9FD9C478...</div> <div>DocuSigned by:  D352874F7FAB460...</div> <div>DocuSigned by:  D052C5837EB7465...</div>		
Full Name	Ashley Hooper	Eoghan Donnellan	Brendan Denmeade
Position	Technical & Quality Manager	Commercial Manager/ Importer	Commercial Manager/ Responsible Supplier
Producer Address	Fourth Way, Avonmouth, Bristol, BS11 8TB United Kingdom	Unit 9003, Blarney Business Park, Blarney, Co. Cork Ireland	15 Baginbally Road, Campbeltown NSW 2560






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

CD229-A_CD230-A_A5_v4_2023/05/31



Documents / Resources

	<p>POLAR CD229-A Refrigerated Display Merchandiser [pdf] Instruction Manual CD229-A, CD230-A, CD229-A Refrigerated Display Merchandiser, Refrigerated Display Merch andiser, Display Merchandiser, Merchandiser</p>
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References

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