



Refrigerated Merchandiser

Instruction manual



Model:
CD229-A / CD230-A

Safety Tips

- 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.
- 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 use electrical appliances inside the appliance (e.g. heaters, ice cream makers, etc.)
- 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.
- 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 is PAT tested on an annual basis to ensure the product remains safe.



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.

- **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, unless they are the type recommended by the manufacturer.

Product Description

CD229-A - POLAR Refrigerated Display Merchandiser 120 litre

CD230-A - POLAR Refrigerated Display Merchandiser 160 litre

Pack Contents

- POLAR Counter-Top Refrigerated Merchandiser
- Shelves x 2
- Instruction manual

POLAR prides itself on quality and service, ensuring that at the time of packaging 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: 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. Maintain a distance of 20cm (7 inches) between the unit and walls or other objects for ventilation. **NEVER LOCATE NEXT TO OR NEAR A HEAT SOURCE.**

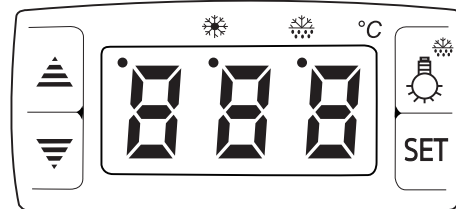


Note: Before using the appliance for the first time, clean the shelves and interior with soapy water.


Operation

Control Panel

The control panel is located below the doors on the rear 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

Table of Controller Parameters

The operating parameters of this appliance have been preset for optimum performance and to maximise the life of the appliance

Display	Parameter	Preset Value	Range
E1	Lower set temperature	0°C	-20°C to 2°C
E2	Upper set temperature	12°C	2°C to 45°C
E3	Temperature buffer	4°C	1°C to 10°C
E4	Temperature buffer time delay	3 minutes	0 to 10 minutes
E5	Fixed parameter	0	DO NOT CHANGE
E6	Fixed parameter	00	DO NOT CHANGE
F1	Defrost period	25 minutes	1 to 60 minutes
F2	Defrost interval	6 hours	1 to 24 hours
F3	Defrost temperature	20°C	0°C to 22°C
F4	Centigrade/Fahrenheit	0°C	°C/°F

Should the parameter need adjusting:

1. Press and hold the **SET** button for six seconds. The "E1" parameter is displayed
2. Press the  or  buttons until the required value is displayed
3. Press the **SET** button to store the new value and cycle to the next parameter



NOTE: The controller times out after 10 seconds if no buttons are pressed

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

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

If your POLAR appliance develops a fault, please check the following table before making a call to the Helpline or your POLAR dealer.

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 and lead are damaged	Call POLAR agent or qualified Technician
	Fuse in the plug has blown	Replace the fuse
	Power supply	Check power supply
	Internal wiring fault	Call POLAR agent or qualified Technician

Fault	Probable Cause	Solution
The appliance turns on, but the temperature is too high/ low	Too much ice on the condenser	Defrost the appliance
	Condenser blocked with dust	Call POLAR or qualified technician
	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
	Factory default parameters adjusted	Call POLAR or qualified technician
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	Call POLAR or qualified technician
	Light not turned on	Ensure Light button has been pressed properly
Door does not shut	Dirt/obstacle in runners	Clean runners

Technical Specifications

Model	Voltage	Power (W)	Current (A)	Temperature Range	Capacity (Litres)	Refrigerant	Dimensions H x W x D mm	Weight (kg)
CD229-A	220-240V 50Hz	160	1.4A	0°C to 12°C	120	R600a (50g)	686 x 696 x 568	57
CD230-A	220-240V 50Hz	160	1.4A	0°C to 12°C	160	R600a (65g)	686 x 874 x 568	66

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

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	Refrigerated Display Merchandiser - 120Ltr Refrigerated Display Merchandiser - 160Ltr
Model	CD229-A CD230-A
Legislation	Electrical Safety Electromagnetic Compatibility
Standards	EN 60335.1:2012 +A11:2014 EN 60335.2.49:2003 +A1:2008 +A11:2012 EN 62233:2008 EN 55011:2016 + A1:2017 EN 55014-2:2015 EN 61000-3-2:2014 EN 61000-3-3:2013
Producer Name	Polar
Producer Address	15 Badgally Road, Campbelltown, NSW 2560

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

Date	19 th November 2018
Signature	
Full Name	Ashley Hooper
Position	Technical & Quality Manager/ Responsible Supplier



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

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