



Silent Fridge and Minibar

Operating Instructions

Introduction

Caldura refrigeration products are professional units designed primarily for use in guest rooms.

By employing state of the art digital technology, Caldura Digital Silent Mini Fridges represent a much needed breakthrough in the Hospitality/In-room Fridge market. The Digital Controller ensures optimum power consumption, whilst maintaining first class temperature regulation.

This manual explains how to install and use the fridge, and also contains some important safety advice. Please read it carefully before using the product.

Safety Instructions

In order to avoid electric shock, do not open the casing of the fridge. There are no user serviceable parts inside and any problems should be reported to your supplier.

Never obstruct the air vents.

DANGER - Risk of child entrapment - surplus refrigeration appliances are dangerous, even if they "just sit in the garage for a few days." Before you throw away your old refrigeration appliance, please take off the door and leave the shelves inside so that children may not easily climb inside.

Never allow children to operate, play with, or crawl inside the fridge.

Never clean the unit with flammable liquids, the fumes can create a fire hazard or explosion.

Do not store or use gasoline or any other flammable vapours and liquids in the vicinity of this unit or any other electrical appliance. The fumes can create a fire hazard or explosion.

The unit is supplied fitted with a standard UK 13 amp plug, if the power cord becomes damaged; have it replaced by a qualified electrician. Proper earthing of the unit is essential for your safety. Any excess cord should be secured behind the unit and not left exposed or dangling to prevent accidental injury.

Installation

Before use, please carry out the following installation procedure:

Clean the interior of the unit with lukewarm water using a soft damp cloth. The unit should be installed in a cool, dry place, out of direct sunlight, where the ambient temperature is within the range 10 to 25°C. If the ambient temperature is outside of this range, the performance of the unit may be affected.

Place the unit at least 5cm from any walls, on a level surface which is capable of supporting the unit when fully loaded.

If the unit has been transported, tipped up, or disturbed in any other significant way, it should be allowed to settle for **at least two hours** before being connected to the mains.

Connect the unit to a standard 13 amp earthed electrical power outlet using the power cord provided.

This unit is designed for permanent installation only; it is not a portable unit. The unit should not be placed in an enclosed space (e.g. a cupboard) unless our specific build-in instructions have been followed (available on request). The service life of the unit may be significantly reduced if these installation instructions are not adhered to.

Operation

One hour after applying power, the rear of the unit should become warm to the touch, this indicates normal operation. The unit should reach the correct operating temperature within approximately 3 hours.

Once correct operating temperature has been reached, you may begin to load the fridge. Any unchilled items (cans, bottles etc.) should be introduced gradually and not all at once so as to ensure that the refrigeration temperature is not compromised for any significant length of time.

Auto Defrost

The unit features an Intelligent Automatic Defrost function which operates once every 24 hours. The Defrost process is automatically optimized to suit the loading of the fridge. You may notice a small temperature rise during the Auto Defrost process; this is quite normal, and will not affect the contents of the unit.

Cleaning and Maintenance

Condensation may collect inside the fridge under certain weather conditions and this is quite normal. You should remove this with a dry cloth.

Before cleaning the unit, unplug it and remove all the contents and shelves. Wash the inside with a warm water and baking soda solution. The solution should be about 2 tablespoons of baking soda to a litre of water. The outside of the unit should be cleaned with mild detergent and warm water.

If the fridge is not going to be used for a long period of time it should be disconnected from the mains supply, cleaned, dried and the door should be left open to prevent the build up of smells inside.

Adjusting the Temperature

The thermostat is factory set to 6, giving an internal temperature of approximately 4°C (plus or minus 2°).

The temperature can be changed in 1.5 degree increments, **the coldest thermostat setting is 8** and the warmest is 1.

To ensure the most energy efficient operation, do not set the thermostat colder than necessary. The unit must not be set to operate below 2°C.

Adjustment is carried out by tapping the interior light switch plunger located at the top centre of the unit. **The switch is very sensitive and it is important that your finger comes off the plunger between each tap.**

To adjust the thermostat, proceed as follows:

1. Turn off the unit at the mains socket.
2. Open the door.
3. Wait 5 seconds.
4. Turn on the unit.
You will hear 3 two-tone beeps.
5. Tap the switch rapidly **twice**.
You will hear 3 beeps - lo, hi, lo.
6. Tap the switch **once**.
You will hear a number of beeps which is a count of the current thermostat setting (default 6 - you will hear 6 beeps).
7. To advance the thermostat by one (1.5° colder), tap the switch **once**.
You will again hear a number of beeps which will reflect the new thermostat level.
You must wait until the beeps have been heard in full before trying to advance the thermostat once more.
8. Repeat step 7 as necessary until the desired setting is reached.
Once you move past setting 8, the thermostat will wrap back to 1 (warmest setting).
9. When you have set the thermostat as required, tap the switch rapidly **twice** to save the new setting.
You will hear a single two-tone beep and then 3 two-tone beeps.
10. Close the door to return to normal operation.

If at any point you get lost in the process above, just go back to step 1.

Advanced Settings

The Caldura Digital Plus range has a number of advanced features that can be configured using the same programming method as the thermostat setting above.

To configure advanced features, follow the steps above but use step 5 to select the desired feature for modification as indicated in the table below.

#	Confirmation	Description	Range	Notes
2	Lo, Hi, Lo	Thermostat	1 - 8	Coldest is 8
3	Lo, Hi, Hi	Quick Set	1 - 4	1 Fridge 2 Minibar @ 4°C 3 Minibar @ 7°C 4 Student Fridge
4	Hi, Lo, Lo	Door Opened Indicator	1 - 2	1 Off, 2 On
5	Hi, Lo, Hi	Door Closed Confirmation	1 - 2	1 Off, 2 On
6	Hi, Hi, Lo	Automatic Power Save	1 - 10	1 Off, 2 - 10 Days
7	Hi, Hi, Hi	Automatic Standby	1 - 10	1 Off, 2 - 10 Days
8	Hi, Lo, Lo, Lo	Manual Standby	1 - 2	1 Off, 2 On
9	Hi, Lo, Lo, Hi	Open Door Alert	1 - 2	1 Off, 2 On, 3 Progressive
10	Hi, Lo, Hi, Lo	Over Temperature Alert	1 - 2	1 Off, 2 On

Quick Set

Enables all features to be set in one go for a specific operating mode. See table below for modes/features.

	Fridge	Minibar @ 4°C	Minibar @ 7°C	Student Fridge
Can Store Perishables	Yes	Yes	No	Yes*
Thermostat Level	6	6	4	6
Door Opened Indicator		•	•	
Door Closed Confirmation		•	•	
Automatic Power Save			3 Days	
Automatic Standby				10 Days
Manual Standby		•	•	•
Open Door Alert	Tone	Progressive	Progressive	Progressive
Over Temperature Alert	•			•

* Student Fridge Mode - Users should be informed that the fridge will automatically switch off after 10 days if the door is not opened.

Door Opened Indicator

A useful time saving feature specifically for hotels that charge for items within the Minibar.

Housekeeping staff can quickly identify whether the door of the unit has been previously opened so that they know whether they need to check and restock the Minibar.

The internal light will pulsate for a brief period to indicate that the door has been previously opened. To reset the indicator, rapidly tap the light switch three times.

The default setting is off.

Door Closed Confirmation

A useful feature specifically for hotels that charge for items within the Minibar.

When the door is closed a two-tone confirmation bleep lets the guest know that the use of the minibar has been noticed.

The default setting is off.

Automatic Power Save

A useful cost saving feature specifically for hotels and guest houses.

If the door is not opened for the programmed number of consecutive days, the thermostat is relaxed by 5 degrees in order to save running costs.

The default setting is off.

Automatic Standby

A useful cost saving feature specifically for hotels, guest houses and student accommodation.

If the door is not opened for the programmed number of consecutive days, the unit will go into Standby Mode (refrigeration is turned off) to save running costs. Power consumption in this mode is reduced to under 0.5 watts in compliance with EU Regulation 1275/2008.

The default setting is off.

Manual Standby

A useful cost saving feature specifically for hotels and guest houses.

When Minibars are built into furniture, it can be quite difficult to turn off the power to them as the plug is often unreachable. With Manual Standby enabled, the door of the unit can be left open and after 10 minutes, the unit will go into Standby Mode (refrigeration is turned off). Power consumption in this mode is reduced to under 0.5 watts in compliance with EU Regulation 1275/2008.

Once the door is closed, the unit will restart.

The default setting is off.

Open Door Alert

If the door is left open for more than one minute, the open door alert sounds and the internal light will flash. The open door alert can be selected either as a single tone, or a progressive alert which gets more and more attention grabbing as the minutes go by to ensure the best possible chance that the situation will be noticed.

The default setting is single tone.

Over Temperature Alert

If the internal temperature rises more than 5 degrees above the set temperature for an extended period of time, an alert tone will sound once per minute to inform the user that there may either be a fault, or that the fridge has been overloaded with unchilled items.

To temporarily silence the alert, turn off the power to the unit for 5 seconds and then turn it on again.

The default setting is on.

Warranty

The Silent Mini Fridge carries a 2 year warranty which covers faults due to workmanship or materials but not accidental damage.

In the event of any warranty query, please contact the retailer you bought the unit from. You will require proof of purchase in order to claim against the warranty.

Technical Data

Model	PL22	PL30	PL40
Voltage	220-240V 50-60Hz		
Max input power	75W		
Average power consumption	0.85KWh/24h	0.9KWh/24h	1.0KWh/24h
Temperature Range	2-12°C		
Capacity	22 litres	30 litres	40 litres
Net Weight	12Kg	14Kg	15.5Kg
Dimensions (w x h x d)	35 x 46 x 39cm	40 x 50 x 42cm	40 x 56 x 47cm

