


FOSTER FM1-23 Controller



FOSTER FM1-23 Controller Instruction Manual

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FOSTER FM1-23 Controller



Product Information

Specifications

- Electrical supply: Residual Current Device (RCD) protected
- Maximum sound level: 70dB(A)

Product Information

- The appliance is designed to provide efficient cooling while ensuring safety measures are followed to prevent damage and personal injury.
- It is important to carefully read and follow the operating instructions provided in this manual.

FAQ

- **Q:** What should I do if the appliance emits a strange sound?
 - **A:** If you notice any unusual sounds, immediately disconnect the appliance from the power supply and contact a qualified service agent for inspection.
- **Q:** Can I use the appliance to cool beverages?
 - **A:** Yes, the appliance is suitable for cooling beverages. Ensure proper storage and follow the recommended temperature settings for optimal performance.

These instructions should be retained and made readily accessible by personnel using the appliance. The instructions should be read thoroughly prior to appliance installation. Failing to follow the advice contained in this manual may result in damage to the appliance and personal injury to the operator.

Symbols

The information contained in this manual is current at the time of publication and is subject to change without notice.

•  **CAREFUL – DANGER**

- Ignoring this sign and remarks may result in personal danger.

•  **INFORMATION**

- Useful hints to make the best use of your appliance.

•  **CAREFUL – DANGER**

- Ignoring this sign and remarks may result in damage to your appliance.

•  **RISK OF FIRE/FLAMMABLE MATERIALS**

- Specific precautions are required to prevent ignition.

Electrical And General Safety

Electrical Safety

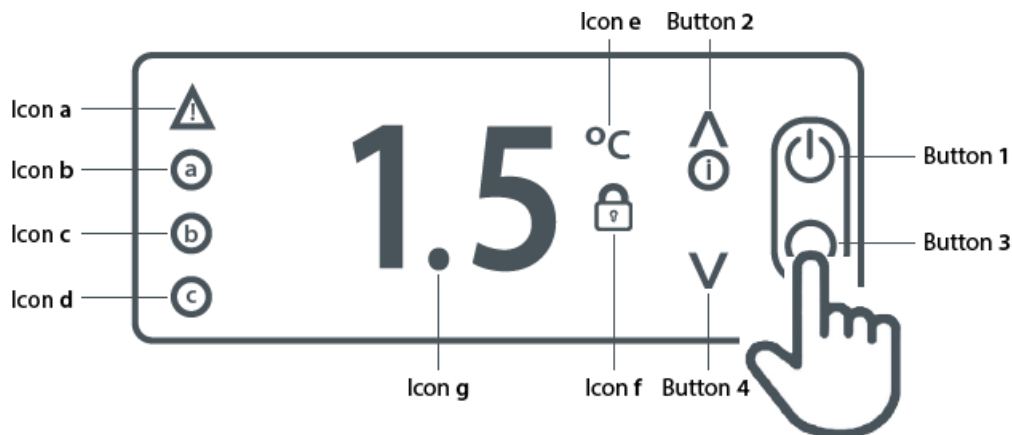
- This equipment shall be connected to an electrical supply protected by a Residual Current Device (RCD).
- This may include a residual current circuit breaker (RCCB) type socket, or through a Residual Current Circuit Breaker with overload protection (RCBO) supplied circuit.
- Should it be necessary to replace the fuse, the replacement fuse must be of the value stated on the serial label for the appliance.

General Safety

- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Keep all ventilation openings in the appliance or in the structure of a built in unit clear of any obstructions.
- Do not use electrical appliances inside the storage compartment.
- Do not use steam cleaners, pressure washers or other jets/sprays of water on or around the appliance.
- The appliance is air tight when the door is closed therefore under no circumstances should any living body be stored or 'locked in' the appliance.
- This appliance is heavy. When moving the appliance care should be taken and correct safe practices followed. The appliance should not be moved over uneven surfaces.
- The emitted sound level of this appliance is not greater than 70dB(A).
- To ensure stability the appliance should be located on a flat, level surface, correctly loaded.
- The worktop should not be sat or stood on.
- Where the appliance is fitted with drawers these should not be used as a step to assist or gain height.
- Where the appliance is fitted with drawers, do not sit or stand in the drawers.
- Do not use the doors or drawers as a support when moving from kneeling to a standing position.
- Do not use mechanical devices to accelerate the defrosting process.
- Care should be taken not to damage the refrigeration circuit and/or system.

- If the supply cord is damaged, it must be replaced by the manufacturer, it's service agent or similarly qualified persons in order to avoid hazards.
- Care should be taken to avoid prolonged contact with cold surfaces with unprotected body parts, correct PPE to be used at all time.

Display Icons and Buttons



Icon		Button	
a	Compressor on / Alarm	1	On / Off / Standby
b	Evaporator fans on	2	Up / Increase value
c	Defrost on	3	Back / Exit
d	2nd operating function on	4	Down / Decrease value
e	°C / User menu active		
f	Keypad locked / Service function active		
g	Decimal point / Defrost active		

Note – Icons a, b, c, d are only visible after pressing either buttons 1, 2, 3 or 4.



The appliance is designed for the storage of product at the appropriate temperature. It is not designed to chill or freeze product from a higher temperature. Using the appliance in this manner may result in malfunction, damage and invalidate the warranty.

Standby

- Pressing button 1 for 3 seconds will turn the unit on or into standby.
- When in standby the display will only display ' – '. The remainder of the display will be blank.
- When operating normally, the display will show the internal temperature of the cabinet.

Set Point

- To display the appliance Set Point, with the display showing the temperature, press button 2 for 3 seconds and

the display will show 'SP'. Then press button 1 once to display the current set point.

- Adjust the set point using button 2 to increase and button 4 to decrease. Press button 1 to save the new value and the display will show 'Loc'. If button 1 is not pressed the new value will not be stored. Exit by pressing button 3.
- If the Set Point cannot be adjusted to the value required please contact your authorised Foster dealer for advice.
- The display will resume normal operation after 30 seconds or if button 3 is pressed.

Keypad Security Settings

The keypad can be locked to prevent unauthorised adjustment of the appliance and it's operating temperature. When the keypad is locked no adjustments can be made using the keypad and icon 'f' will be displayed. To lock or unlock the keypad press and release button 2 for 3 seconds and the display will show 'SP'.

Release the button and then press button 2 once and the display will show 'Loc'. Press button 1 to display the current keypad lock status. Adjust using button 2 and button 4 to set the value to 'Yes' to lock the keypad and 'no' to unlock the keypad. Press button 1 to save the new value. If button 1 is not pressed the new value will not be stored. The display will resume normal operation after 30 seconds or if button 3 is pressed.



Defrost

- The appliance has an automatic defrost function and will defrost periodically each day without any user intervention. This process is normal and does not affect product stored in the appliance. During defrost the appliance can be used as normal.
- To start a defrost manually press and hold button 1 for 5 seconds. This will turn off the appliance. When this happens do not release the button and after 2 more seconds the display will indicate a defrost has commenced (dEF is briefly displayed) and the button can be released.
- The appliance set point temperature will be displayed during defrost and icon 'g' will flash to indicate a defrost is in progress.
- The defrost will operate for it's full duration, it is not possible to cancel a defrost when it has started.

Internal Light

- The light is operated by pressing button '3'. Press once to turn the light on or off.



Keypad Sounds

If the user does not require the keypad to indicate with a sound when a button is pressed this can be turned off. Press and hold button 2 for 3 seconds until the display shows 'SP'. Press button 2 until the display shows 'biP'. Press button 1 to display the current value. 'Yes' indicates keypad sounds are active and 'no' indicates keypad sounds are not active. Select the value required and press button 1 to save the new value. If button 1 is not pressed the new value will not be stored. Exit with button 3.

Alarms Notification

If an alarm condition occurs the appliance will indicate this with an audible signal, by illuminating icon 'a' and displaying a fault code from the list in the 'Troubleshooting' section of this manual. The audible notification can be muted temporarily by pressing button 1. While the fault is still present icon 'a' will continue to be illuminated and the display will cycle between the fault code and the appliance temperature.

Troubleshooting



Troubleshooting

Alarms/Warnings

During operation the current temperature inside the appliance will be displayed. At certain times this will change to indicate a particular appliance operation or fault. The indicators you may see are as follows:

- **hi** – The internal temperature of the appliance is higher than it should be. Ensure that the door is closed and that the air flow inside is not obstructed by excessive or poor loading of product. The alarm will reset if the temperature falls to a normal level. If this does not happen please contact your authorised dealer or Foster Service.
- **Lo** – The internal temperature of the appliance is lower than it should be. Check to ensure that the appliance has not been loaded with product at a lower temperature than the normal appliance operating temperature. If this is not the case please call your authorised dealer or Foster Service.
- **do** – The appliance door is open. Close the door to cancel the alarm.
- **tA** – This indicates that the internal temperature probe has failed. Call your authorised dealer or Foster Service to arrange for this to be replaced. During this time the appliance cannot maintain an accurate temperature and all product should be removed and the appliance switched off.
- **tE** – This indicates that the evaporator probe has failed. Call your authorised dealer or Foster Service to arrange for this to be replaced.
- **PF** – The mains power has been removed from the appliance for a period of time and has now been restored. This may have resulted in a rise in appliance temperature. Caution should be taken when using products stored within to ascertain whether these products are suitable for use. Upon restoration of the power supply the appliance will resume normal operation and the PF can be cancelled by pressing button 1 once.
- **hC** – The condenser temperature is higher than it should be. If the appliance is being subjected to particularly high ambient temperatures steps should be taken to reduce this. If the ambient temperature is not high or reducing the temperature does not rectify the fault please contact your authorised dealer or Foster Service.
- **Cnd** – The condenser clean period has expired. Please contact your authorised dealer or Foster Service.

While in an alarm condition icon 'a' will also be illuminated. The audible alarm can be muted temporarily by pressing button 1.

(Some indications are only visible periodically during specific appliance operations such as defrost or when activated through use of the appliance).



By Appointment to

- Her Majesty Queen Elizabeth II
- Suppliers of Commercial Refrigeration
- Foster Refrigerator, King's Lynn

Contacts

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Document ID code: 00-571087v1

Documents / Resources

	FOSTER FM1-23 Controller [pdf] Instruction Manual FM1-23, FM1-23 Controller, Controller
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References

- [Foster Refrigerator - Commercial Refrigeration Manufacturer](#)
- [Gamko Are The Experts in Professional Drinks Cooling](#)
- [Foster Refrigerator - Commercial Refrigeration Manufacturer](#)

- [User Manual](#)

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