Pharmacy Refrigerator

USER MANUAL

for after sales use

Product model 1: MC-5L42

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Warning notices: Before using this product, please read this manual carefully and keep it for future reference.
The design and specifications are subject to change without prior notice for product improvement.
Consult with your dealer or manufacturer for details.

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SAFETY WARNINGS



Warning; flammable material

WARNING: Remove the base packaging from the bottom of the unit before use.

WARNING: When moving this series of products, ensure the bottom foot does not touch the power cord.

WARNING: The bottom front wheel brake of this series of products need to be locked after moving to the designated position.

WARNING: Allow units to sand upright for 12 hours before initial power and use.

WARNING: After connecting the unit to power, do not immediately place items inside. Wait until the internal temperature reaches setpoint, then add items gradually and in small batches.

Note: Each placed put into the Pharmacy Refrigerator should not exceed 1/4 the total volume.

WARNING: Ensure all ventilation openings are not obstructed.

WARNING: Keep all ventilation openings in the enclosure or built-in structure free from obstruction.

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.

For equipment that use flammable insulation blowing gases, the instructions shall include information regarding disposal of the equipment.

The refrigerant and cyclopentane foam used in this appliance are flammable. When discarding the appliance, keep it away from fire and contact a certified recycling company. Do not dispose of it by burning, as this may harm the environment or pose safety risks.

IMPORTANT:

Flammable gas and refrigerant used. It is the consumer's responsibility to comply with Federal and Local regulations when disposing of this product due to flammable components.

The safety of any system incorporating the equipment is the responsibility of the assembler of the system.

Suggestion: Cut off the pipeline and drain the refrigerant without any open fire around.

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Warning; flammable material



The product with the symbol reads “warning terms”

CYCLOPENTANE

The product with this symbol reads “cyclopentane blowing”

- Power supply voltage: This series of products use 220V-240V/50Hz AC power supply. If the use of voltage lower than 198V or higher than 264V is needed, a suitable automatic voltage regulator must be added.
- Use of this product series requires a low-voltage air circuit breaker and earth leakage protection device for the power supply.
- Use a dedicated power socket and ensure proper grounding. Do not extend the power cord unless necessary. If an extension is required, use copper-core wires with a cross-sectional area of at least 2.5 mm^2. Copper wiring inside the wall should have a cross-sectional area of at least 4 mm^2.
- Do not store flammable, explosive, or strongly corrosive products such as acids and alkalies in this product.
- Store keys in a secure location to prevent children from accessing the unit.
- Do not connect the zero wire (N terminal) and the ground wire (E terminal)of the power socket together, otherwise it can cause the shell of this product series to be charged and an electric shock accident can occur.
- Do not bundle power cord, place it under heavy objects or position it near heat sources such as compressors.

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Protection of the environment

This symbol attached to the product means that it is an appliance whose disposal is subject to the directive on waste from electrical and electronic equipment (WEEE). This appliance may not in any way be treated as household waste and must be subject to a specific type of removal for this type of waste. Recycling and recovery systems are available in your area (waste removal) and by distributors. By taking your appliance at its end of life to a recycling facility, you will contribute to environmental conservation and prevent any harm to your health.

Safety Precautions

Dear users:

Thank you for choosing the pharmacy refrigerator. Please read the following instructions carefully to ensure safe and proper use of this product.

⚠ Document review is required in all cases marked with ⚠ to clarify the nature of potential hazards and the nature of potential hazards and the countermeasures that must be taken.

	**WARNING** Ignoring WARNING items may result in serious casualties.
	**CAUTION** Ignoring CAUTION items may result in casualties or damage to the medical refrigerator and related property loss.
	Warning; flammable material
	Acts or operations that must be prohibited.
	Actions or operations that must be followed.

⚠ WARNING



- Use a power socket with a ground wire to prevent electric shock. If the power socket is not grounded, the grounding wire must be installed by professional technicians.
- Be sure to place the pharmacy refrigerator firmly on a solid and flat ground. If the ground is not stable or the place is not suitable, the pharmacy refrigerator might be overturned or people will be injured.
- If an extension cord is required, it must have a cross-sectional area of at least 2.5 mm^2 and must not exceed 3 meters in length. Failure to follow these guidelines may result in fire or electric shock.
- Only professional technicians or after-sales maintenance personnel can disassemble the pharmacy refrigerator, otherwise it may cause fires or electric shock.
- Please use the special power supply indicated on the nameplate of the pharmacy refrigerator, otherwise it may cause fire or electric shock.
- If the voltage is lower than 198V or higher than 264V,it is necessary to install more than 4000W automatic voltage regulator suitable for motor load.
- The power cord of this pharmacy refrigerator is equipped with a three-wire (grounded) plug,

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which meets the standard three-wire (grounded) socket of 10 A.

- Under no circumstances should the grounding pin of the power cord be removed. Make sure that the power plug and socket are firmly connected to minimize the risk of fires.
- When unplugging the unit, always grasp the power plug—not the cord. Pulling the cord may cause electric shock or fire due to a short circuit.
- If the pharmacy refrigerator is not working properly, please unplug the power plug. It may cause electric shock or fires if it continues to operate under abnormal conditions.
- Before any repair or maintenance of the pharmacy refrigerator,always disconnect the power supply of the pharmacy refrigerator to prevent electric shock or personal injuries.
- Make sure that the medicine or suspended particles inside and around the pharmacy refrigerator will not be inhaled during maintenance, otherwise it may be harmful to health.
- When storing toxic, harmful, or radioactive materials,please use a pharmacy refrigerator in a safe area. Improper use may cause harm to human health or the environment.
- When the pharmacy refrigerator is not used for a long time,unplug the power plug to prevent electric shock, leakage or fires caused by the aging power cord.
- If the pharmacy refrigerator is left unused in an unsupervised area for an extended period, ensure that children cannot access it. Disposal should be performed by authorized personnel, and the door should be removed to prevent accidents such as suffocation.
- Do not store flammable, explosive, hazardous, or volatile materials in the pharmacy refrigerator. Avoid using combustible sprays nearby, as this could cause fire or explosion.



> Do not store flammable, explosive, or strongly corrosive products such as acids and alkalies in this product. Otherwise, the internal components or electrical parts of the pharmacy refrigerator may be damaged.
> Keep plastic bag packaging out of children's reach, as they pose a risk of suffocation.
> Do not climb on or place objects on top of the pharmacy refrigerator, as this may cause it to tip over and result in injury or equipment damage.
> Do not use the pharmacy refrigerator outdoors. Exposure to rain may cause electrical leakage or electric shock.
> The pharmacy refrigerator should not be placed in damp areas or near sources of splashing water. Moisture exposure may reduce insulation and lead to electric shock.
> Do not pour water directly on the pharmacy refrigerator,otherwise it may cause electric shock or short circuit.
> Users must not disassemble, repair, or modify the pharmacy refrigerator. Doing so may result in fire or personal injury due to improper handling.
> Do not ground the pharmacy refrigerator through a gas pipe, power supply pipe, telephone line, or lightning rod. Improper grounding may lead to electric shock or other hazards.
> Do not touch any electrical parts such as power plug or any switch with wet hands, otherwise electric shock may be caused.
> Do not put containers or heavy objects containing water on the pharmacy refrigerator. If the object falls, it may cause personal injuries, and the outflow of water will reduce the insulation and cause leakage or electric shock.
> Do not insert metal objects such as nails or wires into any openings or vents of the pharmacy refrigerator. Doing so may cause electric shock or injury if the object contacts moving parts.

⚠ CAUTION



- Ensure there is no obstruction around the pharmacy refrigerator and that ventilation remains unobstructed. After a power failure or shutdown, verify the settings before restarting the unit.

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- Changes in settings may damage stored items.
- Once the power of the pharmacy refrigerator is cut off, it will take more than five minutes to turn it on again to avoid damages to the compressor or system.
- Wear gloves during maintenance to prevent injury from sharp edges and corners.
- Hold the handle to close the door so that the door will not catch your fingers.
- When moving pharmacy refrigerators, the inclination angle should not be more than 45 degrees.

> When transporting the pharmacy refrigerator, take care not to trip over it to avoid personal injury or equipment damage.

> Please do not use the door handle to lift or carry the device, as doing so may cause damages to the pharmacy refrigerator or personal injuries.

> The refrigeration circuit must not be damaged.

> Do not use electrical appliances in the storage room of pharmacy refrigerators except for those recommended by the manufacturer.

Precautions for use

* Before loading items into the device, ensure that the storage compartment has reached the set temperature. Load items in small batches, and do not exceed 1/4 of the total volume at a time to avoid a significant rise in internal temperature.

* The temperature shown on the display reflects the reading from the sensor located in the storage area. At startup, the displayed temperature may differ from the actual temperature at the center of the compartment. As the device stabilizes, the displayed value will gradually match the actual internal temperature.

* The device includes a detection port to route test wires during temperature testing. After testing, seal the port with insulating material to maintain proper internal temperature and prevent condensation around the hole.

* Please use diluted neutral cleaner to clean the device. Do not use brushes, acid, gasoline, soap powder, polishing agent or hot waterto clean the device. Doing so Macy cause damage to the painted surface and plastic rubber parts. Attention: Do not use volatile solvents such as gasoline to clean plastic and rubber parts.

* If the device will not be used for an extended period, disconnect the power supply and turn off the battery.

* Each time you access items, minimize the duration the door is open to reduce fluctuations in temperature and humidity inside the unit.

* After the door is opened, the temperature inside the box will rise sharply in a short time. This is normal, and the internal temperature will stabilize within one hour after the door is closed.

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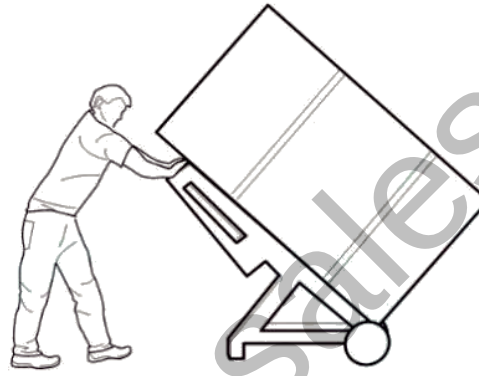
INSTALLATION

Handling

❶ Protect the pharmacy refrigerator in moving it, same as shown as left photo, please move it by handcart with cushion.

❷ Remove all packing materials and bottom cushion, then move into house for placement.

❸ After moving it to appropriate location, wait for 2 hours before power on.



Location

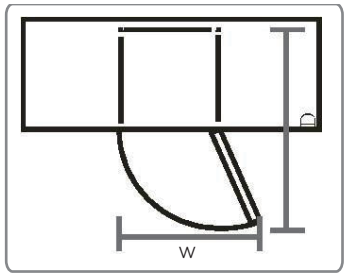
- When selecting a position for your unit, you should make sure the floor is flat and firm, and the room is well ventilated. Avoid locating your unit near a heat source or radiator. Also avoid direct sunlight as it may Affect the operation of the whole machine. Extreme cold ambient temperatures may also cause the unit not to perform properly. This unit is not designed for use in a garage or outdoor installation. Do not drape the unit with any covering.
- When installing the unit, ensure that 20 cm of free space is left at both sides, 15 cm at the rear and 20 cm at the top of the unit. This will allow cold air to circulate around the Pharmacy Refrigerator and improve the efficiency of the cooling process.
- The Pharmacy Refrigerator is only for indoor use. Ambient temperature is within 16°C-32°C, and recommended temperature is within 18°C-25°C. If necessary, air conditioning system should be used.
- Environmental humidity: lower than 80%Rh.
- Avoid heavy dust. Avoid mechanical sway or vibration. The altitude of working position of Pharmacy Refrigerator is lower than 2000 m.
- Input voltage: between (220~240)±10% V.
- Ingress protection: IPX0
- Over Voltage Category II
- Pollution Degree 2

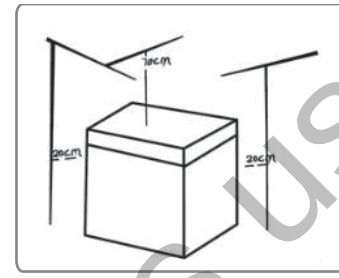
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Door Space Requirements

The unit's door must be able to open fully as shown.

W×D≥1040mm*1030mm



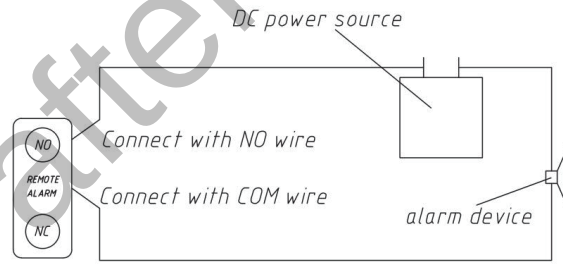


Remote alarm terminals

Remote alarm terminals are located in the rear machine compartment. Alarm signals are transmitted through these terminals, which are rated for 24VDC at 1A. Connect the remote alarm system using a UL-certified wire or battery.

Terminal output:

During normal operation, the terminal circuit remains open. When the unit enters alarm mode, the circuit closes between the two terminals.

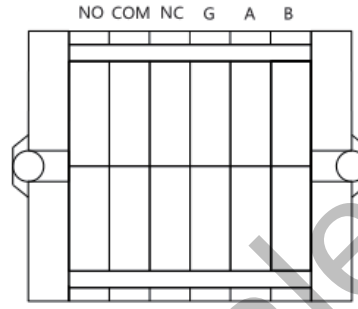


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Remote communication function

This product can be optionally equipped with an RS485 remote communication interface, which transmits temperature data, alarm information, and other signals from the cryogenic chamber to user monitoring software. The RS485 connector terminal is located in the lower area of the back top cover of the product.

The telecommunication connector has RS485_A, RS485_B,GND and other contacts. RS485_A and RS485_B form a differential signal pair and should be connected using a twisted-pair cable.



Levelling the Unit

To level the unit, adjust the two leveling feet at the front. If the unit is uneven, the door may not close properly and the magnetic seal may fail.



Cleaning Before Use

Clean the interior using a mild solution of baking soda and water. Rinse with warm water using a well-wrung sponge or cloth. Wash shelves and trays in warm soapy water and dry thoroughly before placing them back into the unit. Wipe the exterior with a damp cloth. For additional details, refer to the Cleaning section.

Before Using Your Unit

Please observe the following rules when conducting initial start-up.

1. When the unit is empty, connect the power plug to a dedicated outlet. Do not share the outlet with other appliances.

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2. After turning on the power supply, turn on the battery switch of the device, check if the inner LED light works properly.
3. Set the recorder time and data recording interval as needed. Refer to the operation instructions below for details.
4. Set parameter of cabinet temperature, high(low) temperature alarm deviation, etc according to actual need. Default setting temperature is 5°C, high temperature alarm is 8°C and the low temperature alarm is 2°C. Please refer to the operation instructions below for details.
5. “H1” alarm occurs at the initial operation stage, indicates the temperature in cabinet is high. The alarm will stop when the temperature in cabinet drops to the set temperature.
6. “LoF” alarm occurs at the initial operation stage, indicates the data recorder is not started. Please start the data recorder refer to the operation instructions below.
7. “BL” alarm occurs at the initial operation stage, indicates the low battery power alarm, and alarm will be automatically relieved after 2-6 hours of power on.
8. Observe equipment operation for more than 3 hours, ensure equipment runs stably, store items in cabinet in batches.

Interior Accessories

Multi layer encryption shelf design and adjustable height can maximize the use of space. Each shelf bearing capacity is 15Kg.

The internal LED lights are bright and energy-efficient, providing clear visibility of the contents at a glance.

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PRODUCT OVERVIEW

This product is intended used in:

This product can be used to store medicines,vaccines,reagents,and materials that need to be stored at 2~8℃.



1	Backup Battery	5	USB port
2	Display panel	6	Access port
3	Refrigeration fan	7	Glass door
4	Steel wire shelf		

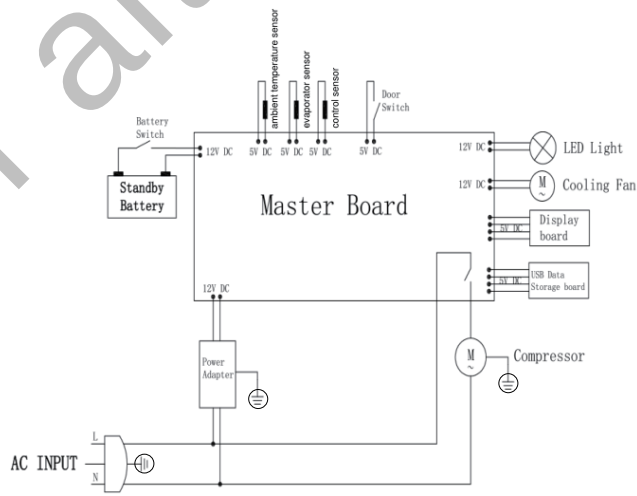
* All images in this instruction manual are for indication only; please refer to your individual unit for details.

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TECHNICAL SPECIFICATION

Name	Pharmacy Refrigerator
Model number	Product model 1
External dimensions(W×D×H)(mm)	450×459×569.5
Effective volume	42L
Door body	Transparent glass door
Foaming agent	Cyclopentane
Cooling mode	Air cooling circulation
Shell plate/Inner Plate	Spraying copper plate/HIPS plate
Temperature controller	Computer control system
Refrigerant	R600a/14g
Illumination lamp	LED light
Rated supply voltage	220-240V/50Hz
Rated current	0.75A
Noise	<45dB
Electric shock resistance type	I
USB functions	With USB Functions

Electrical Schematic Diagram



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OPERATION

Operation and display panel



Digital tube display instructions

Indicator light	Symbol	Status	Meaning
Door open		on	Door opened
		off	Door closed
WIFI (disabled)		on	WIFI connected
		off	WIFI unconnected
Defrosting (disabled)		on	Defrosting
		off	Defrosting is not working
Button lock		on	Button Locked
		off	Button unlocked
Power failure		on	Power off
		off	Power on
Printer (disabled)		on	Printer working
		off	Printer not working
Door heat (disabled)		on	Door heat working
		off	Door heat not working
Refrigeration		on	Compressor working
		off	Compressor not working
Mute		on	Buzzer mute
		off	Buzzer unmute
Low battery		on	Low battery voltage
		off	Battery voltage normal
RS485 port (disabled)	485	on	RS485 connected
		off	RS485 unconnected
Fan		on	Evaporator fan working
		off	Evaporator fan not working

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Key functions

Key names

Key symbols	Key names
	Set/Mute key
	Up key
	Down key
	Print key
	Light switch

Key operation

Key lock function

- When unlocked, the keypad will automatically lock after 60 seconds of inactivity or if the Up and Down keys are pressed simultaneously for 3 seconds.
- When the keypad is locked, only the ambient temperature can be viewed. The Mute and Light Switch keys remain functional; all other keys are disabled.
- Key unlocks operation steps:

1. Under locked conditions, press both Up key and Down key for 3 seconds, and display shows “000”.
2. Press set, up key, and down key to change password(initial password is 005).
3. Press Set/Mute key to confirm unlocked, and return to normal display, key lock light closed.

User parameter setting

For details about the parameters that can be adjusted by users,refer to the user menu parameter table. Parameter setting steps as below:

1. With the keypad unlocked, press and hold the Set/Mute key for 3 seconds. The display will show “PS1.”
2. Use the Up and Down keys to select the parameter you want to change.
3. Press the Set/Mute key to enter the parameter editing screen.
4. Press up key and down key to change parameter.
5. If no key is pressed for 60 seconds, or if the Set/Mute key is held for 3 seconds, the parameter will be saved and the system will exit the setting mode.

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Temperature setting example(set temperature from 5 to 3)

Steps	Operation	Display shows
1	Press key to unlock (refer to previous instruction)	
2	Press Set/Mute key 3s	PS1
3	Press Up key or Down key to choose settable parameter “SET”	SET
4	Press Set/Mute key	005
5	Press Up key or Down key to choose settable parameter to 3	003
6	Press Set/Mute key 3s to save parameter and quit	

Key unlocked password setting example(set password from 5 to 7)

Steps	Operation	Display shows
1	Press key to unlock (refer to previous instruction)	
2	Press Set/Mute key 3s	PS1
3	Press Up key or Down key to choose settable parameter “PS1”	PS1
4	Press Set/Mute key	005
5	Press Up key or Down key to choose settable parameter to 7	007
6	Press Set/Mute key 3s to save parameter and quit	

Start the recorder

If the recorder is not started while the keys are unlocked, the digital display will flash and show ‘LoF’. To clear the alarm, press the Set/Mute and Up keys simultaneously for 3 seconds.

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Recorder time setting instruction

In the unlocked state, press and hold the combination key “Set/Mute” +“Down” key for 3 seconds to enter the time setting mode. The digital tube displays n, and pressing the “Up” key or “Down” key will sequentially display the corresponding parameters in the table below.

n	Year
y	Month
r	Day
s	Hour
F	Minute
Pt	Printing interval
SCY	Data recording interval

“Year” setting example (set year to 2025)

Steps	Operation	Display shows
1	Display shows n	n
2	Press Set/Mute key	0
3	Press Up key or Down key to change parameter to targeted year	25
4	Press Set/Mute key	
5	Press Set/Mute key 3s to save parameter and quit	

“Month” setting example (other r, s, F, Pt, SCY setting refers to this example)

Steps	Operation	Display shows
1	Display shows n	n
2	Press Up key or Down key to choose settable parameter “y”	y
3	Press Set/Mute key	0
4	Press Up key or Down key to change parameter to targeted month	
5	Press Set/Mute key for 3s to save parameter and quit	

Please finish setting in 1 minutes. If no operation, it will automatically quit in 1 minutes and shows normal.

Please export previous data record before changing recorder time and data recording interval time, otherwise the data may be lost.

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Manually generate PDF files

- With the keypad unlocked and no file being generated, insert the USB flash drive and press the Up key for 3 seconds until the display shows ‘d01’.
- Use the Up or Down key to select a value from ‘d00’ to ‘d12’. Press the Set/Mute key to confirm. Selecting ‘d00’ cancels file generation; selecting ‘d01’ to ‘d12’ generates PDF files for the corresponding previous months in which data was recorded.

Light switch

When the working voltage is normal, press the Light switch key to turn on or off the light.

Mute the alarm

- When the alarm beeps, press the Set / Mute key to cancel the alarm. When the alarm mute indicator is on, it will enter the state of checking the ambient temperature.
- When the alarm is canceled, press the Set / Mute key to restore the alarm. When the alarm mute indicator is off, it will enter the state of checking the ambient temperature.
- With the keypad unlocked, press the Set/Mute key to cancel or restore the alarm while checking the ambient temperature. If the temperature remains outside the set range, the alarm will persist. After 10 minutes, the buzzer will sound again.

Check the ambient temperature

- When the keypad is locked, press the Set/Mute key to view the ambient temperature on the digital display. After 5 seconds of no input or if the Up and Down keys are pressed, the display will return to normal.
- When the keypad is unlocked, press the Set/Mute key to view the ambient temperature. The display will automatically return to normal after 5 seconds of inactivity.

Record the temperature

The recorder stores the data every 10min.

Export the USB data

- When a USB flash drive is inserted, the recorder will beep once. The digital display shows “on” if a large amount of data is being uploaded, and the flash drive generates PDF files containing data from the current and previous month. When the transfer is complete, the buzzer beeps again and the display shows “End.” After 6 seconds, the screen returns to normal.
- If the USB flash drive remains connected to the module, data will be exported every other month and a PDF file for the current month will be created. The buzzer and display behavior follow the same pattern as above.
- If no files have been generated, you can manually export PDF files for the current month and the previous 12 months using the appropriate setting.

Max-Min Query

Operation in key lock state:

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1. Short press the “Up” key, “MAX” will flash three times, followed by the value corresponding to “MAX” flashing three times;
2. Short press the “Down” key, “MIN” will flash three times, followed by the value corresponding to “MIN” flashing three times;
3. Long press the combination key “Set/Mute + Up” for 3 seconds, the buzzer will beep twice, clearing the values corresponding to “MAX and MIN”, and the values will be re-recorded.

Note: The functional configuration of the product varies. Please refer to the actual configuration.

Alarms

Serial number	Alarm code	Alarms	Alarm reason
1	H1	High temperature alarm	The temperature inside the fridge is higher than high temperature alarm value
2	L1	Low temperature alarm	The temperature inside the fridge is lower than low temperature alarm value
3	H2	Ambient temperature alarm	Ambient temperature too high
4	do	Door open alarm	Door ajar time over 1 minute
5	PF	Power failure	No power
6	BL	Low battery alarm	Low battery
7	E1-E5	Sensor abnormal	Sensor failure
8	EE	Alarm for communication failure of display panel	Communication failure
9	ER	Alarm for communication failure of recorder	Date recorder failure

Note 1: If the alarm cannot be restored, please contact after-sales service.

Note 2: The functional configuration of the product varies. Please refer to the actual configuration.

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User settings are available after unlocked

User menu parameter list

Menu level	Menu	Menu description	Setting range	Default	Unit
User menu	MAX	Maximum temperature in the current time period	---	---	℃
	MIN	Minimum temperature in the current time period	---	---	℃
	CLR	Clear the record of the Maximum and minimum temperature in the current time period	0:clear 1:not clear	1	/
	SEt	Setting	0.0~10.0	5	℃
	H	Upper deviation on high temperature alarm	0.0~10.0 0:cancel the alarm	3	℃
	L	Lower deviation on low temperature alarm	0.0~10.0 0:cancel the alarm	3	℃
	n	Check the current date - year	---	---	/
	y	Check the current date - month	---	---	/
	r	Check the current date - day	---	---	/
	S	Check the current date - hour	---	---	/
	F	Check the current date -minute	---	---	/
	Pt	Printing interval	0~240	10	min
	tH1	Ambient temperature alarm value	20.0~50.0	40.0	℃
	P1	Door heating mode selection	1:automatic heating mode 1 2:automatic heating mode 2 3:automatic heating mode 3 4: the door keeps open 5: the door keeps closed	5	/
	P2	Display mode selection	1:average temperature 2:upper temperature 3:lower temperature	1	/
	PS1	Password setting of user menu	000~999	005	/
	b1	Hardware version	---	1.0	
	b2	Software version	---	1.4	

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User Parameter Settings

In the unlocking state, press and hold the ✓ key for 3 seconds, and the digital tube displays the parameter code “MAX”, thus entering the user menu to adjust the parameters.

1. Use ✓ key to scroll through parameters, and the display order is: MAX-MIN-CLR-SEt-H-L-n-y-r-S-F-Pt-tH1-P1-P2-PS1-b1-b2;
2. Increase or decrease the value using the ∧ and ∨ keys;
3. Press the ✓ key to temporarily store the modified value and return to the display parameters;
4. If you need to modify other parameters, repeat steps 1–3;
5. Press and hold the ✓ key for more than 3 seconds to store the modified parameter and return to the displayed parameter category.

Character set



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MAINTENANCE AND CARE

WARNING

To prevent electric shock or personal injuries, please make sure that power is disconnected before having any repairs or maintenance on the device.

When maintaining the device, make sure that you do not inhale surrounding medications or suspended particles that could damage your health.

CAUTION

Do not directly sprinkle water on the box, so as to avoid the decline of insulation performance of electrical components and rust of metal parts.

Do not spray or pour water directly onto the unit, as this may reduce the insulation of electrical components and cause corrosion of metal parts.

Do not put heavy objects on the top of the device to avoid deformation of the device under pressure.

Device maintenance

Defrosting:

The device will automatically defrost during the working process, which is convenient to use.

Cleaning and maintenance:

- The device shall be cleaned once a month. Regular cleanings can keep the pharmacy refrigerator fresh.
- Use a dry cloth to remove dust from the interior, exterior, and accessories of the pharmacy refrigerator. If the unit is dirty, clean it with a cloth soaked in neutral detergent. Wipe off any remaining detergent with a damp cloth, then dry with a clean cloth.
- Do not pour water onto the exterior or interior of the pharmacy refrigerator, as this may damage insulation and lead to electrical malfunctions.
- The compressor and other mechanical parts are completely sealed without lubrication.

Device maintenance

Deactivation:

If the device will remain unused in an unsupervised area for an extended period, disconnect the power supply. Clean the interior and exterior surfaces with a damp cloth, dry them thoroughly, and seal the unit. Ensure the door is locked to prevent children from opening it and avoid the risk of suffocation

End-of-life period:

for after sales use

When the device reaches the end of its service life, it must be disposed of by a certified recycling organization in accordance with local regulations. Do not attempt to disassemble or dismantle the device without authorization. Ensure that scrapped units are stored in child-inaccessible areas to prevent injury.

Replacement cycle of parts and components

Parts and components	Model	Suggested replacement cycle
Battery	SN12001.3	3 years
Refrigerator fan	DF0922512B2MN	5 years

Troubleshooting and maintenance services

If a malfunction occurs, refer to the troubleshooting table below. If the issue persists, contact the Midea Biological Service Center promptly for assistance.

Malfunction	Troubleshooting
Refrigerator does not work	• Check whether the input power meets the requirements
	• Whether the plug and the socket are in poor contacts
	• Whether the input and control lines are faulty
	• Whether the voltage is too low
The cooling effect is not obvious, and the temperature exceeds the standards	• Whether too many or overheated items are stored
	• Whether there is a certain gap between the stored items
	• Whether there is direct sunlight or other heat source radiation
	• Whether the door is open frequently
	• Whether the ambient temperature is too high
	• Whether the air duct is blocked
Excessive noise	• Whether the refrigerator is placed stably
	• Whether a part of the cabinet contacts with external objects or walls
	• During use, it is normal for the actual noise to differ from the marked value due to the influence of loaded items, ambient noise, unclosed doors, compressor opening and closing, etc.

for after sales use

Fault	Troubleshooting
The alarm lamp flashes and the buzzer gives an alarm	• Whether the objects are just put in and the temperature is not stable at 3~7°C. After operating for some time, the alarm disappears
	• Whether the door alarm is caused by not fully closing the door. Close the door again
	• Whether the battery is low. It will return to normal after running for some time
	• Whether the temperature exceeds the standard

PACKING LIST

Model number	Instruction	Key	Accessory bag	Steel wire shelf	Steel wire basket
Product model 1	1	2	1	1	1

* The warranty card and certificate are included with the instruction manual. Refer to the specific packing list provided with your unit for accurate contents.

for after sales use

Product model 1: MC-5L42

for after sales use