Commercial Refrigerator and Freezer

Instruction Manual

<Bottom Mount & Top Mount REACH-IN>



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IMPORTANT

Please read this manual carefully before installing and operating the reach-in refrigerator. Keep this manual handy for further reference.

Esteemed user:

Thanks for your choice! In order to ensure your safety and achieve the best using effect, please read these instructions carefully.

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Safety Precautions

WARNING: Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.

WARNING: Risk of fire or explosion. Flammable refrigerant used. Consult repair manual/owner's guide before attempting to service this product. All safety precautions must be followed.

WARNING: Risk of fire or explosion. Dispose of properly in accordance with federal or local regulations. Flammable refrigerant used.

WARNING: Risk of fire or explosion due to puncture of refrigerant tubing; follow handling instructions carefully. Flammable refrigerant used.

WARNING: Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.

WARNING: servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

WARNING: flammable refrigerant used! When handing, moving and use of the refrigerator, make sure to avoid either damaging the refrigerant tubing, or increasing the risk of a leak.

WARNING: Do not damage the refrigerating circuit.

WARNING: Do not use electrical appliances inside the food/ice storage compartments unless they are of the type recommended by the manufacturer.

WARNING

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odor.

WARNING - Keep all required ventilation openings clear of obstruction.

WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning 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.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Flammable refrigerant used, this appliance is to be installed in accordance with the Safety Standard for Refrigeration Systems, ANSI/ASHRAE 15.



The triangle warning sign means “warning; Risk of fire / flammable materials”

Do not store foodstuff more than 50 kg per shelf.

● Please according to local regulations regarding disposal of the appliance for its flammable insulation blowing gas. Before you scrap the appliance, please take off the doors to prevent children trapped.

● Flammable refrigerant used; to minimize the risk of possible ignition due to incorrect parts, component parts shall be replaced with like components

● Models (except D28R/D28AR/D28RG/D28ARG/DT28R/DT28AR/DT28RG/DT28ARG) has a refrigerant charge of more than 3 × LFL, shall not be installed in public corridors or lobbies.

● The climatic class of appliance is 4 and 5, the meaning of class 4 and 5 as below:

Test room climate class	Dry bulb temperature °C	Relative humidity %	Dew point °C	Water vapour mass in dry air g/kg
4	30	55	20,0	14,8
5	40	40	23,9	18,8

● For models D55FG, D83F, D83AF, if connected to a circuit protected by a fuse, use Time-Delay Fuse.

Installation

---unpacking---

Uncrating steps:

1. Place the refrigerator in suitable location where can provide adequate clearances and sufficient airflow; Do not be hard collided or fiercely vibrated when in transportation; it is not larger than 45°for the inclination of the cabinet.
2. Leave enough space from the wall to the cabinet and the ceiling; do not be sealed completely in the back part of the cabinet, prepare an air vent to the outside.
   Caution: It needs more than 1" from the cabinet to wall.
3. Remove all the outer packaging;
4. Clean the refrigerator with mild detergent and then dry it with a soft cloth Appliance is not suitable for outdoor use.

For proper operation, the equipment is suitable for the following environmental conditions:

---electrical installation ---

Ensure the power supply for the cabinet matches the cabinet specification sheet or cabinet data plate and is within the rated voltage (+/-5%). Also, that the amp rating of the circuit is correct and that it is properly grounded.

- If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The refrigerator/freezer should always be plugged into a dedicated electrical circuit. This provides the best performance and prevents building wiring circuits from being overloaded, which could cause a fire hazard from overheated wires.

Operation

---startup---

1. Before operating your unit, please be sure that all casters are properly installed. The unit must be level after it is positioned in its permanent location. This ensures proper door alignment on all cabinet, adequate condensate water drainage, and proper overall refrigeration system operation. Electrical power to the unit is generated immediately after plugging the power cord into an adequate outlet.
2. Turn the power switch on and the refrigerator will come to work.

---Controller Operation Instruction---

1. How to see the set point
   (1) Push and immediately release the SET key, the set point will be showed;
   (2) Push and immediately release the SET key or wait about 5s to return to normal visualization.
2. How To Change the Setpoint
   (1) Push the SET key for more than 2 seconds to change the Set point value;
   (2) The value of the set point will be displayed and the "°C" or "°F" LED starts blinking;
   (3) To change the Set value, push the o or n arrows within 10s.
   (4) To memories the new set point value pushes the SET key again or wait 10s.
3. How To Start a Manual Defrost

   Push the DEF key for more than 2 seconds and a manual defrost will start
4. How To Change a Parameter Value
   To change the parameter's value, operate as follows:

   (1) Enter the Programming mode by pressing the SET+ keys for 3s ("°C" or "°F" LED starts blinking).
   (2) Select the required parameter. Press the "SET" key to display its value
   (3) Use or to change its value.
   (4) Press "SET" to store the new value and move to the following parameter.
   (5) To exit: Press SET+ or wait 15s without pressing a key.

   NOTE: the set value is stored even when the procedure is excited by waiting the time-out to expire.
5. To Lock the Keyboard

   (1) Keep pressed for more than 3s the and keys.
   (2) The "OF" message will be displayed and the keyboard will be locked. If a key is pressed more than 3s the "OF" message will be displayed
6. To Unlock the Keyboard

   Keep pressed together for more than 3s the and keys till the "on" message will be displayed.

Maintenance & Cleaning

Please clean the cabinet with soft clothes timely. Before cleaning, MUST pull out the power plug. When the cabinet will not be used for a long time, disconnect the power cord then clean it. Please examine the wiring circuit before reusing it.

Restart: Please wait 5 minutes to restart the refrigerator after the plug pulled down or short sudden-cut, or it will reduce the sever life of the compressor. To save energy, the refrigerator door should not be frequently opened or left open for a long time.

WARNING—Disconnect power cord before cleaning any parts of the unit.

--- Outside Stainless-Steel Cleaning---

For routine cleaning and removal of grease and oil, apply white, vinegar, ammonia, or any good commercial detergent* with a soft cloth or sponge.

--- Inside Stainless-Steel Cleaning---

When cleaning the cabinet interior, use a solvent of warm water and mild soap. Do not use steel wool, caustic soap, abrasive cleaners, or bleach that may damage the stainless-steel surface.

--- Condenser Cleaning---

For efficient operation, it is important that the condenser surface be kept free of dust, dirt, and lint. We recommend cleaning the condenser coil and fins at least once per month. clean with a commercial condenser coil cleaner, available from any kitchen equipment retailer. Brush the condenser fins from top to bottom, not side to side.

---Replace the fluorescent lamp (if it exists) ---

Caution：The component parts shall be replaced with like components and that servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

If replacement of the fluorescent lamp is required, disconnect the appliance from the power supply, take the lamp holder away from the socket, replace with a new and correct fluorescent lamp which specification is marked on the it from the plastic pipe. refit the fluorescent lamp with the plastic pipe and lamp holder into the socket. then connect up to power supply.

Troubleshooting

When you found that the refrigerator appears abnormally, please examine it according to the following form:

troubles		reasons	How to deal with
No indicator light	Unit on work	Not connect with the power	Connecting the plug
		Plug and outlet contacting failure	Repairing or change
		Fail input of control circuit	Checking and repairing
	Unit off	Base of light missing out of welding	Welding the base
		Indicator light burning out	Replacing the light
Compressor running failure		Low power	Equipping with a voltage stabilizer
		Power failure	Checking and replacing
		Temperature controller failure	replacing
		Heating protector burning out	replacing
		Starter failure	replacing
		Compressor electricity burning out	replacing
		Compressor mobile part being blocked	replacing
Ceaselessness of compressor		Misplacement of the probe of the temperature controller	Adjusting the place and fixing it
		Damage of controller	replacing
		Insufficiency or leakage of refrigerant	Find the leaking spot，welding and adding refrigerant
		Heavy frosting of evaporator	Defrosting with the compressor stop
		Circulation failure for entrance of uncongealed liquid	Vacuumizing the system and adding refrigerant
		Blocking of refrigeration pipe	Replacing the filter and adding refrigerant
		Failure of condenser fan	Replacing the fan and checking the circuit
		Low efficiency or no exhaust of compressor	replacing
		Opening the door too often	Reducing the frequency of opening door
		Much fat and dirt in condenser and filter	Cleaning the condenser and filter
		bad ventilation result of Too large amount of goods	Reducing the storage and redistributing the interior space

	Heat leakage of door seal	Maintenance of the door seal
Ceaselessness of compressor	High ambient temperature	Improving the ventilation and lowing the ambient temperature
	Low presetting temperature	resetting
Unit noisy	No even placement of the showcase	Trying another placement
	impacting of capillary , other pipeline and accessories for no firm fitting	Clean up the pipe
	Damage of fan	Maintenance and checking
	Condenser fan blocked	Cleaning the fan
	Bad connecting with spring of compressor	Replacing the compressor
	Bolt losing of compressor, fan and condenser	Tightening the bolt
No interior light	Damage or being off of switch	Turning on or maintenance or replacing
	Light burning out	Replacing
	Damage of ballast	Replacing
	Circuit missing out	Checking circuit

Please ask qualified personnel to service.

ATTENTION!

The following phenomenon is normal, not trouble:

- A light sound of water flow in the cabinet.
- Heat from the compressor or condenser.
- If the ambient humidity is high, it is easy to cause water drops outside the doors, please sweep them off with towel in time
- Warranty Terms
- Warranty Period
- 1. Customers are entitled to replacement or free repair service in case of quality
- defect(s) found in the product within 15 days upon receipt of the product.
- 2. Customers are entitled to free repair service from our for any product proven
- defective in material or workmanship that results in product failure during normal
- consumer usage and conditions within the valid warranty period, which is 12 months
- counting from the date of selling. However, warranty period varies by product
- component and country of purchase. Please contact our after-sales service team via
- support@coomotech.com for detailed warranty information.
- Warranty Exclusions
- 1. Products subjected to unauthorized repair, misuse, collision, neglect, mishandling,
- soaking, accident, and unauthorized alteration.
- 2. Products subjected to improper use or whose labels or security tags have been torn
- off or altered.

- 3. Products whose warranty has expired.
- 4. Products damaged due to force majeure, such as fire, flood, lightening, etc.
- Warranty Claim Procedure
- 1. If failure or any problem occurs to your product after purchase, please contact us
- on Amazon, or you can always contact our customer service through email at
- support@coomotech.com.
- 2. Our customer service will guide you through the whole service procedure regarding
- any product issue or problem you have encountered.
- Us reserves the right to reexamine damaged or returned products.
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