



OPERATOR MANUAL

IMPORTANT INFORMATION, KEEP FOR OPERATOR

888-994-7636, fax 888-864-7636
unifiedbrands.net

THIS MANUAL MUST BE RETAINED FOR FUTURE REFERENCE. READ, UNDERSTAND AND FOLLOW THE INSTRUCTIONS AND WARNINGS CONTAINED IN THIS MANUAL.

FOR YOUR SAFETY Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

NOTIFY CARRIER OF DAMAGE AT ONCE It is the responsibility of the consignee to inspect the container upon receipt of same and to determine the possibility of any damage, including concealed damage. Randell suggests that if you are suspicious of damage to make a notation on the delivery receipt. It will be the responsibility of the consignee to file a claim with the carrier. We recommend that you do so at once.

Manufacture Service/Questions 888-994-7636.

This manual provides information for:

FREEZERS

RETAIN THIS MANUAL FOR FUTURE REFERENCE

NOTICE: Due to a continuous program of product improvement, Randell reserves the right to make changes in design and specifications without prior notice.

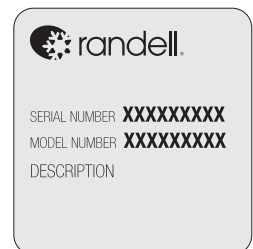
NOTICE: Please read the entire manual carefully before installation. If certain recommended procedures are not followed, warranty claims will be denied.

MODEL NUMBER _____

SERIAL NUMBER _____

INSTALLATION DATE _____

The serial number is located within your unit. An example is shown here.



INSTALLATION

WARNING: FAILURE TO FOLLOW INSTALLATION GUIDELINES AND RECOMMENDATIONS MAY VOID THE WARRANTY ON YOUR UNIT.

WARNING: IT IS IMPORTANT THAT YOUR UNIT HAS ITS OWN DEDICATED LINE. CONDENSING UNITS ARE DESIGNED TO OPERATE WITH A VOLTAGE FLUCTUATION OF PLUS OR MINUS 10% OF THE VOLTAGE INDICATED ON THE UNIT DATA TAG. BURN OUT OF A CONDENSING UNIT DUE TO EXCEEDING VOLTAGE LIMITS WILL VOID THE WARRANTY.

WARNING: IT IS IMPORTANT THAT A VOLTAGE READING BE MADE AT THE COMPRESSOR MOTOR ELECTRICAL CONNECTIONS, WHILE THE UNIT IS IN OPERATION, TO VERIFY THAT THE CORRECT VOLTAGE REQUIRED BY THE COMPRESSOR IS BEING SUPPLIED. LOW OR HIGH VOLTAGE CAN DETRIMENTALLY AFFECT OPERATION AND THEREBY VOID ITS WARRANTY.

RECEIVING SHIPMENT

Upon arrival, examine the exterior of the shipping crate for signs of abuse. It is advisable that the shipping crate be partially removed, in order to examine the cabinet for any possible concealed damages which might have occurred during shipment. If no damages are evident, replace the crate in order to protect the unit during storage and local delivery. If the unit is damaged, it should be noted on the delivery slip or bill of lading and signed to that effect. A claim must be filed immediately against the carrier indicating the extent and estimated cost of damage occurred.

LOCATING YOUR NEW UNIT

The following conditions should be considered when selecting a location for your unit:

1. Floor and Countertop load - The area on which the unit will rest must be free of vibration and suitably strong enough to support the combined weights of the unit plus the maximum product load weight.
2. Clearance - There must be a combined total of at least 3" clearance on all sides of the unit.
3. Ventilation - The air-cooled self-contained unit requires a sufficient amount of cool clean air. Avoid placing the unit near heat generating equipment such as ovens, ranges, heaters, fryers, steam kettles, etc. and out of direct sunlight. Avoid locating the unit in an unheated room or where the room temperature may drop below 55°F or above 90°F.

ELECTRICAL SUPPLY

The wiring should be done by a qualified electrician in accordance with local electrical codes. A properly wired, and grounded outlet will assure proper operation. Please consult the data plate attached to the compressor to ascertain the correct electrical requirements. Supply voltage and amperage requirements are located on the serial number tag located inside the far-left door.



Information contained in this document is known to be current and accurate at the time of printing/creation. Reference our product line website for the most updated product information and specifications. © 2023 Electrolux Professional, Inc. All Rights Reserved.

DOOR INSPECTION

NOTE: FOR UNITS SUPPLIED WITH SELF-CLOSING DOORS.

1. Check doors/drawers to ensure that they are sealing properly.
2. Check doors for proper alignment.
3. Check doors to ensure that they open and shut freely.

INSTALLATION CHECKLIST

NOTE: ALL MOTORS ARE OILED AND SEALED.

NOTE: ALL SELF-CONTAINED MODELS ARE SHIPPED FROM THE FACTORY WITH THE SERVICE VALVES OPEN READY FOR OPERATION.

NOTE: THE LEGS ARE EQUIPPED WITH BULLET-TYPE LEVELING BOLTS. TURN BOLTS CLOCKWISE OR COUNTERCLOCKWISE UNTIL THE UNIT IS LEVEL (BOTH RIGHT TO LEFT AND FRONT TO BACK). THIS CAN BE DONE BY HAND OR WITH AN OPEN END WRENCH.

After the final location of the unit has been determined refer to the following checklist prior to start up:

1. Check all exposed refrigeration lines to ensure that they are not kinked, dented or rubbing together.
2. Check that condenser and evaporator fans rotate freely without striking any stationary members.
3. Unit must be properly leveled.
4. Plug in unit and turn on main on/off switch.
5. Turn on cold control located inside the base and rail power switch located on front compressor panel.
6. Refer to the front of this manual for serial number location. Please, record this information in your manual. It will be necessary when ordering replacement parts or requesting warranty service.
7. Confirm that unit is holding temperature. Set controls to desired temperature for your particular ambient and altitude.
8. Allow your unit to operate for approximately 2 hours before putting in food this allows interior to cool down to storage temperature.

TEMPERATURE CONTROL ADJUSTMENTS

NOTE: NUMBERS ARE POUNDS OF PRESSURE NOT DEGREES F.

WARNING: DO NOT ADJUST THE DIFFERENTIAL SCREW.

The control knob allows for temperature adjustments, within the cabinet only. Turning the knob clockwise will result in increased cooling. Keep the arrow on the knob pointed within the green arc. Turning it clockwise beyond the green can result in freeze-up, while turning it counter clockwise beyond the green will shut the compressor off. If your cabinet temperature remains too warm and your temperature control is at the maximum setting you may need to adjust the pressure control.

Your units pressure control should be set at the time of installation by a qualified installation contractor. If minor adjustments are needed at a later date, adjust control by turning the right adjusting screw clockwise (1/4 turn at a time) to a lower number for colder temperature and counter clockwise to a higher number for warmer temperature.

RESETTING SELF-CLOSING HINGE

Loosen set screw, using flat tip screwdriver turn bottom hinge (2) turns. Turn clockwise on left hinged doors, counter clockwise on right hand doors. Hold hinge in wound position with screwdriver and tighten set screw.

DOOR ADJUSTMENT

The doors are mounted to the cabinet with two screws on the upper hinge, and a hinge pin on the bottom. To adjust the door first open it 90° and remove the two screws, leaving the center adjusting screw loose enough to reposition door. Once repositioned, install all screws and tighten.

REACH IN HINGE ADJUSTMENT AND ALIGNMENT

To adjust reach in hinge open door to approximately 90°. Then remove hinge cover and loosen the three machine screws and adjust hinge plate as necessary to align door with cabinet front for proper gasket sealing (to make door tighter move adjustment plate forward, to loosen move adjustment plate out. Tighten hinges, replace hinge cover and reinstall door.

THERMOSTAT BASIC PROGRAMMING

CAUTION: DISCONNECT POWER SUPPLY BEFORE ATTEMPTING ANY SERVICING ON THE CONTROL WIRING.

The Display

The display normally shows the current temperature. There are also 3 Red LED's; the upper right indicates cooling, the upper left indicates defrost, and the bottom right is used for programming.

The Buttons

There are two double buttons, each having 2 actions. To use them you must press either the left or right hand side of the button as appropriate.

Up ▲ or ▼ Down

Manual Defrost

1. To Display the Set Point

Press and release the SET button and the Set Point will be displayed for 5 seconds.

2. To Alter the Set Point

Press and hold the SET button for at least 3 seconds and Set Point change mode is entered, the 2 small LED's will start flashing indicating you are now in programming mode. Use the ▲ and ▼ buttons to alter the Set Point. The new value can then be stored either by pressing the SET button or by waiting 15 seconds until the exit time out has expired.

If defrost adjustments are required, consult factory for detailed programming instructions.

Alarm Signals

Press any button to silence alarm.

ALARM CODE	PROBLEM
"EE"	Data or memory corruption
"P1"	Fault with thermostat probe or probe wiring
"P2"	Fault with evaporator probe or probe wiring
"HA"	High temperature alarm
"LA"	Low temperature alarm
"EA"	External alarm
"CA"	Serious external alarm

If any alarm codes appear, consult factory. If P1 or P2 alarms are displayed, check probe connections at control.

OPERATION

- NOTE: BOTH TIMERS ALLOW CUSTOMER CHOSEN DEFROST TIMES.**
- NOTE: BRUSH COIL IN DIRECTION OF FINS.**
- NOTE: DO NOT USE SHARP UTENSILS WHILE CLEANING EQUIPMENT.**

Allow your freezer to operate for approximately 2 hours before putting in food. This allows the interior to cool down to the correct storage temperature. During normal operation, a freezer continuously circulates below freezing cabinet air through the coil. Defrosting the coil requires a periodic supply of heat. This is accomplished by an automatic, time activated, temperature terminated, electric defrost system. The programmable time clock is preset at the factory for four defrost cycles every 24 hours and the non-programmable type 6 cycles every 24 hours. However, this may easily be changed to suit climatic conditions and usage, by adding or subtracting the number of cycles. To set up defrost cycles: open time clock cover and read the instructions on the back of the cover, set defrost cycles as desired. Adjustments made to defrost timers are not covered under warranty.

At the start of the defrost cycle, both the compressor and evaporator fans are off. The electric defrost heater (attached to coil) and drain pan heater (attached to drain pan below coil) are energized.

When the defrost termination senses 58 degrees, the coil is fully defrosted and the compressor operation is automatically resumed; defrost and drain pan heaters are automatically de-energized and the compressor is activated. The coil fans are delayed from starting at the termination of a defrost cycle. When the thermostat senses a coil temperature of 35 degrees, fan operation is automatically resumed. The freezer operation is now completely resumed.

During the defrost operation, heat is confined to the coil housing to prevent any significant rise in air temperature in the food zone, the fan delay action of the termination thermostat is twofold. First, to prevent blowing of warm air into the food storage area. Second, to prevent any condensate retained on the defrosted coil, from being blown into the food storage area.

Normal defrosting which is terminated by the temperature sensors will average 10 to 15 minutes. A fail safe provision to the defrost cycle with resulting damage to food storage is provided by an override timer in the defrost clock. Setting the maximum duration of the override timer at 25 minutes provides a fail safe system in the event that the defrost terminator malfunctions.

Manual defrost - to turn freezer into manual defrost, with the non-programmable timer, turn center shaft 90 degrees, with a flat tip screwdriver, clockwise until a click is heard. If your unit is equipped with a programmable timer turn the reset knob until a pin in the timer dial passes the reset knob.

Automatic defrost - Each Randell freezer equipped with an automatic defrost timer, shuts the compressor for a specified number of times each day. When the unit is on defrost time, water will drain from the evaporator through a tube onto the condensate evaporator pan at the bottom or to a designated floor drain. The defrost timer cycle may be altered to a different number of cycles if your unit is equipped with a programmable timer.

Randell suggests a preventive maintenance program which would include, the following:

1. Clean condenser coils. Coils are a critical component in the life of the compressor and must remain clean to assure proper air flow and heat transfer. Failure to maintain this heat transfer will affect unit performance and eventually destroy the compressor. Clean the condenser coils with coil cleaner.
2. Clean fan blades.
3. Lubricate door hinges with lithium grease.
4. Clean and disinfect drain lines and evaporator pan with a solution of warm water and bleach.
5. Clean gaskets on a weekly basis with a solution of warm water and a mild detergent to extend gasket life.

Proper maintenance of equipment is the ultimate necessity in preventing costly repairs. By evaluating each unit on a regular schedule you can often catch and repair minor problems before they completely disable the unit and become burdensome on your entire operation.

PREVENTIVE MAINTENANCE

- WARNING: DO NOT USE SHARP UTENSILS AND/OR OBJECTS.**
- WARNING: DO NOT USE STEEL PADS, WIRE BRUSHES, SCRAPERS OR CHLORIDE CLEANERS TO CLEAN YOUR STAINLESS STEEL.**
- WARNING: BRUSH COIL IN DIRECTION OF FINS, NORMALLY VERTICALLY AS TO NOT DAMAGE OR RESTRICT AIR FLOW FROM PASSING THROUGH CONDENSER.**
- CAUTION: DO NOT USE ABRASIVE CLEANING SOLVENTS, NEVER USE HYDROCHLORIC ACID (MURIATIC ACID) ON STAINLESS STEEL.**

Randell strongly suggests a preventive maintenance program which would include the following Monthly procedures:

1. Cleaning of all condenser coils. Condenser coils are a critical component in the life of the compressor and must remain clean to assure proper air flow and heat transfer. Failure to maintain this heat transfer will affect unit performance and eventually destroy the compressor. Clean the condenser coils with coil cleaner and/or a vacuum cleaner and brush.
2. Clean all fan blades, both on the condensing unit and the evaporator assembly.
3. Lubricate door hinges with lithium grease.
4. Clean and disinfect drain lines and evaporator pan with a solution of warm water and bleach.
5. Clean all gaskets on a weekly if not daily basis with a solution of warm water and a mild detergent to extend gasket life.

Recommended cleaners for your stainless steel include the following:

JOB	CLEANING AGENT	COMMENTS
Routine cleaning	Soap, ammonia, detergent Medallion	Apply with a sponge or cloth
Fingerprints and smears	Arcal 20, Lac-O-Nu, Ecoshine	Provides a barrier film
Stubborn stains and discoloration	Cameo, Talc, Zud, First Impression	Rub in the direction of the polish lines
Greasy and fatty acids, blood, burnt-on foods	Easy-Off, Degrease It, Oven Aid	Excellent removal on all finishes
Grease and Oil	Any good commercial detergent	Apply with a sponge or cloth
Restoration/Preservation	Benefit, Super Sheen	Good idea monthly

Reference: Nickel Development Institute, Diversy Lever, Savin, Ecolab, NAFEM

Proper maintenance of equipment is the ultimate necessity in preventing costly repairs. By evaluating each unit on a regular schedule you can often catch and repair minor problems before they completely disable the unit and become burdensome on your entire operation.

For more information on preventive maintenance consult your local service company or CEFSA member. Most repair companies offer this service at very reasonable rates to allow you the time you need to run your business along with the peace of mind that all your equipment will last throughout its expected life. These services often offer guarantees as well as the flexibility in scheduling of maintenance for your convenience. Randell believes strongly in the products it manufacturers and backs those products with one of the best warranties in the industry. We believe with the proper maintenance and use you will realize a profitable return on your investment and years of satisfied service.

REPLACEMENT PARTS

To order parts, contact your Authorized Service Agent. Supply the model designation, serial number, part description, part number, quantity, and when applicable, voltage and phase.

CONTACT US

If you have questions pertaining to the content in this manual, contact Randell at 888-994-7636.

TROUBLESHOOTING

This unit is designed to operate smoothly and efficiently if properly maintained. However, the following is a list of checks to make in the event of a problem.

SYMPTOM	POSSIBLE CAUSE	PROCEDURE
Freezer not running	Circuit breaker tripped	Reset
	Power cord unplugged	Plug in
	Thermostat turned off	Turn on
	Unknown	Call for service at 1-800-621-8560
Condensing unit runs for long periods or continuously	Excessive heat load placed into unit	Allow unit sufficient time to remove heat
	Prolonged or too frequent door openings	Make sure door is closed
	Gasket not sealing	Check gasket
	Dirty condenser coil	Clean coil
	Evaporator coil frozen	Unplug unit, defrost coil
	Unknown	Call for service at 1-800-621-8560
Unit short cycles	Condenser coil dirty	Clean coil
	Condenser fan faulty	Service fan and motor
	Compressor faulty	Call for service at 1-800-621-8560
	Overload repeatedly tripping	Check outlet voltage
Unit not cold enough	Temperature control set too high	Lower setting
	Temperature control faulty	Test control
	Condenser coil dirty	Clean coil
	Door not sealing properly	Check door
	Door gasket damaged	Replace door gasket
	Evaporator fan faulty	Service evaporator fan
	Evaporator iced up	Check door
Refrigerant leaking or contaminated	Call for service at 1-800-621-8560	
Moisture around door or frame	Breaker strips faulty	Inspect strips
	Temperature set too low	Raise setting
Unit noisy	Unit not level	Adjust leveling feet
	Compressor mountings loose or hardened	Tighten or replace compressor mountings
	Condenser fan damaged or fitting fan shroud	Inspect condenser fan
	Evaporator fan damaged or hitting fan shroud	Inspect evaporator fan
	Mechanical compartment louver rattling	Bend or align tabs to reduce noise. Replace if necessary.

1. Cleaning condenser coil.

An accumulation of dirt and dust prevents the condenser coil from removing heat, making your unit cool poorly, run constantly, or even stop completely if the compressor overheats. Clean coil using a vacuum cleaner with a wand attachment. If the coil is greasy, wash it with warm soapy water and a bristle brush, taking care not to drip water on other parts of your unit.

2. Cleaning drain and drain pan.

Clean the drain using an oven baster to force a solution of hot water and baking soda or bleach into the opening. To clear a stubborn clog, insert a length of 1/4" round plastic tubing into the drain and push it through to the drain pan, then pull it out. Wash the pan regularly with a solution of warm baking soda and water.

3. Checking the door seal.

Open the door and examine all four sides of the door gasket for tears. Feel the gasket for brittleness or cracks. If the gasket shows damage replace it. If not, close the door and check the seal between gasket and cabinet for obvious gaps. Next open the door and shut it on a dollar bill slowly pull it out of the door. If the gasket seals properly, you will feel tension as it grips the bill. Repeat this test all around the door. If the gasket doesn't seal tightly, replace gasket after first checking the door for sagging, warping.

After Serial Number
W000000121766

Parts List

ITEM	PART NUMBER	DESCRIPTION
1	1455	CASTERS 6" (set of 4)
2	1655	CASTERS 6" (set of 6)
3	HD CST061	CASTER NON-LOCK (6")
4	HD CST060	CASTER - LOCK (6 ")
5	RP LEG035	LEG W/BULLET FT 6 " [opt]
6	EL WIR461-90	UNIT POWER CORD 16/3 9'
7	RP DOR654R	DOOR RIGHT-HAND 18"
8	RP DOR0013	DOOR RIGHT-HAND 21"
8A	RP DOR657R	DOOR RIGHT-HAND 24"
8B	RP DOR628R	DOOR RIGHT-HAND 27"
9	RP DOR654L	DOOR LEFT-HAND 18"
9A	RP DOR0012	DOOR LEFT-HAND 21"
9B	RP DOR657L	DOOR LEFT-HAND 24"
9C	RP DOR628L	DOOR LEFT-HAND 27"
10	IN GSK1015	DOOR GASKET 27"
10A	IN GSK1010	DOOR GASKET 24"
10B	IN GSK1006	DOOR GASKET 21"
10C	IN GSK1005	DOOR GASKET 18"
11	RP HNG9900	DOOR HINGE NON-SELF CLOSING
12	HD BSH050	DOOR BUSHING
13	HD SHL015	SHELF 13" x 25"
13A	HD SHL9912	SHELF 16" x 25"
13B	HD SHL060	SHELF 19 " x 25 "
13C	HD SHL180	SHELF 22" x 25"
14	HD PIN0102	SHELF SUPPORT PIN
15	RP BRK0107	SHELF SUPPORT- FRONT & BACK OF COIL
15A	RP BRK0108	SHELF SUPPORT BETWEEN DOORS
16	11043-21	21" DWR CARTRIDGE
16A	11043-24	24" DWR CARTRIDGE
16B	11043-27	27" DWR CARTRIDGE
16C	11043-27T	27" TRIP - DWR CARTRIDGE
17	RP DWR0206	21" DWR ASSY
17A	RP DWR0201	24" DWR ASSY
17B	RP DWR0202	27" DWR ASSY
17C	RP DWR0123	27" TRIP - DWR ASSY
18	RP FRT921	21" DWR FRONT
18A	RP FRT924	24" DWR FRONT
18B	RP FRT927	27" DWR FRONT
18C	RP FRM0117	27" TRIP - DWR FRONT
19	RP FRM9903	21" DWR FRM ASSY
19A	RP FRM9904	24" DWR FRM ASSY
19B	RP FRM9905	27" DWR FRM ASSY
19C	RP FRM0117	27" TRIP - DWR FRM ASSY
19D	RP TRK05SM	EXTENDABLE DWR TRACKS

ITEM	PART NUMBER	DESCRIPTION
19E	HD HDL130	DRAWER HANDLE
19F	HD BRG210	DRAWER BEARING
20	IN GSK1035	GASKET DWR 18"
20A	IN GSK1036	GASKET DWR 21"
20B	IN GSK1040	GASKET DWR 24"
20C	IN GSK1045	GASKET DWR 27"
20D	IN GSK1050	GASKET DWR 32"
21	RP LVR011	HINGED LOUVER 14"
22	HD CTH9901	LOUVER MAGNET
22A	HD STR9901	LOUVER MAGNET STRIKE
23	RP BRK0109	LOUVER MTG HNG BRK [1pc]
24	RF SOL9801	SOLENOID VALVE [120v]
25	RF VLV404	TXV [RAIL]
26	RF VLV404	TXV [BASE]
27	EL WIR470	POWER CORD/CONDENSING UNIT
28	HD THR100	HANGING THERMOMETER 4"
29	HD CNT100	BASE THERMOSTAT
30	RF TRM001	THREE WIRE THERMO DISK
31	RF CON0003	COND UNIT [aea2411zxa] ONE DOOR UNIT
31A	RF CON9901	COND UNIT [m4p10051iaa-140] 2 & 3 DOOR UNIT
32	RF CMP031P	COMP [ae2411zxa]
32A	RF CMP9902P	COMP [m4p10051-iaa-140]
33	RF CNT750	DIGITAL CONTROL DIXELL
34	RF CNT750-1	TEMPERATURE SENSOR 2
36	EL MTR0101P	CONDENSER FAN MOTOR
36A	RF ASY0101P	CONDENSER FAN MOTOR
36B	RF ASY0101P	CONDENSER FAN MOTOR
37	RF FAN300	CONDENSER FAN BLADE
37A	RF ASY0101P	CONDENSER FAN BLADE
37B	RF ASY0101P	CONDENSER FAN BLADE
38	RF FLT251	FILTER DRIER
38A	RF FLT377	FILTER DRIER
39	RP CSY0202	COIL ASSY
40	RP BRK1050	COIL MTG BRK
41	RF COI107	EVAPORATOR COIL
42	RP DRP0201	EVAPORATOR DRAIN PAN S/S
43	PL TBG075	EVAPORATOR COIL VINYL DRAIN TUBE
44	EL MTR057	EVAPORATOR FAN MOTOR
45	HD PIN210	CUTTING BOARD LOCATOR PIN
46	FA NUT0124	LOCATOR PIN RIV-NUT
47	RP DGH0101	CONDENSING UNIT DOG HOUSE
47A	RP DGH0102	CONDENSING UNIT DOG HOUSE
47B	RP DGH0103	CONDENSING UNIT DOG HOUSE
48	EL ELM9904	DEFROST HEATER

