

USER GUIDE

SAFETY • INSTALLATION & INTEGRATION • OPERATING INSTRUCTIONS • MAINTENANCE • SERVICE



U-LINE

RIGHT PRODUCT. RIGHT PLACE. RIGHT TEMPERATURE. SINCE 1962.

1000 Series • 1224R • 24" Solid Door Refrigerator

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WELCOME TO U-LINE

Congratulations on your U-Line purchase. Your product comes from a company with over five decades and three generations of premium modular ice making, refrigeration, and wine preservation experience. U-Line continues to be the American leader, delivering versatility and flexibility for multiple applications including residential, light commercial, outdoor and marine use. U-Line's complete product collection includes modular Wine Captain® Models, Beverage Centers, Clear Ice Machines, Crescent Ice Makers, Glass & Solid Door Refrigerators, Drawer Models, Freezers, and Combo® Models.

U-Line has captivated those with an appreciation for the finer things with exceptional functionality, style, inspired innovations and attention to even the smallest details. We are known and respected for our unwavering dedication to product design, quality and selection. U-Line is headquartered in Milwaukee, Wisconsin with a west coast office located in Laguna Beach, California and European support in Dublin, Ireland. U-Line has shipped product to five continents for over two decades and is proud to have the opportunity to ship to you.

PRODUCT INFORMATION

Looking for additional information on your product? User Guides, Quick Reference Guides, CAD Drawings, Compliance Documentation, and Product Warranty information are all available for reference and download at u-line.com under Documentation.

PROPERTY DAMAGE / INJURY CONCERNS

In the unlikely event property damage or personal injury is suspected related to a U-Line product, please take the following steps:

1. U-Line Customer Care must be contacted immediately at +1.800.779.2547.
2. Service or repairs performed on the unit without prior written approval from U-Line is not permitted. If the unit has been altered or repaired in the field without prior written approval from U-Line, claims will not be eligible.

SERVICE INFORMATION

Answers to Customer Frequently Asked Questions are available at u-line.com under Customer Care or you may contact our Customer Care group directly, contact information below.

GENERAL INQUIRIES

U-Line Corporation
8900 N. 55th Street
Milwaukee, Wisconsin 53223 USA
Monday - Friday 8:00 am to 4:30 pm CST
T: +1.414.354.0300
F: +1.414.354.7905
Email: sales@u-line.com
u-line.com

SERVICE & PARTS ASSISTANCE

Monday - Friday 8:00 am to 5:30 pm CST
T: +1.800.779.2547
F: +1.414.354.5696
Service Email: onlineservice@u-line.com
Parts Email: onlineparts@u-line.com

CONNECT WITH US



Designed, engineered and assembled in WI, USA

Safety and Warning

NOTICE

Please read all instructions before installing, operating, or servicing the appliance.

Use this appliance for its intended purpose only and follow these general precautions with those listed throughout this guide:

SAFETY ALERT DEFINITIONS

Throughout this guide are safety items labeled with a Danger, Warning or Caution based on the risk type:

DANGER

Danger means that failure to follow this safety statement will result in severe personal injury or death.

WARNING

Warning means that failure to follow this safety statement could result in serious personal injury or death.

CAUTION

Caution means that failure to follow this safety statement may result in minor or moderate personal injury, property or equipment damage.

DANGER

This unit contains R600a (Isobutane) which is a flammable hydrocarbon. It is safe for regular use. Do not use sharp objects to expedite defrosting. Do not service without consulting the “R600a specifications” section included in the User Guide. Do not damage the refrigerant circuit.

WARNING

Service must be done by factory authorized service personnel. Any parts shall be replaced with like components. Failure to comply could increase the risk of possible ignition due to incorrect parts or improper service.

Disposal and Recycling

DANGER

RISK OF CHILD ENTRAPMENT. Before you throw away your old refrigerator or freezer, take off the doors and leave shelves in place so children may not easily climb inside.

If the unit is being removed from service for disposal, check and obey all federal, state and local regulations regarding the disposal and recycling of refrigeration appliances, and follow these steps completely:

1. Remove all consumable contents from the unit.
2. Unplug the electrical cord from its socket.
3. Remove the door(s)/drawer(s).

Environmental Requirements

This unit is designed to operate between 50°F (10°C) and 100°F (37°C). Higher ambient temperatures may reduce the unit's ability to reach low temperatures and/or reduce ice production on applicable models.

For best performance, keep the unit out of direct sunlight and away from heat generating equipment.

In climates where high humidity and dew points are present, condensation may appear on outside surfaces. This is considered normal. The condensation will evaporate when the humidity drops.



Damages caused by ambient temperatures of 40°F (5°C) or below are not covered by the warranty.

Electrical



SHOCK HAZARD — Electrical Grounding

Required. Never attempt to repair or perform maintenance on the unit until the electricity has been disconnected.

Never remove the round grounding prong from the plug and never use a two-prong grounding adapter.

Altering, cutting of power cord, removal of power cord, removal of power plug, or direct wiring can cause serious injury, fire and or loss of property and or life, and will void the warranty.

Never use an extension cord to connect power to the unit.

Always keep your working area dry.

NOTICE

Electrical installation must observe all state and local codes. This unit requires connection to a grounded (three-prong), polarized receptacle that has been placed by a qualified electrician.

The unit requires a grounded and polarized 115 VAC, 60 Hz, 15A power supply (normal household current). An individual, properly grounded branch circuit or circuit breaker is recommended. GFCI (ground fault circuit interrupter) is usually not required for fixed location appliances and is not recommended for your unit because a GFCI could be prone to nuisance tripping. However, be sure to consult your local codes.

See CUT-OUT DIMENSIONS for recommended receptacle location.

Cutout Dimensions

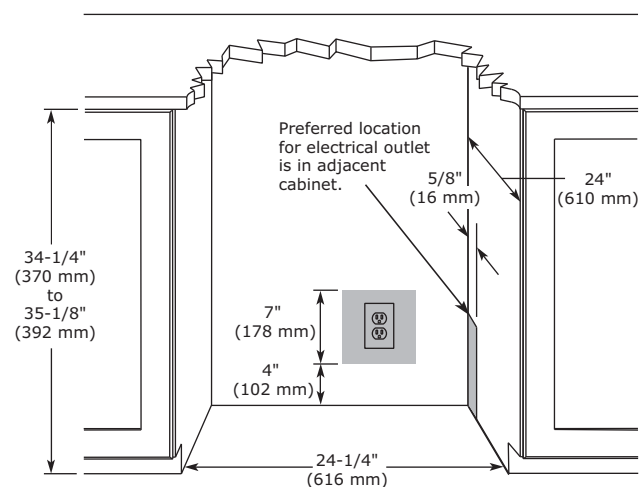
PREPARE SITE

Your U-Line product has been designed for either free-standing or built-in installation. When built-in, your unit does not require additional air space for top, sides, or rear. However, the front grille must NOT be obstructed, and clearance is required for an electrical connection in the rear.

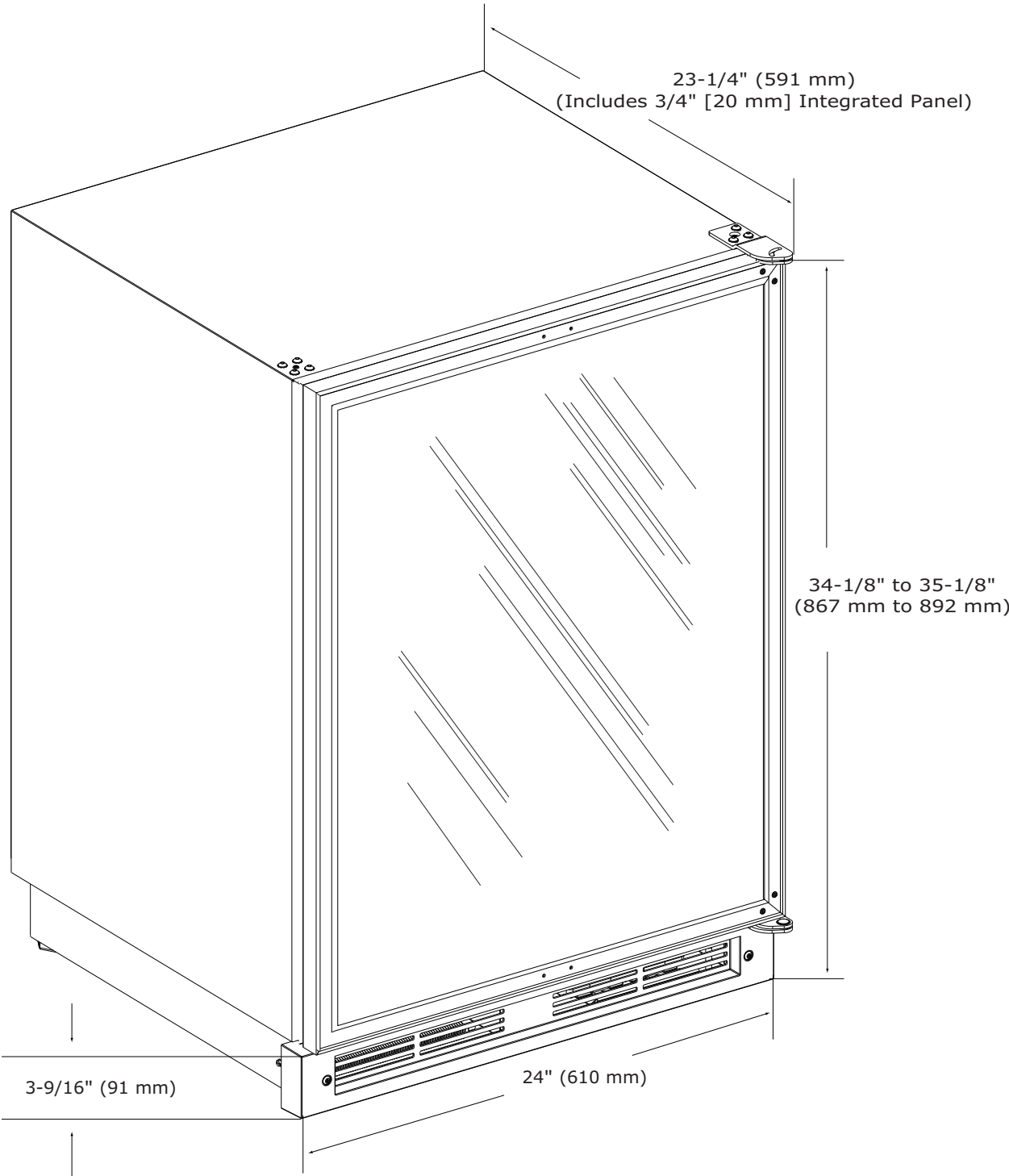


Unit can NOT be installed behind a closed cabinet door.

CUTOUT DIMENSIONS



Product Dimensions



Side-by-Side Installation

Two units may be installed side-by-side.

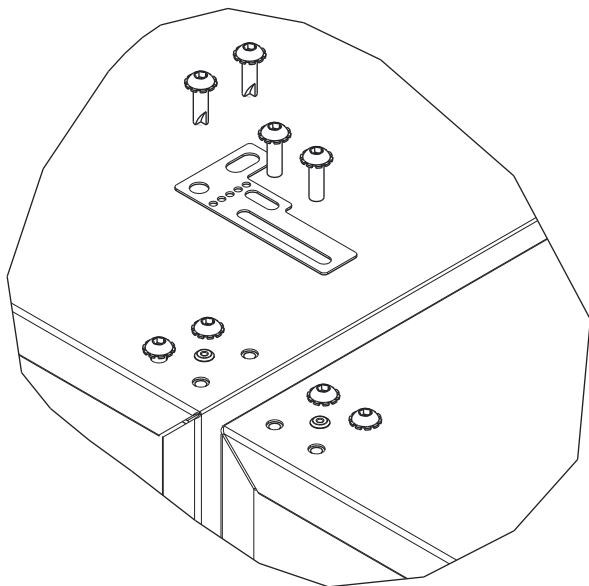
Cutout width for a side-by-side installation is the cutout dimension of a single unit times two.

No trim kit is required. However, 1/4" (6 mm) of space needs to be maintained between the units to ensure unobstructed door swing.

Units must operate from separate, properly grounded electrical receptacles placed according to each unit's electrical specifications requirements.

Side-by-Side Installation with Bracket

1. Slide both units out so screws on top of units are easily accessible.
2. Remove screws as shown below.

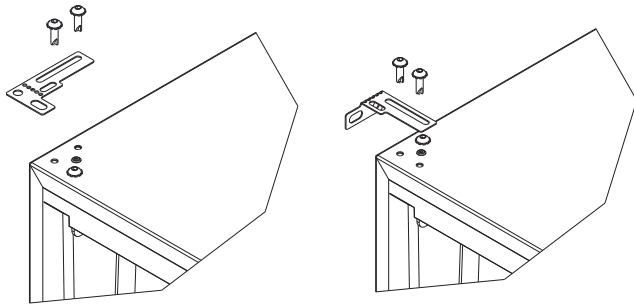


3. Place bracket over holes and attach to unit with two screws removed in step 2 using a T-25 Torx driver. Tighten screws fully.
4. Gently push units into position. Be careful not to entangle the electrical cord or water line, if applicable.
5. Re-check the leveling, from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately 1/8" (3 mm) below the countertop.

Anti-Tip Bracket

1. Slide unit out so screws on top of unit are easily accessible.
2. Remove the two screws from the opposite side of the hinge assembly using a T-25 Torx driver (see below).

NOTE: 1224 models shown with four screw. 1215 models only have three screws, but same screws are used in both applications.

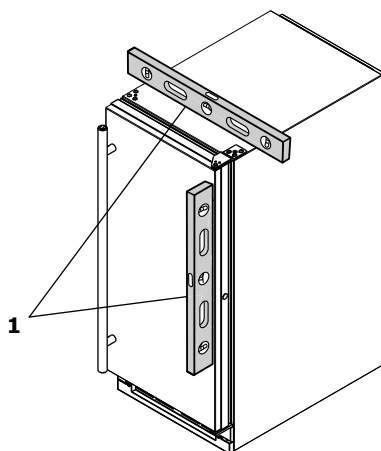


3. Place bracket (part #14154) over holes and attach to unit with two screws removed in step 2 using a T-25 Torx driver. Tighten screws fully.
4. Gently push unit into position. Be careful not to entangle the electrical cord or water line, if applicable.
5. Check to be sure the unit is level from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately 1/8" (3 mm) below the countertop.
6. Secure bracket into adjoining surface.

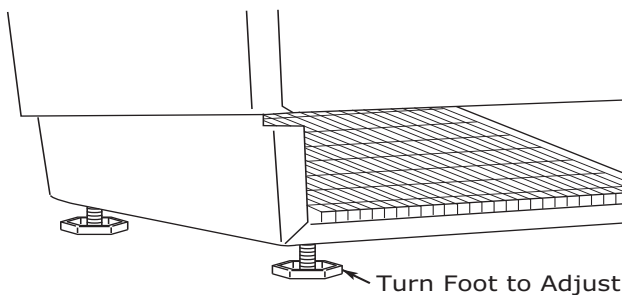
General Installation

LEVELING INFORMATION

1. Use a level to confirm the unit is level. Level should be placed along top edge and side edge as shown.



2. If the unit is not level, adjust the feet on the corners of the unit as necessary.



3. Confirm the unit is level after each adjustment and repeat the previous steps until the unit is level.

INSTALLATION TIP

If the room floor is higher than the floor in the cutout opening, adjust the rear feet to achieve a total unit rear height of 1/8" (3 mm) less than the opening's rear height. Shorten the unit height in the front by adjusting the front feet. This allows the unit to be gently tipped into the opening. Readjust the front feet to level the unit after it is correctly positioned in the opening.

INSTALLATION

This model is intended for indoor/interior applications only and is not to be used in installations that are open/exposed to natural elements.

1. Plug in the power cord.
2. Gently push the unit into position. Be careful not to kink the water supply line or entangle the power cord.
3. Re-check the leveling, from front to back and side to side. Make any necessary adjustments. The unit's top surface should be approximately 1/8" (3 mm) below the countertop.
4. Remove the tape from the glass shelves and wipe out the inside of the unit with a clean, water-dampened cloth.

Integrated Panel Dimensions

INTEGRATED PANEL

NOTICE

Due to differences in surrounding cabinetry the panel may not perfectly align with door. The procedure below is designed to provide a finished integrated panel that seamlessly integrates with surrounding cabinetry.

The door panel must not weigh more than 20 lbs (10 kg).

It is important to ensure that all drilled holes are drilled to the correct depth in order to avoid splits in the wood when hardware is installed.

When applying an integrated panel to a unit, ensure that both sides are finished in order to prevent warping. In some panel installations, the panel may be visible through the glass while the door is open.

A full integrated door panel completely covers the door frame and provides a built-in appearance.

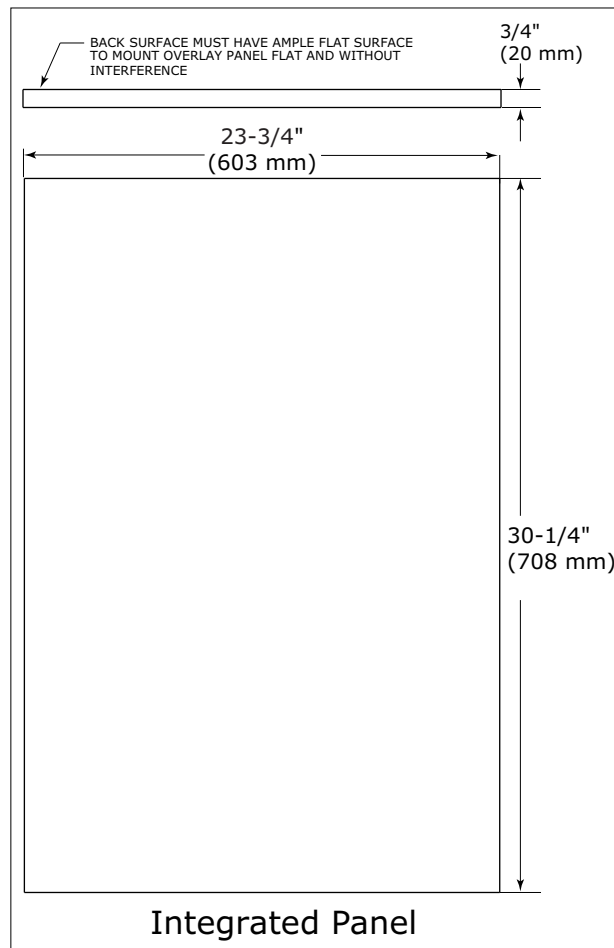
Integrated Panel Preparation

1. Cut the panels to the dimensions listed in the diagram below.

2. Optional: Stain or Finish panel to desired stain or color. Be sure to closely follow the instructions provided by the manufacturer.

3. Optional: Install handles and hardware.

Integrated Panel Dimensions

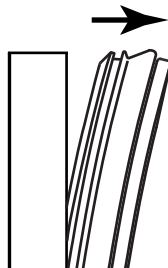


Integrated Panel Installation

1. Fully open door/drawer.

2. Starting at corner, pull gasket away from door/drawer.

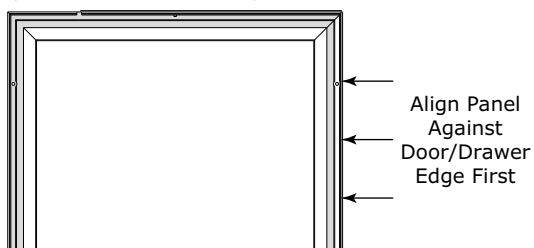
3. Continue to pull gasket free from gasket channel.



4. Upon removal, lay gasket down on a flat surface.

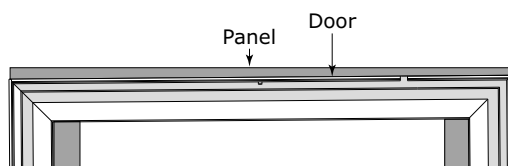
5. The panel should be aligned with the outside edge (opposite the hinge) and high enough to align with the highest point in the door/drawer.

Align Top Of Panel With Highest Point Of Door/Drawer

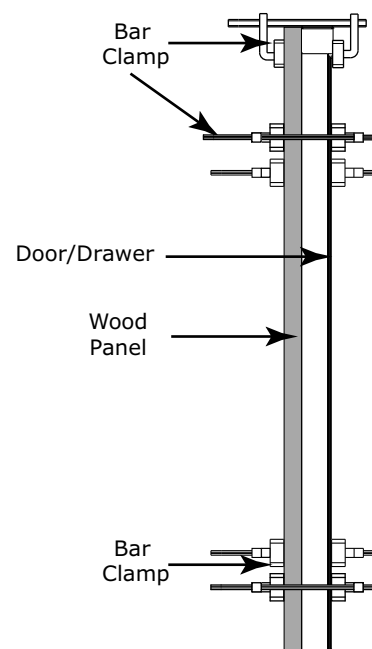


NOTICE

Due to differences in floor construction or surrounding cabinetry, the panel may not sit flush with the top of the door/drawer.



6. Secure integrated panel to door/drawer using clamps. A robust tape may also be used. U-Line recommends the use of bar clamps to secure the panel to the door/drawer. If using tape, be certain the tape will not damage panel finish upon removal.



7. Using a 7/64" (3 mm) drill bit, drill 6 pilot holes into the wood panel 1/2" (12 mm) deep using the holes in the door/drawer frame as a guide.

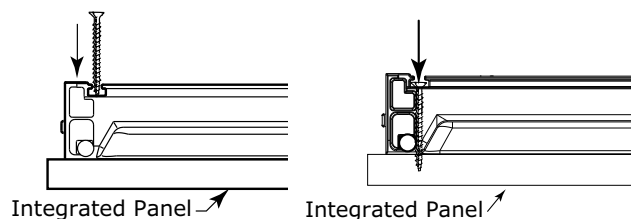
NOTICE

It is important to ensure that all drilled holes are drilled to the correct depth in order to avoid splits in the wood when hardwood is installed.

8. Locate 6 of the #6x 1-1/4" (32 mm) screws provided with your unit.

9. Using a Phillips screwdriver, place one screw into each of the 6 pilot holes and screw down. Do not overtighten screws.

10. Be sure the screws force their way past the opening on the gasket channel and sit flush against the bottom of the channel.



11. Remove clamps from door/drawer.

NOTICE

If panel requires additional adjustment after removing clamps, slightly loosen each screw and adjust panel as necessary. Tighten screws upon completion.

12. Starting at the corners, re-install the gasket into the gasket channel in the frame. Make sure the gasket is fully seated. This may take some force.

Grille - Plinth Installation

REMOVING AND INSTALLING GRILLE



Disconnect electric power to the unit before removing the grille.



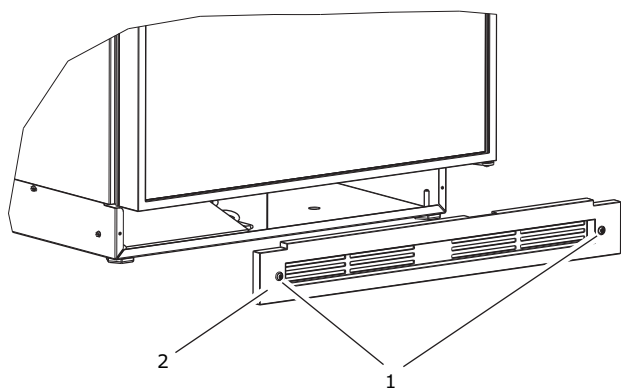
DO NOT touch the condenser fins. The condenser fins are SHARP and can be easily damaged.

Removing the grille

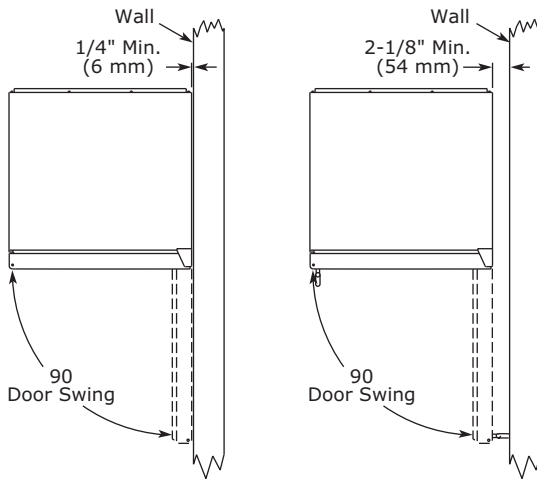
1. Disconnect power to the unit.
2. Loosen the two screws (1).
3. Remove grille (2) from unit.

Installing the grille

1. Align cabinet and grille holes and secure, but do not over tighten grille screws (1).
2. Reconnect power to the unit.



Door Swing



Units have a zero clearance for the door to open 90°, when installed adjacent to cabinets.

Stainless Steel and black and white models require 2-1/8" (54 mm) door clearance to accommodate the handle if installed next to a wall.

Integrated models require 1/4" (6 mm) clearance if installed next to a wall. Allow for additional space for any knobs or pulls installed on the integrated panel/frame.

Door Stop

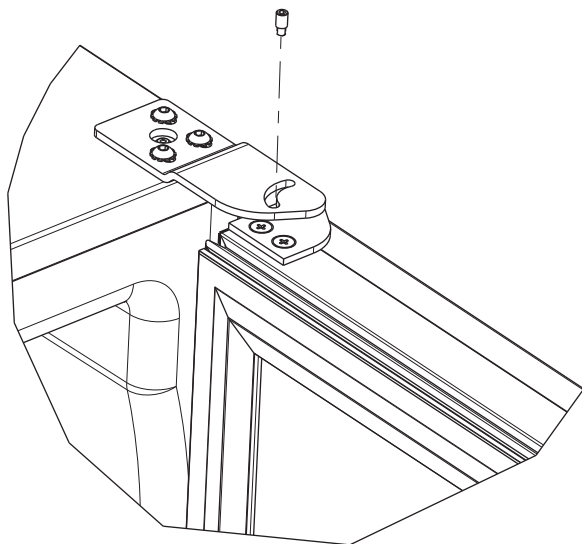
Your U-Line unit was shipped to you with the optional 90° pin(s). (Models that are 15" wide include 1 pin. Models that are 24" wide include 2 pins.) The unit's door will open freely without a fixed opening angle limitation. If you would like the door stop at 90° follow these instructions.

NOTICE

The pin is designed to stop the door at 90° under normal operating conditions. It is not designed for excessive force. Do not use the door to move the unit in/out of the cutout during installation.

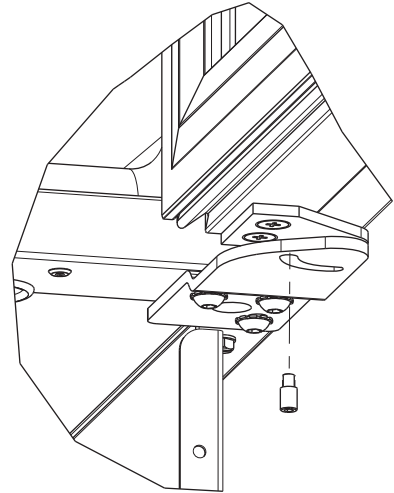
If your unit is already undercounter, it might need to be moved out/forward to access the hinge.

1. Locate the threaded pin.
2. With the door between 0° (closed) and 90° and using a 3/32" hex driver, install the threaded pin through the hinge.



3. On 24" models, a second pin is included for the bottom hinge. Repeat steps above for second hinge.

NOTE: Threaded pin will be inserted from the bottom.



4. Carefully slide your unit back in place.

NOTICE

The pin can be removed to return the door swing back to its original state by unscrewing the threaded pin.

Door Adjustments

DOOR ALIGNMENT AND ADJUSTMENT

Align and adjust the door if it is not level or is not sealing properly. If the door is not sealed, the unit may not cool properly, or excessive frost may form in the interior.

NOTICE

Properly aligned, the door's gasket should be firmly in contact with the cabinet all the way around the door (no gaps). Carefully examine the door's gasket to ensure that it is firmly in contact with the cabinet. Also make sure the door gasket is not pinched on the hinge side of the door.

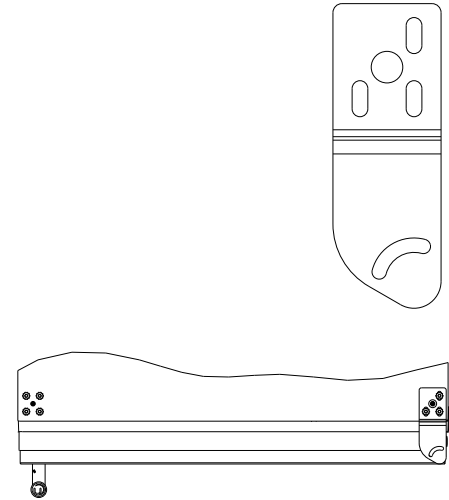
To align and adjust the door:

1. Remove grille (see GRILLE-PLINTH INSTALLATION).
2. Loosen (do not remove) top and bottom hinge screws.
3. Align door squarely with cabinet.
4. Make sure gasket is firmly in contact with cabinet all the way around the door (no gaps).
5. Tighten bottom hinge screws.
6. Tighten top hinge screws.

REVERSING THE DOOR

Location of the unit may make it desirable to mount the door on the opposite side of the cabinet.

The hinge hardware will be removed and reinstalled on the opposite side of the cabinet.



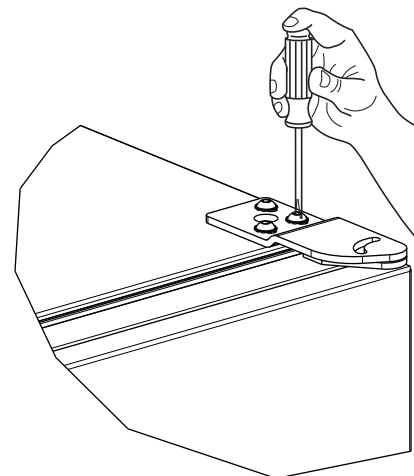
TO REVERSE THE DOOR

Remove grille:

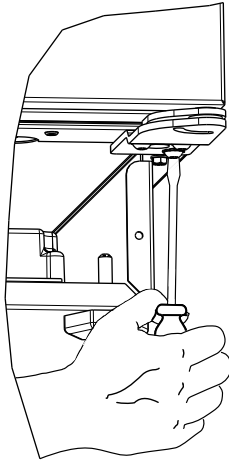
Remove the grille (see the GRILLE-PLINTH INSTALLATION section of this guide).

Remove door:

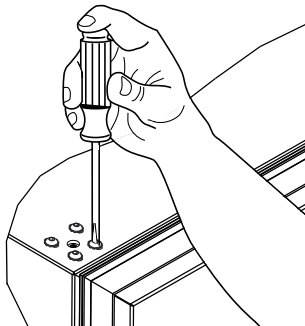
1. Hold door to keep it from falling.
2. Remove top hinge from cabinet by removing three screws.



3. Remove bottom hinge from cabinet by removing three screws. Support the door and hinge assembly and remove it from the cabinet.



4. Remove four screws from hinge holes on the opposite side. Reinstall into holes where the hinge was removed. Take care not to scratch cabinet.

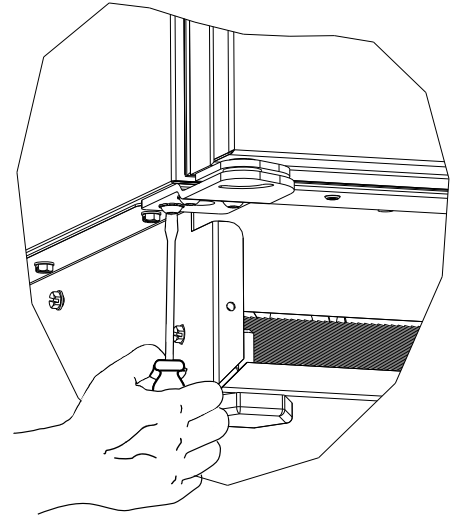


5. Remove it from the cabinet. Repeat for cabinet base.

Prepare door for reinstallation:

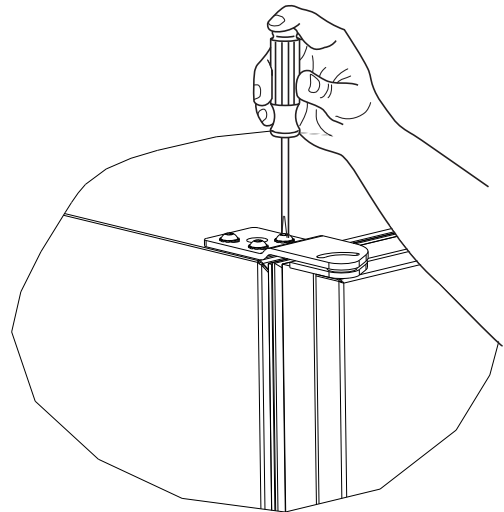
1. Rotate door 180° to reverse.
2. Align the flat edge of the hinge with the outer edge of the cabinet.
3. Hold door to keep from falling.

4. Tighten three screws.



5. Align flat edge of the hinge with the outer edge of the unit.

6. Tighten three screws.



Align and adjust the door:

Align and adjust the door (see DOOR ALIGNMENT AND ADJUSTMENT).

Install grille:

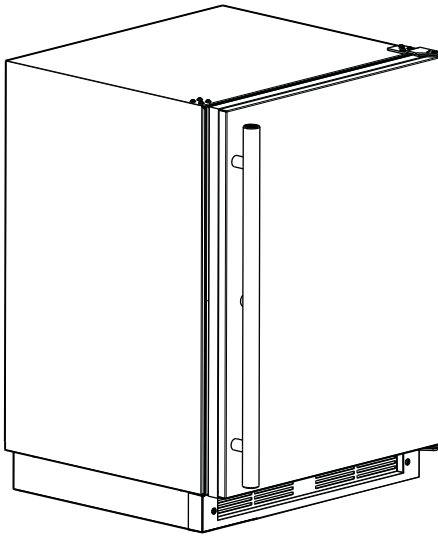
Install the grille.

Free Standing Kit

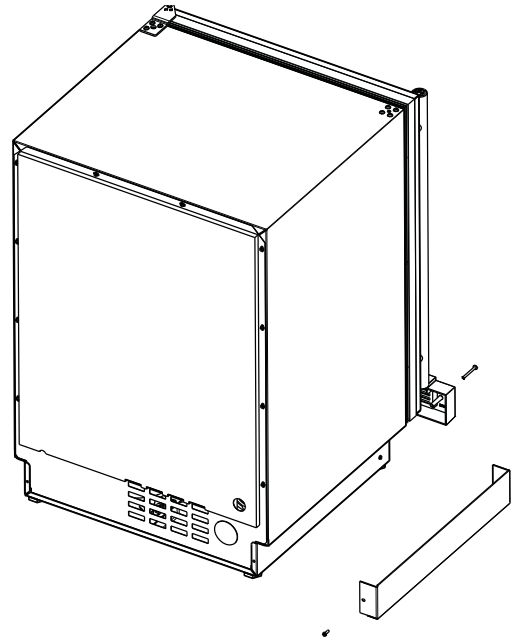
The free standing kit is an optional accessory. It is only used when unit is not installed in surrounding cabinetry.

To install the kit:

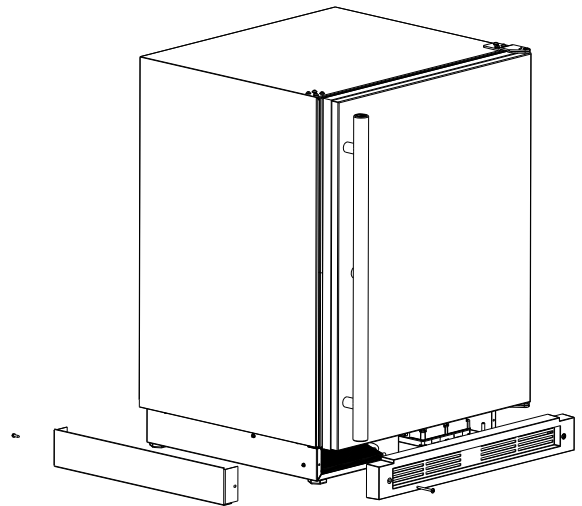
1. Remove grille (see GRILLE-PLINTH INSTALLATION section).



2. Place shell accessory over front and back of cabinet base, aligning holes of shell accessory with the holes on the base. Insert sheet metal screw in back of base.



3. Align front hole with hole in shell accessory, hole in base, and hole in grille. Tighten screw.



First Use

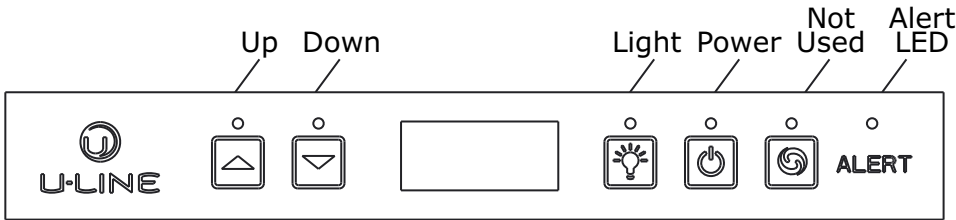
All U-Line controls are preset at the factory. Initial startup requires no adjustments.

NOTICE

U-Line recommends allowing the unit to run overnight before loading with product.

When plugged in, the unit will begin operating under the factory default settings. If the unit was turned off during installation, simply press  and the unit will immediately switch on. To turn the unit off, press .

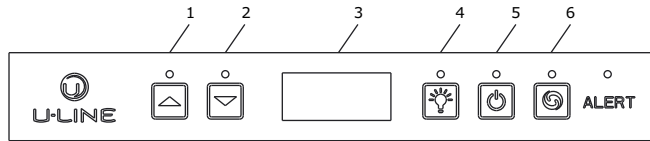
Control Operation



CONTROL FUNCTION GUIDE

FUNCTION	COMMAND	DISPLAY/OPTIONS
ON/OFF	Press  and release	Unit will immediately turn ON or OFF.
Toggle lights	Press  and release to leave interior light on for 3 hours	Glass door wine and beverage centers only.
Adjust refrigerator set point	Press  and  and release	When the "F" or "C" in the display is flashing, press  or  to adjust the set point temperature.
View temperature in unit	Press  and  together and release	The display will flash and then toggle from set point to temperature in unit.
Toggle between F/C	Hold  and  for five seconds	The display will change units.

Sabbath Mode



This unit is Star-K certified and offers a Sabbath mode. Sabbath mode disables system responses to user initiated activities and all external functions; including lighting, display and audible alarms. The unit will still maintain internal temperatures and set points. View a full list of Star-K certified U-Line units at www.star-k.org.

To enable Sabbath Mode.

1. Press  (4) and hold for ten seconds and release (the °F/°C symbol will flash briefly at the end of the ten second period).
2. The interior light and control display (3) will go dark until user resets mode.
3. NOTE: Although the display will not be visible, the temperature controls in the unit remain active, and preserve the interior temperature.

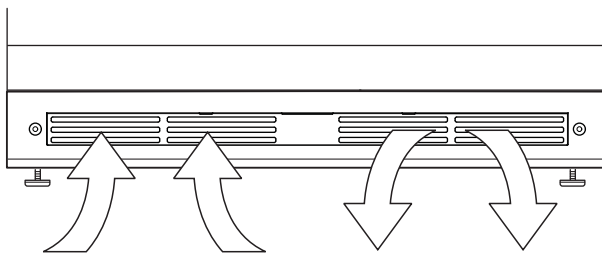
Sabbath Mode remains active until  (4) is quickly pressed and released.

Airflow and Product Loading

NOTICE

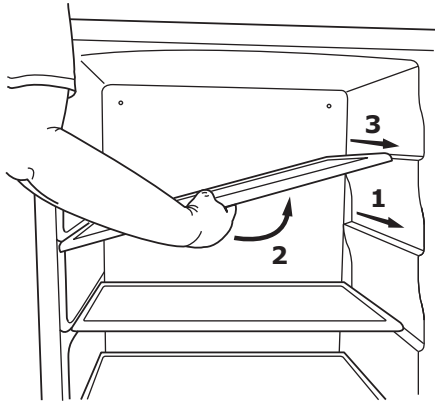
The unit requires proper airflow to perform at its highest efficiency. Do not block the front grille, or the unit will not perform as expected. Do not install the unit behind a door. When loading your unit, leave space between the evaporator and product loaded. Anything in direct contact with the evaporator is subject to freezing.

When properly loaded, your U-Line unit will store up to 185 (12 oz. [330 ml]) cans or 123 (12 oz. [330 ml]) bottles.



Interior Shelves

REMOVING AND INSTALLING INTERIOR SHELVES



For models equipped with glass shelves having recessed shelf supports, remove the shelves as follows:

1. Pull shelf out about 6" (1), until back of shelf clears the "hump" on the right-hand side.
2. Tilt up right-hand edge of shelf (2).
3. Remove shelf from unit by pulling out (3).

Insert the shelves as follows:

1. To move to a different position in the unit, insert shelf at an angle, approximately 15-20°, over the rib in the side of the unit where you want to place the shelf. Place the shelf into the unit at an angle to clear the door.
2. Continue to slide the shelf into the unit at an angle until it clears the door.

Lower the shelf and push it in completely. Ensure the raised edge strip is toward the rear of the unit.

NOTICE

Make sure the shelves are inserted fully into the unit.

The edge strip toward the rear prevents cans and bottles from freezing against the cold evaporator.

Cleaning

EXTERIOR CLEANING

Vinyl Clad (Black or White)

Clean surfaces with a mild detergent and warm water solution. Do not use solvent-based or abrasive cleaners. Use a soft sponge and rinse with clean water. Wipe with a soft, clean towel to prevent water spotting.

Clean any glass surfaces with a non-chlorine glass cleaner.

Stainless Models

Stainless door panels, handles and frames can discolor when exposed to chlorine gas, pool chemicals, saltwater or cleaners with bleach.

Keep your stainless unit looking new by cleaning with a good quality all-in-one stainless steel cleaner and polish monthly. For best results use Claire® Stainless Steel Polish and Cleaner, which can be purchased from U-Line Corporation (Part Number 173348). Comparable products are acceptable. Frequent cleaning will remove surface contamination that could lead to rust. Some installations may require cleaning weekly.

Do not clean with steel wool pads.

Do not use stainless steel cleaners polishes on any glass surfaces.

Clean any glass surfaces with a non-chlorine glass cleaner.

Do not use cleaners not specifically intended for stainless steel on stainless surfaces (this includes glass, tile and counter cleaners).

If any surface discoloring or rusting appears, clean it quickly with Bon-Ami® or Barkeepers Friend Cleanser® and a nonabrasive cloth. Always clean with the grain. Always finish with Claire Stainless Steel Polish and Cleaner or comparable product to prevent further problems.

Using abrasive pads such as Scotchbrite™ will cause the graining in the stainless steel to become blurred.

Rust not cleaned up promptly can penetrate the surface of the stainless steel and complete removal of the rust may not be possible.

Integrated Models

To clean integrated panels, use household cleaner per the cabinet manufacturer's recommendation.

INTERIOR CLEANING

Disconnect power to the unit.

Clean the interior and all removed components using a mild nonabrasive detergent and warm water solution applied with a soft sponge or non-abrasive cloth.

Rinse the interior using a soft sponge and clean water.

Do not use any solvent-based or abrasive cleaners. These types of cleaners may transfer taste to the interior products and damage or discolor the interior.

DEFROSTING

Under normal conditions this unit does not require manual defrosting. Minor frost on the rear wall or visible through the evaporator plate vents is normal and will melt during each off cycle.

If there is excessive build-up of 1/4" (6 mm) or more, manually defrost the unit.

Ensure the door is closing and sealing properly.

High ambient temperature and excessive humidity can also produce frost.



DO NOT use an ice pick or other sharp instrument to help speed up defrosting. These instruments can puncture the inner lining or damage the cooling unit. DO NOT use any type of heater to defrost. Using a heater to speed up defrosting can cause personal injury and damage to the inner lining.

NOTICE

The drain pan was not designed to capture the water created when manually defrosting. To prevent water from overflowing the drain pan, place towels or other absorbent materials over the interior drain trough (under the evaporator) before defrosting.

To defrost:

1. Disconnect power to the unit.
2. Remove all products from the interior.
3. Prop the door in an open position (2 in. [50 mm] minimum).
4. Allow the frost to melt naturally.
5. After the frost melts completely clean the interior and all removed components. (See INTERIOR CLEANING).
6. When the interior is dry, reconnect power and turn unit on.

Cleaning Condenser

INTERVAL - EVERY SIX MONTHS

To maintain operational efficiency, keep the front grille free of dust and lint, and clean the condenser when necessary. Depending on environmental conditions, more or less frequent cleaning may be necessary.



Disconnect electric power to the unit before cleaning the condenser.

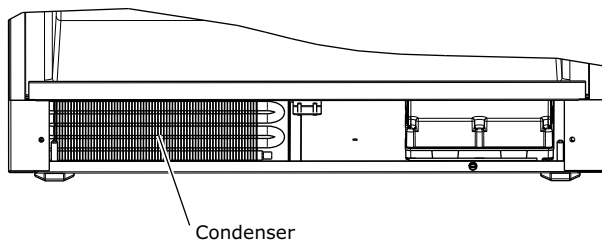


DO NOT touch the condenser fins. The condenser fins are SHARP and can be easily damaged.

NOTICE

DO NOT use any type of cleaner on the condenser unit.

1. Remove the grille.
2. Clean the condenser coil using a using a soft brush with a “combing” action or vacuum cleaner.
3. Install the grille.



Extended Non-Use

VACATION/HOLIDAY, PROLONGED SHUTDOWN

The following steps are recommended for periods of extended non-use:

1. Remove all consumable content from the unit.
2. Disconnect the power cord from its outlet/socket and leave it disconnected until the unit is returned to service.
3. If ice is on the evaporator, allow ice to thaw naturally.
4. Clean and dry the interior of the unit. Ensure all water has been removed from the unit.
5. The door must remain open to prevent formation of mold and mildew. Open door a minimum of 2" (50 mm) to provide the necessary ventilation.

WINTERIZATION

If the unit will be exposed to temperatures of 40°F (5°C) or less, the steps above must be followed.

For questions regarding winterization, please call U-Line at +1.800.779.2547.



Damage caused by freezing temperatures is not covered by the warranty.

Accessories

80-51004-00



Accessories - Anti-Tip
Mounting Brackets
US\$18.99

23054-01



Accessories - Stainless Steel
PRO Style Door Handle,
1-1/4" in diameter
US\$49.00

Troubleshooting

BEFORE CALLING FOR SERVICE

If you think your U-Line product is malfunctioning, read the CONTROL OPERATION section to clearly understand the function of the control.

If the problem persists, read the NORMAL OPERATING SOUNDS and TROUBLESHOOTING GUIDE sections below to help you quickly identify common problems and possible causes and remedies. Most often, this will resolve the problem without the need to call for service.

IF SERVICE IS REQUIRED

If you do not understand a troubleshooting remedy, or your product needs service, contact U-Line Corporation directly at +1.800.779.2547.

When you call, you will need your product Model and Serial Numbers. This information appears on the Model and Serial number plate located on the upper right or rear wall of the interior of your product.

NORMAL OPERATING SOUNDS

All models incorporate rigid foam insulated cabinets to provide high thermal efficiency and maximum sound reduction for its internal working components. Despite this technology, your model may make sounds that are unfamiliar.

Normal operating sounds may be more noticeable because of the unit's environment. Hard surfaces such as cabinets, wood, vinyl or tiled floors and paneled walls have a tendency to reflect normal appliance operating noises.

Listed below are common refrigeration components with a brief description of the normal operating sounds they make. NOTE: Your product may not contain all the components listed.

- Compressor: The compressor makes a hum or pulsing sound that may be heard when it operates.

- Evaporator: Refrigerant flowing through an evaporator may sound like boiling liquid.
- Condenser Fan: Air moving through a condenser may be heard.
- Automatic Defrost Drain Pan: Water may be heard dripping or running into the drain pan when the unit is in the defrost cycle.

TROUBLESHOOTING GUIDE

DANGER

ELECTROCUTION HAZARD. Never attempt to repair or perform maintenance on the unit before disconnecting the main electrical power.

Troubleshooting - What to check when problems occur:

Problem	Possible Cause and Remedy
Digital Display and Light Do Not Work.	Ensure power is connected to the unit. If the unit is cooling, it may be in Sabbath mode.
Interior Light Does Not Illuminate.	The light bulb may be defective. If the unit is cooling, it may be in Sabbath mode.
Light Remains on When Door Is Closed.	For glass door models, press the light icon and close the door. Check reed switch.
Unit Develops Frost on Internal Surfaces.	Frost on the rear wall is normal and will melt during each off cycle. If there is excessive build-up of 1/4" or more, manually defrost the unit. Ensure the door is closing and sealing properly. High ambient temperature and excessive humidity can also produce frost.
Unit Develops Condensation on External Surfaces.	The unit is exposed to excessive humidity. Moisture will dissipate as humidity levels decrease.
Digital Display Functions, But Unit Does Not Cool.	Ensure the unit is not in "Showroom Mode." Momentarily unplug or interrupt power supply to the unit.
Digital Display Shows ER or E Followed by a Number.	E3 indicates the door may be opened too long. Ensure the door is closing properly. For other error codes contact U-Line Customer Service.

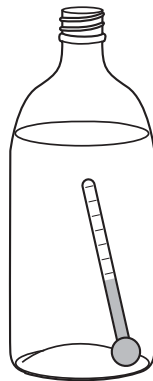
Problem	Possible Cause and Remedy
Digital Display Shows 1-16 or 99	A factory test mode may be enabled. Adjust the temperature to 99 and press the LIGHT icon.
Product Is Freezing.	Because product in contact with the rear wall may freeze, ensure no product is touching the rear wall. Adjust the temperature to a warmer set point.
Product Is Not Cold Enough.	Air temperature does not indicate product temperature. See CHECKING PRODUCT TEMPERATURE below. Adjust the temperature to a cooler set point. Ensure unit is not located in excessive ambient temperatures or in direct sunlight. Ensure the door is closing and sealing properly. Ensure the interior light has not remained on too long. Ensure nothing is blocking the front grille, found at the bottom of the unit. Ensure the condenser coil is clean and free of any dirt or lint build-up.

- After 24 hours, check the temperature of the water. If required, adjust the temperature control in a small increment (see CONTROL OPERATION).

Causes which affect the internal temperatures of the cabinet include:

- Temperature setting.
- Ambient temperature where installed.
- Installation in direct sunlight or near a heat source.
- The number of door openings and the time the door is open.
- The time the internal light is illuminated. (This mainly affects product on the top rack or shelf.)

CHECKING PRODUCT TEMPERATURE



To check the actual product temperature in the unit:

- Partially fill a plastic (nonbreakable) bottle with water.
- Insert an accurate thermometer.
- Tighten the bottle cap securely.
- Place the bottle in the desired area for 24 hours.
- Avoid opening the unit during the testing period.

Warranty

U-LINE CORPORATION LIMITED WARRANTY

1. U-Line Corporation ("U-Line") warrants each U-Line product to be free from defects in materials and workmanship for a period of one year (two years on Modular 3000 Series) from the date of purchase. U-Line further warrants the sealed system (consisting of the compressor, condenser, evaporator, hot gas bypass valve, dryer, and connecting tube) in each U-Line product to be free from defects in materials and workmanship for a period of five years from the date of purchase.
2. During the initial one year warranty period (two years on Modular 3000 Series) for all U-Line products U-Line shall: (1) repair any product or replace any part of a product; and (2) for all Marine, RV and Domestic U-Line products sold and serviced in the United States (including Alaska and Hawaii) and Canada, U-Line shall be responsible for the labor costs performed by a U-Line authorized service company, incurred in connection with the replacement of any defective part. During years two through five of the warranty period for the sealed system, U-Line shall: (1) at U-Line's option repair or replace any part of the sealed system; and (2) for all Marine, RV and Domestic U-Line products sold and serviced in the United States (including Alaska and Hawaii) and Canada, U-Line shall be responsible for the labor costs incurred in connection with the replacement of any defective part of the sealed system. All other charges, including transportation charges for replacements under this warranty and labor costs not specifically covered by this warranty, shall be the responsibility of the purchaser. This warranty extends only to the original purchaser of the U-Line product. The Product Registration Card included with the product should be promptly completed by you and mailed back to U-Line or you can register on-line at www.u-lineservice.com.
3. The warranty listed above does not apply to floor display models. The warranty for these models shall be 30 days from the date of retail purchase and only if U-Line's Product Registration Card included with the unit is completed and mailed back or electronically submitted to U-Line. This 30 day warranty does not apply to cosmetic damages. A proof of purchase may be required.
4. The following conditions are excluded from this limited warranty: use of cleaners other than the recommended stainless steel cleaners and U-Line Clear Ice Maker cleaner; installation charges; damages caused by disasters or acts of God, such as fire, floods, wind and lightning; damages incurred or resulting from shipping, improper installation, unauthorized modification, or misuse/abuse of the product; customer education calls; food loss and spoilage; door and water level adjustments (except during the first 30 days from the date of installation); defrosting the product; adjusting the controls; door reversal; and cleaning the condenser.
5. U-Line product are designed to operate in ambient temperatures between 50°F and 100°F unless otherwise noted in the product manual. Exposure to temperatures outside this range may cause degradation of performance and issue such as lower ice production or spoiled contents are not covered under the terms of this warranty as a result of that exposure. U-Line product may not be subjected to temperatures below 40F without following the winterization and vacation shutdown procedures in the user guide.
6. U-Line's Outdoor Limited Warranty, set forth in this Paragraph 6 shall apply to U-Line models deemed suitable for outdoor use by Underwriters Laboratory ("UL") as noted in the U-Line Product Catalog, U-Line's website and/or on the serial tag located inside the product.
 - A. Outdoor product may come into contact with rain by virtue of outdoor use. Exposure to other sources of water shall also cause this warranty to be void, including flooding of the area in proximity of the unit greater than 1/8" deep in water, hurricanes, splashing of pool water, or directing a spray from a hose or similar device into and around the unit.

7. If a product defect is discovered during the applicable warranty period, you must promptly notify either U-Line at 8900 N. 55th Street, Milwaukee, Wisconsin 53223 USA or at +1.800.779.2547 or the dealer from whom you purchased the product. In no event shall such notification be received later than 30 days after the expiration of the applicable warranty period. U-Line may require that defective parts be returned, at your expense, to U-Line's factory in Milwaukee, Wisconsin, for inspection. Any action by you for breach of warranty must be commenced within one year after the applicable warranty period.
8. THIS LIMITED WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE DISCLAIMED. U-Line's sole liability and your exclusive remedy under this warranty is set forth in the paragraphs above. U-Line shall have no liability whatsoever for any incidental, consequential or special damages arising from the sale, use or installation of the product or from any other cause whatsoever, whether based on warranty (express or implied) or otherwise based on contract, tort or any other theory of liability.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Warranty 6/2014 Rev.G