



# Austune SD Range

## GLASS DOOR CHILLERS AND FREEZERS

*Please read this manual completely before attempting to install or operate this equipment!*

Model No. :

**CHILLERS**

**G1RSD-10**  
**G1RSD-12**  
**G1RSD-15**  
**G1RSD-20**  
**G1RSD-23**  
**G2RSD-35**  
**G2RSD-47**  
**G3RSD-72**

**FREEZERS**

**G1FSD-10**  
**G1FSD-15**  
**G1FSD-23**  
**G2FSD-35**  
**G2FSD-47**  
**G3FSD-72**

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## SERIAL NUMBER

The serial number can be found on the data label located inside the unit.  
Please retain the unit serial number for service purposes.

## ENERGY STAR

As an Energy Star Partner, the following products meet the Energy Star guidelines for energy efficiency.

G1RSD-10 / G1RSD-12 / G1RSD-15 / G1RSD-20 / G1RSD-23 / G2RSD-35 /  
G2RSD-47 / G3RSD-72

G1FSD-10 / G1FSD-15 / G1FSD-23 / G2FSD-35 / G2FSD-47 / G3FSD-72

## INSTALLATION

### 1. GOOD AIR CIRCULATION

- Please make sure to avoid any partition or objects that may stop the air flow.
- Please make sure there is enough space for air circulation to the rear of the unit.  
Recommended space between the rear of the unit to the wall is at least 100mm.

### 2. PLACE ON STRONG FOUNDATION

- Please make sure that the floor where the unit will be placed can support the total weight plus any other contents that it may hold.

### 3. DO NOT PLACE NEAR HEAT

- Please make sure to avoid hot corners and locations near stoves.
- High ambient temperature will significantly reduce cooling efficiency.

### 4. INDOOR USAGE ONLY

- This unit is designed and tested for indoor use only.
- Outdoor usage will void its warranty.

### 5. STABILIZATION

- Turn leg levelers counter-clockwise in order to level the unit properly.

### 6. LEVELING

- Please make sure that the unit levels from the front to the back and side to side.

### 7. Unit needs to be plugged to a dedicated outlet.

## CLEANING

### 1. CLEANING STAINLESS STEEL INTERIOR AND EXTERIOR

: Damage to stainless steel finish due to improper use of cleaning products or non-recommended products is **NOT** covered under this product's warranty.

• **Do**

- Use warm, soapy water and a soft, clean cloth or sponge.
- Rinse surfaces with clean, warm water and dry immediately to avoid water spots.

• **DO NOT USE**

- Abrasive or harsh cleaners
- Ammonia
- Chlorine bleach
- Concentrated detergents or solvents
- Metal or plastic-textured scouring pads
- Vinegar-based products
- Citrus-based cleaners

### 2. CLEANING THE CONDENSER FINS

- To maintain proper refrigeration performance, the condenser coil must be free of dust, dirt, and grease.

This will require periodic cleaning. Condenser fins should be cleaned at least every three months (90 days) or as needed.

### 3. CLEAN THE GASKET

- The door gasket should be cleaned frequently to maintain proper sealing.

### 4. CHECK AFTER CLEANING

- Check the unit again for safety.
- Check that the unit is operating properly.

## CAUTION

### 1. POWER CORD

- Please make sure that the power cord is connected to the proper voltage.
- The power cord must be connected to a protected circuit with the correct voltage and amperage.
- Turn 'off' the power switch before disconnecting the power cord, whenever performing maintenance functions or cleaning the refrigerated cabinet.
- Compressor warranties are void if compressor burns out due to improper voltage.

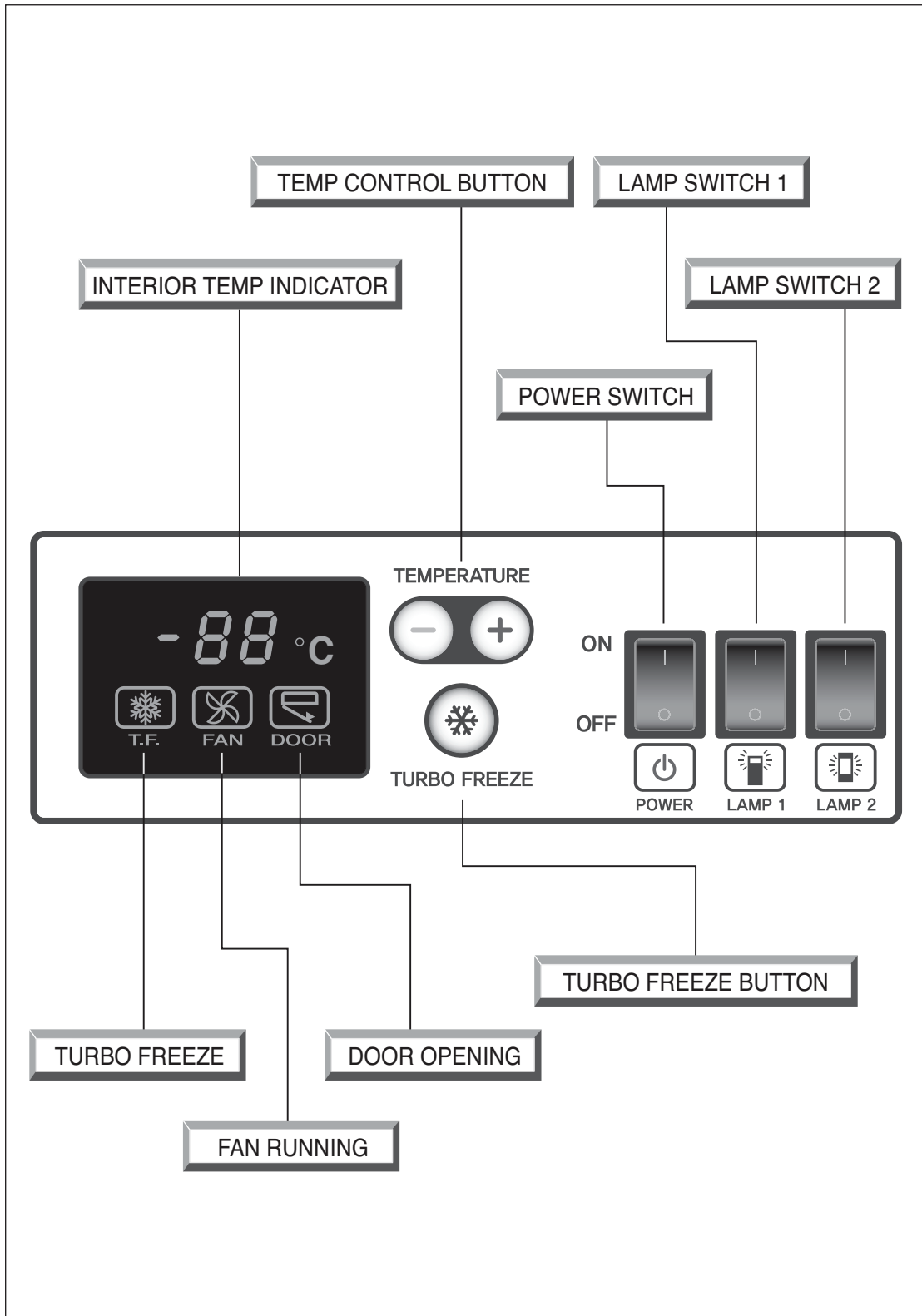
### 2. RE-STARTING

- If disconnected, wait for 5 minutes before re-starting.

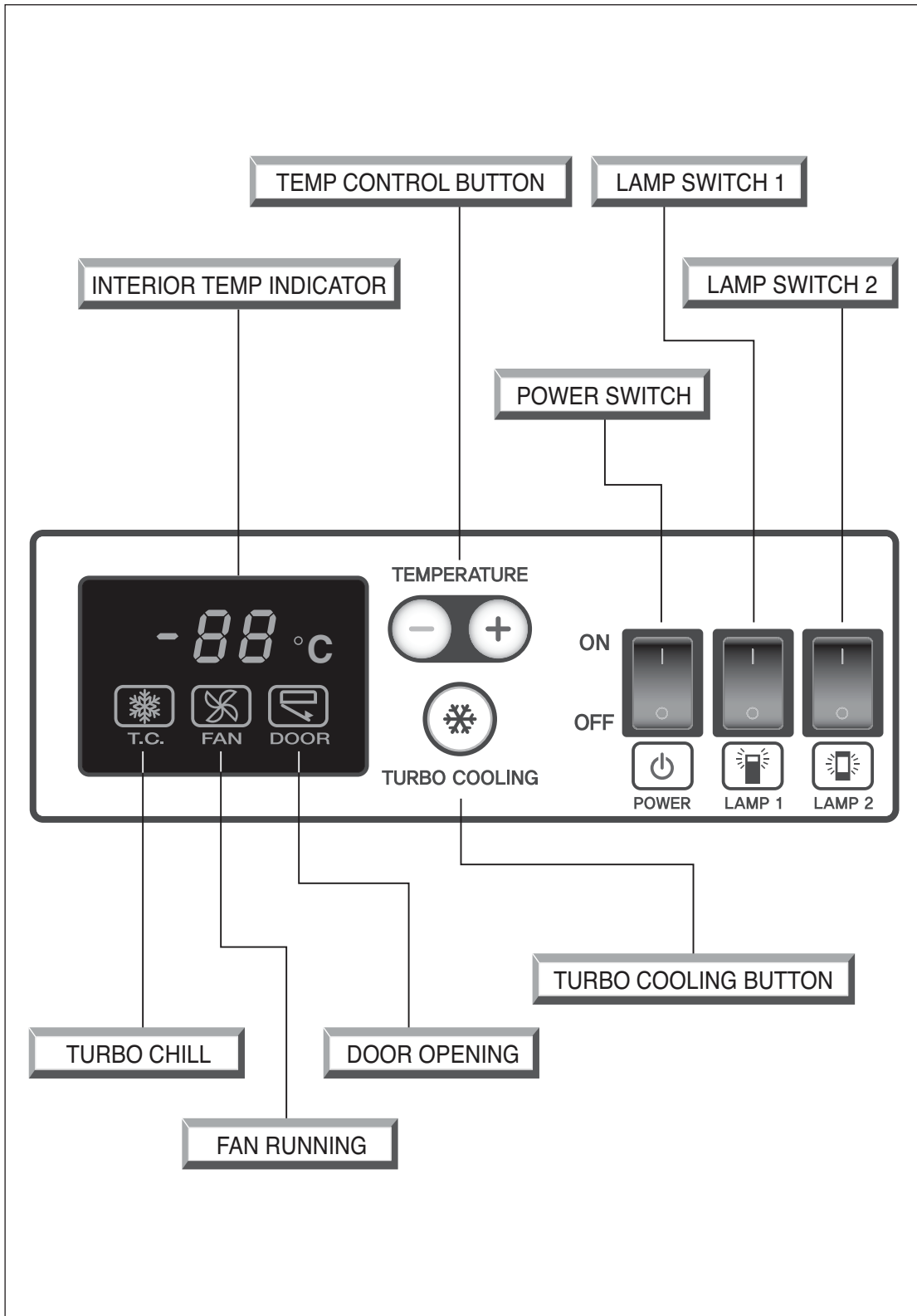
## BASIC OPERATION

1. Plug in to turn on the power and lamp switch located to the right side of the bottom grille.  
The display panel will light up and make a beeping noise. The compressor will begin to run.
2. The default temperature setting is at “3°C” for the Chillers.  
The default temperature setting is at “-22°C” for the Freezers.
3. The compressor is automatically cycled by the electronic controller (PCB, F-Sensor).
4. The defrost cycle is automatically controlled by the D-sensor, and the PCB.
5. Push the temperature up(+) button for higher temperatures and the temperature down(-) button for lower temperatures.
6. Evaporator fan motor will run after all doors are completely closed.
7. Good air flow in freezer is critical.  
Be careful when stationing the product so that it does not press against the back wall, and is at least 4 inches away from the evaporator compartment.  
Observe Load Lines.

## DISPLAY PANEL OF FREEZERS



# DISPLAY PANEL OF CHILLERS



## TURBO FREEZE

1. If you push the T.F. (Turbo Freeze) button, the compressor will run for 120 minutes to bring down the temperature more rapidly.
2. If you push the T.F. button again during Turbo Freeze mode, the compressor will return to the normal operation.
3. During the Turbo Freeze mode, the temperature Up(+)/Down(-) button will not affect the compressor's operation.

## UP(+)/DOWN(-) BUTTON (Temperature control button)

1. By pushing the UP(+)/Down(-) button, you can set the inside temperature.
  - Chillers : From '10°C' to '-1°C'
  - Freezers : From '-15°C' to '-27°C'
2. To reduce the temperature, push the Down (-) button.

## DEFROST

1. The electronic controller (PCB) features an intellectual algorithm which can recognize the defrost period that eliminates any icing on the evaporator, which automatically adjusts to optimal energy saving temperatures. For additional options, this feature can be monitored and adjusted remotely by a wireless connection.
2. If it is necessary to change the intervals of defrost due to unusual operating conditions, it can be accomplished by adjusting the switch which is located on the inside the bottom grille.
3. Once all frost is eliminated, the temperature will continue to rise until it reaches (6°C). When this temperature is detected by the defrost limit control, the defrost control changes to refrigeration mode.
4. The panel displays “ $dF$ ” during the defrost cycle.



## IN ORDER TO SAFELY STORE FOOD (ALARM)

This chiller will sound a warning alarm when temperatures fall outside of normal temperature ranges.

After pressing the temperature adjustment button and turning off the alarm, please place a service call.



## INNER TEMPERATURE DISPLAY

1. It displays inside temperature.
2. Display range is (-40°C ~ +40°C).
3. When inside temperature is lower than -40°C, the panel will display ' L 0 '.

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when inside temperature is higher than +40°C, the panel will show ' HI '.

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## FAN RUNNING INDICATOR

1. If the fan motor is running, fan running indicator will be turned on.
2. Evaporator fan motor will stop when the door is opened.

## DOOR OPENING INDICATOR

1. If the door is opened, an indicator will be turned on.
2. 30 seconds after the door is opened, it will sound beep three (3) times.
3. 1 minute after the door is left opened, it will sound beep again five (5) times.
4. After 5 minutes of staying open, the beeping sound will ring continuously.
5. Once the door is closed, the beeping noise will stop.

## BEFORE REQUESTING SERVICE

SYMPTOMS	CAUSES	SOLUTIONS
<b>The unit is freezing or melting food.</b>	<ul style="list-style-type: none"> <li>The temperature is set too high or low to contain food fresh.</li> </ul>	<ul style="list-style-type: none"> <li>Push the temperature button to the suitable position.</li> </ul>
<b>The unit does not refrigerate at all.</b>	<ul style="list-style-type: none"> <li>There is a power connection failure problem.</li> </ul>	<ul style="list-style-type: none"> <li>Check the power cord and plug in it correctly.</li> </ul>
<b>The unit does not refrigerate well.</b>	<ul style="list-style-type: none"> <li>The unit is in sunlight or near a heating device.</li> <li>The unit contains hot food or too much food.</li> <li>The unit door is opened too frequently or left open long.</li> <li>The condenser is clogged.</li> </ul>	<ul style="list-style-type: none"> <li>Check the installation place.</li> <li>Check the condition of stored food.</li> </ul>
<b>There is a loud vibration noise.</b>	<ul style="list-style-type: none"> <li>The leveling feet is set incorrectly.</li> <li>The back-side of the unit is too close to the wall.</li> <li>The tray is not in the correct position.</li> </ul>	<ul style="list-style-type: none"> <li>Check the installation and adjust the tray position.</li> </ul>
<b>There are dew-drops on the unit exterior.</b>	<ul style="list-style-type: none"> <li>High-moisture air can produce dewdrops during rainy season.</li> </ul>	<ul style="list-style-type: none"> <li>Wipe with a dry cloth.</li> </ul>
<b>There are dew-drops on the unit interior.</b>	<ul style="list-style-type: none"> <li>The door is opened too frequently or left open long.</li> <li>Damp food is stored.</li> </ul>	<ul style="list-style-type: none"> <li>Keep the door closed to remove dewdrops.</li> </ul>
<b>The door does not close tightly.</b>	<ul style="list-style-type: none"> <li>The door is bent.</li> <li>The unit has a leveling issue.</li> <li>The door gasket has come out.</li> </ul>	<ul style="list-style-type: none"> <li>Level the unit again.</li> <li>Reposition the gasket.</li> </ul>

### The following are not malfunctions:

- A water-flowing sound can be heard when the compressor stops. This is the sound of REFRIGERANT flowing.
- The compressor does not run against defrosting function.