Before using your air conditioner, please read this manual carefully and keep it for future reference, along with your receipt.
This manual provides the information needed for proper use and maintenance of this air conditioner. Basic preventative care can help extend the life of this unit. The “Troubleshooting Tips” section in this manual contains a chart with solutions to the most common problems. Referring to this section may save time and prevent the need for a service call in the event of a problem.

⚠️ CAUTION

- Contact an authorized service technician for installation, repair or maintenance of this unit.
- If power cord is damaged and requires replacement, the work should be performed by authorized service personnel only.
- Installation and repair work must be performed in accordance with national wiring standards by authorized personnel only.
- Do not operate your air conditioner in a room such as a bathroom or laundry room where direct or indirect exposure to water is possible.
- All units have a heating function and must be at least 3 1/2 ft (1 meter) away from combustible and flammable materials.
- The air conditioner is not intended for use by young children without supervision. Young children should be supervised to ensure that they do not play with the air conditioner.
- Disabled persons may require assistance with set up.

NOTE: All the illustrations in this manual are for explanation and reference purposes only. Unit purchased may be slightly different.

The design and specifications are subject to change without prior notice for product improvement. Contact customer service for details.
SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Ignoring instructions or incorrect operation of unit may cause harm to individuals and damage to the unit. The seriousness is classified by the following indicators.

| WARNING | This symbol indicates the possibility of death or serious injury. |
| CAUTION | This symbol indicates the possibility of injury or damage to property. |

Meaning of symbols used in this manual are as shown below.

Never do this.

Always do this.

### WARNING

- **Plug in power plug properly.**
  - Failure to do so may cause electric shock or fire due to excess heat generation.

- **Do not power unit on/off solely by plugging/unplugging unit’s plug into/from the power outlet.**
  - Doing so may cause electric shock or fire due to heat generation.

- **Do not modify power cord in any way. Outlet must be dedicated to air conditioner only.**
  - Doing so may cause electric shock or fire due to heat generation.

- **Always ensure effective grounding.**
  - Incorrect grounding may cause electric shock.

- **Always unplug the unit if strange sounds, smell or smoke comes from the unit.**
  - Failure to do so may cause fire and electric shock.

- **Do not use firearms near unit.**
  - Doing so may cause fire.

- **Room must be properly ventilated before operating air conditioner. Never operate if there is a gas leak from another appliance such as a stove.**
  - Failure to do so may cause explosion, fire and burns.

- **Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.**
  - Doing so may cause an explosion or fire.

### CAUTION

- **Do not operate with wet hands or in damp environment.**
  - Doing so may cause electric shock.

- **Do not allow water to run into electric parts.**
  - Doing so may cause failure of machine or electric shock.

- **Do not use the socket if it is loose or damaged.**
  - Doing so may cause fire and electric shock.

- **Always install circuit breaker and a dedicated power circuit.**
  - Incorrect installation may cause fire and electric shock.

- **Do not direct airflow directly at room occupants.**
  - This could be uncomfortable and cause health issues.

- **Do not power unit on/off solely by plugging/unplugging unit’s plug into/from the power outlet.**
  - Doing so may cause electric shock or fire due to heat generation.

- **Do not use a damaged power cord.**
  - Doing so may cause electric shock or fire. If the power cord is damaged, it must be replaced by the manufacturer or an authorized service center or a similarly qualified person.

- **Do not operate with wet hands or in damp environment.**
  - Doing so may cause electric shock.

- **Always install circuit breaker and a dedicated power circuit.**
  - Incorrect installation may cause fire and electric shock.

- **Do not open the unit during operation.**
  - Doing so may cause electric shock.

- **Do not disassemble, modify, or drill holes into the air conditioner.**
  - Doing so may cause failure and electric shock.
When removing air filter, do not touch metal parts of the unit. Doing so may cause an injury.

Cleaning unit when power is ON may cause fire and electric shock and may cause an injury.

Stop operation and close the window in severe storms or hurricanes. Operation with windows open may cause moisture to enter the room.

Obstacles may cause appliance failure or accident.

Do not place obstacles around air-inlets or inside of air-outlet. Sharp edges could cause injury.

Never drink water drained from air conditioner. Water from unit contains contaminants and could cause illness.

Do not place heavy objects on the power cord and always ensure that the cord is not compressed. There is danger of fire or electric shock.

Ensure proper ventilation especially in rooms with a stove or other appliances. Failure to do so may result in an oxygen shortage.

Unit and Circuit breaker/fuse must be switched OFF when cleaning. This unit is NOT intended to preserve precision devices, food, pets, plants, and art objects. It may cause deterioration of quality, etc.

Hold the plug by the head of the power plug when taking it out. If unit will not be used for a long period of time, turn OFF main power switch.

Do not put a pet or house plant where it will be exposed to direct air flow. Use only as intended.

This could injure the pet or plant. If unit is NOT used, turn OFF main switch.

Periodically check installation bracket for damage. Always insert the filters securely.

Prolonged exposure to outdoor elements may cause damage to installation bracket causing unit to fall. Never drink water drained from air conditioner.

Use only a soft cloth to clean the unit. Use caution when unpacking and installing.

Cleaners or detergents may change the color or scratch the surface of the unit. Water from unit contains contaminants and could cause illness.

Never drink water drained from air conditioner. There is danger of electric shock.
IMPORTANT SAFETY INSTRUCTIONS

**NOTE** The power supply cord with this air conditioner contains a current detection device designed to reduce the risk of fire. Please refer to the section "Operation of Current Device" (next page) for details. In the event that the power cord is damaged, it MUST be replaced with a power cord from the product manufacturer. Cord replacement must be performed by an authorized technician.

---

**WARNING! For Your Safety**

- DO NOT store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- Avoid fire hazard or electric shock. DO NOT use an extension cord or an adaptor plug. DO NOT remove any prong from the power cord.

**WARNING! Electrical Information**

- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Ensure the receptacle is accessible after the unit installation.
- Do not run air conditioner without side protective cover in place. This could result in mechanical damage within the air conditioner.
- Do not use an extension cord or an adaptor plug.

---

**NOTE:**

The shape may be different based on the specific model selected:

|--------------|----------|----------|----------|----------|----------|----------|
Operation of Current Device (Optional)

The power supply cord contains a current device that senses damage to the power cord. To test your power supply cord do the following:

1. Plug in the air conditioner.
2. The power supply cord will have TWO buttons on the plug head. Press the TEST button. The RESET button will click as it pops out.
3. Press the RESET button; again you will notice a click as the button engages.
4. The power supply cord is now supplying electricity to the unit.
   (On some products this is also indicated by a light on the plug head.)

NOTES:
- Do not use this device to turn the unit on or off.
- Always make sure the RESET button is pushed in for correct operation.
- The power supply must be replaced if it fails to reset when either the TEST button is pushed or it cannot be reset.
- If power supply cord is damaged, it cannot be repaired. Please call customer service to assist with replacement.
- When 265V units are installed, the power supply must be permanent wiring. Permanent wiring may be done through the accessory subbase. An exposed cord connection on 265V units is not permitted.

AIR CONDITIONER FEATURES

This unit has many features. The servicer must be familiar with these features in order to properly service the unit.

- **Compressor Restart Delay**
  This feature extends the overall life of the compressor by preventing the short-cycling of the air conditioner. When the compressor restarts, the unit is designed to have a delay of at least three minutes to have enough time to equalize the refrigerant pressures for optimal cycling.

- **Memory**
  The unit has memory. If power is lost, all of the control settings (mode, fan speed, on/off and configuration) are remembered. When power is restored, the unit will start back up in the mode (and configuration) it was in when power was lost.

- **Automatic Evaporator Freeze Protection**
  To keep the evaporator from freezing when the evaporator temperature is too low, the compressor is automatically turned off and indoor fan is turned on.

- **Automatic Quick Warm-up**
  *(For Heat Pump Models Only)*
  If the room temperature falls to 8ºF/4.5ºC below the set point temperature, the reverse cycle heat is shut off and the electric strip heat is turned on for one cycle until heating is satisfied.

- **LED Indicators and Buttons**
  The touch pad has buttons for MODE, FAN, POWER, SETPOINT UP and SETPOINT DOWN. It also has LEDs that correspond to the mode, fan speed, power and setpoint operation to indicate the unit’s status.

  LEDs for HIGH, MED, and LOW indicate the fan speed that is selected.

  LEDs for FAN, COOL and HEAT indicate what operating mode is active.

  The LED for POWER indicates the unit’s ON/OFF status.
  - If the unit is in ON mode, the LED will be green.
  - If the unit is OFF, the LED will be off.

  **Note:** HEAT mode is for models with Cooling & Heating functions only.

- **High Temperature Protection in Heating Operation**
  The compressor and/or electric heater will be switched off to prevent damage where high indoor air temperatures are present or if an error is detected by the indoor temperature sensor. See “HI” code on page 6.

- **Unit Configuration - ºF or ºC**
  The unit can display in either ºF or ºC.
CONTROL PANEL OPERATION

- **POWER**
  Press the POWER button to turn the unit on or off. When the unit is on, the power indicator light will be green. When the unit is off, the light will go out.

- **MODE**
  Push this button to cycle through the modes from COOL-HEAT-FAN-COOL. The indicator light beside the “MODE” option will illuminate, identifying the mode selected.

  COOL: The range of set temperatures is 62°F/17°C–86°F/30°C. Cooling begins automatically when the room temperature is above the set point, and stops when the room temperature is 4°F/2°C below the set point. The compressor will run a minimum of 5 minutes in COOL mode before stopping. The fan runs continuously in continuous mode.

  HEAT: The range of set temperatures is 62°F/17°C–86°F/30°C. For heat pump models, the unit can alternate to run between reverse cycle heat mode and electric heat mode according to the difference between the set temperature and room temperature.

  NOTE: The reverse cycle and electric heater cannot be run at the same time.

  FAN: Fan operation only; no heating/cooling.

- **UP/DOWN BUTTONS ( + / – )**
  Push the “+” or “–” button to increase or decrease the set temperature of the unit in cooling or heating mode. The temperature can be set by increments of 1°F (1°C). The temperature setting appears in the display.

  NOTE: Press and hold the “+” and “–” buttons together for 3 seconds to alternate between the °F and °C settings.

- **FAN (FAN SPEED)**
  Every time you push this button the fan speed cycles through the settings as follows: HIGH → MED → LOW → HIGH.

- **DISPLAY**
  Shows the set temperature in °F or °C. While in Fan only mode, it shows the room temperature.

  **Control Code (some models):**
  LC - Pads on the control panel are not available. The unit can only be set by using the wired controller.

  **Error Codes:**
  AS - Room temperature sensor error
  ES - Evaporator temperature sensor error
  CS - Condenser temperature sensor error
  OS - Outside temperature sensor error
  HS - Exhaust temperature sensor error

  NOTE: When error occurs, unplug the unit and plug it back in. If error repeats, call for service.

  **Other Codes:**
  LO - Room temperature is lower than 32°F/0°C
  HI - Room temperature is higher than 99°F/37°C

  **NOTE:** This air conditioner is designed to be operated under condition as follows:

<table>
<thead>
<tr>
<th>Cooling operation</th>
<th>Outdoor temp: 64-109°F/18-43°C (64-125°F/18-52°C for special tropical models)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indoor temp:</td>
<td></td>
</tr>
<tr>
<td>Heating operation</td>
<td>Outdoor temp: 23-76°F/5-24°C</td>
</tr>
<tr>
<td>Indoor temp:</td>
<td>32-80°F/0–27°C</td>
</tr>
</tbody>
</table>

  **NOTE:** Performance may be reduced outside of these operating temperatures.

  **Accessory**

  **NOTE:** When the unit displays LC, function of control panel is not available. The unit is controlled by wired thermostat only. You can install this Accessory on the control panel.

**NOTE:** All of the pictures in this manual are for explanatory purposes only. The actual shape/look of the air conditioner purchased may be slightly different, but the operations and functions are similar.
**DIP SWITCH CONFIGURATIONS**

- **REMOVING THE FRONT PANEL**
  - Dip switch controls are located behind the front panel through an opening below the control panel. To access, remove the front panel. See Fig. 2.
  - Dip switches are accessible without opening the control box. See Fig. 3.
  - Unit must be powered OFF to effectively change their status.

- **DIP SWITCH CONFIGURATIONS**
  - See Table 1 and Fig. 4 for Dip Switch configurations and functions of each dip switch position.

  ![Fig. 2](image)
  - Pull out at the bottom to release it from the tabs.
  - Then lift up.

  ![Fig. 3](image)
  - Dip Switches

  ![Fig. 4](image)

<table>
<thead>
<tr>
<th>No.</th>
<th>UP (ON)</th>
<th>DOWN (OFF)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>Electric Heat Only</td>
<td>Electric Heat and Pump Heat</td>
<td>For Heat Pump unit only</td>
</tr>
<tr>
<td>S2</td>
<td>Temperature Display in °C</td>
<td>Temperature Display in °F</td>
<td></td>
</tr>
<tr>
<td>S3</td>
<td>Enable Wall Thermostat</td>
<td>Enable Control Panel</td>
<td></td>
</tr>
<tr>
<td>S4*5</td>
<td>S4 UP (ON) &amp; S5 UP (ON) = 61°F–86°F (16°C–30°C); S4 UP (ON) &amp; S5 DOWN (OFF) = 65°F–78°F (18°C–26°C); S4 DOWN (OFF) &amp; S5 UP (ON) = 63°F–80°F (17°C–27°C); S4 DOWN (OFF) &amp; S5 DOWN (OFF) = 68°F–75°F (20°C–24°C)</td>
<td>Two configurations (S4*S5) combine to select set point range.</td>
<td></td>
</tr>
<tr>
<td>S6</td>
<td>Fan Continuous Run for Heating</td>
<td>Fan Cycle for Heating</td>
<td></td>
</tr>
<tr>
<td>S7</td>
<td>Fan Continuous Run for Cooling</td>
<td>Fan Cycle for Cooling</td>
<td></td>
</tr>
<tr>
<td>S9</td>
<td>Manufacturer’s wall thermostat</td>
<td>Approved universal wall thermostat</td>
<td>Consult with the sales agency or manufacturer for details.</td>
</tr>
</tbody>
</table>

**Table 1 – DIP SWITCH CONFIGURATIONS**

**NOTE:** On heating mode, the setting temperature cannot be higher than 84°F/29°C.

- **Electric Heat Only (for heat pump unit only)**
  This setting is typically used for emergency heating.

- **Enable Wall Thermostat**
  A wired wall thermostat can be connected to the unit. If one is connected, this dip switch must be moved to the Enable Wall Thermostat position before the wall thermostat will begin control.

- **Setpoint Temperature Limits**
  Provides a restricted range of temperature control.

- **Heat and Cool Fan CON/CYC Dip-switches**
  Allows the fan to operate in continuous or cycle mode while the unit is in heating and cooling mode.

  **CON (Continuous)**
  Allows the fan to run continuously, circulating air even when the temperature setting has been satisfied. This switch helps to maintain the room temperature closer to the thermostat setting.

  **CYC (Cycle)**
  This setting allows the fan to cycle on and off with the compressor or electric heater. The fan stops a short time after the temperature setting is satisfied.
IMPORTANT: Only trained, qualified personnel should access electrical panel on unit and install electrical accessories. Please contact your local electrical contractor, dealer, or distributor for assistance.

Thermostat Wire Routing
Thermostat wire is field supplied. Recommended wire gauge is 18 to 20 gauge solid thermostat wire.

NOTE: It is recommended that extra wires are run to unit in case any are damaged during installation. Thermostat wire should always be routed around or under, NEVER through, the wall sleeve. The wire should then be routed behind the front panel to the easily accessible terminal connector.

INSTALLATION OF UNIVERSAL WALL THERMOSTAT

NOTE: When installing a universal wall thermostat, refer to the specific instructions included with the thermostat chosen.

IMPORTANT NOTE: When installing a universal wall thermostat, the S9 dip switch must be in the OFF (DOWN) position.

Remove the two screws as shown below to access the terminals behind the cover panel.

<table>
<thead>
<tr>
<th>TERMINAL</th>
<th>DESIGNATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC(L)</td>
<td>Front desk control terminal L</td>
</tr>
<tr>
<td>FC(N)</td>
<td>Front desk control terminal N</td>
</tr>
<tr>
<td>LOW-FAN</td>
<td>Low fan speed</td>
</tr>
<tr>
<td>HI-FAN</td>
<td>High fan speed</td>
</tr>
<tr>
<td>4-WAY</td>
<td>4-way valve</td>
</tr>
<tr>
<td></td>
<td>(For heat pump system)</td>
</tr>
<tr>
<td>HEAT2</td>
<td>Electrical heater 2</td>
</tr>
<tr>
<td>HEAT1</td>
<td>Electrical heater 1</td>
</tr>
<tr>
<td>COMP</td>
<td>Compressor</td>
</tr>
<tr>
<td>24V(N)</td>
<td>24VAC terminal N</td>
</tr>
<tr>
<td>24V(L)</td>
<td>24VAC terminal L</td>
</tr>
</tbody>
</table>
CAUTION

UNIT DAMAGE HAZARD

- Failure to follow this caution may result in equipment damage or improper operation.
- Improper wiring may damage unit electronics. Common busing is not permitted. Damage or erratic operation may result.

NOTE:

- Use terminal 4-way for heat pump connection only.
- If the chosen thermostat has a compressor protection time delay function, it should be set for a delay of greater than three minutes.
- Wall thermostat must be heating changeover 4-way valve.
- For thermostats that have only one fan speed output (on or auto), the fan speed is determined by how the terminal connector is wired. If Low fan is desired, wire the G output from the thermostat to LOW-FAN on the unit’s terminal block. If High fan is desired, wire the G output from the thermostat to HI-FAN on the unit’s terminal block.
- The range of set temperature of the wall thermostat must be in accordance with the unit type: heat pump or no heat pump.
- If the wall thermostat has only one electrical heater output, connect the two terminals of HEAT 1 and HEAT 2; the unit can operate two electrical heaters (units with two electrical heaters only). Otherwise, operate one electrical heater.
- Please do not remove the control panel.

- FRONT DESK CONTROL
  The controller can handle a switch signal from FC(L) and FC(N) input, called front desk control. Input must be 24VAC. If the system doesn’t receive a 24VAC signal, it will turn the unit off; otherwise, the unit runs in normal control.

  The DIP switch can control the FRONT DESK CONTROL feature. If the DIP switch is on the DOWN position, the unit will be turned off; otherwise, the unit runs in normal control. See illustration below.
HOW TO INSTALL THE UNIT

CAUTION

- There are sharp edges and extreme care should be used to avoid serious cuts.
- The air conditioner is heavy. Always use 2 people when lifting or moving unit.

- For an existing wall sleeve, measure the sleeve’s dimensions.
- Installation of the air conditioner according to these instructions will assure the unit’s best performance. All wall sleeves used to mount the new air conditioner must be in good structural condition and have a rear grille that securely attaches to the sleeve or the flange of the sleeve to secure the new air conditioner.
- To avoid vibration and noise, make sure the unit is installed securely and firmly.
- When installing the sleeve, make certain there is nothing within 20” of the back that would interfere with heat radiation and exhaust air flow. (See Fig. 2.)

PREPARATION OF SLEEVE ASSEMBLY (optional)
- Refer to the installation instruction of sleeve assembly for details.

PREPARATION OF REAR GRILLE ASSEMBLY (optional)
- Refer to the installation instruction of rear grille assembly for details.

UNIT INSTALLATION
- Carefully remove shipping tape from the front panel. (See Fig. 3)
- Remove the front panel. (See Fig. 4)
- Remove the shipping screw from the vent door. (See Fig. 5)
UNIT INSTALLATION (CONTINUED)

- Rotate the vent control lever to either open or close the vent door. (See Fig. 6.)

![Fig. 6](image)

NOTE: When vent control lever set at CLOSED, only the air inside the room is circulated and filtered. When set at OPEN, some outdoor air will be drawn into room. This will reduce heating or cooling efficiency.

- Lift unit level and slide unit into wall sleeve until firmly against front of wall sleeve and secure with 4 screws and washers (supplied in the SLEEVE ASSEMBLY) through the unit flange holes. (See Fig. 7 and Fig. 8.)

![Fig. 7](image)

![Fig. 8](image)

- Reinstall front panel. (See Fig. 9.)

![Fig. 9](image)

Place tabs over top rail ①. Push Inward at bottom until panel snaps into place ②.

CAUTION

- Do not put obstacles around air-inlet or inside of air-outlet of the unit, such as a window curtain, etc.
- Always insert the filter securely; clean filter once every two weeks as required.
CARE AND CLEANING

- FRONT PANEL AND CASE
  - Turn unit off and disconnect power supply. To clean, use water and a mild detergent. **DO NOT** use bleach and abrasivers. Some commercial cleaners may damage the plastic parts.

- OUTDOOR COIL
  - Coil on outdoor side of unit should be checked regularly. Unit will need to be removed to inspect dirt build-up that will occur on the inside of the coil. If clogged with dirt and soot, coil should be professionally cleaned. Clean inside and outside of outdoor coils regularly.
  
  **NOTE:** Never use a high-pressure spray on coil.

- AIR FILTERS
  - **IMPORTANT:** TURN UNIT OFF BEFORE CLEANING.

  **CAUTION**

  **UNIT DAMAGE HAZARD**
  Failure to follow this caution may result in equipment damage or improper operation.

  **Do not** operate unit without filters in place. If a filter becomes torn or damaged, it should be replaced immediately.

  Operating without filters in place or with damaged filter will allow dirt and dust to reach indoor coil and reduce cooling, heating, airflow and efficiency of unit. Airflow restriction may cause damage to unit.

- The most important thing you can do to maintain unit efficiency is to clean the filters once every two weeks as required.
  
  Clogged filters reduce cooling, heating and airflow.

- **Keeping filters clean will:**
  - Decrease cost of operation.
  - Save energy.
  - Prevent clogged indoor coil.
  - Reduce risk of premature component failure.

- **To Clean Air Filters:**
  - Vacuum off heavy soil.
  - Run water through filter.
  - Dry thoroughly before replacing.

- VENT DOOR FILTER
  - **IMPORTANT:** TURN UNIT OFF BEFORE CLEANING.
  
  - If the vent door is open, access requires the removal of the unit from the wall sleeve. Clean the vent filter twice a year or as required.
  
  - Make sure to remove the shipping screw from the vent door. (See Fig. 5.)
  
  - Rotate the vent control lever to open the vent door. (See Fig. 6.)
  
  - Remove four screws from the vent door filter. (See Fig. 11.)
  
  - First, pull out the vent door steel wire from the hole of the vent door, then take off the vent door and filter. (See Fig. 11.)
  
  - Clean the filter. Dry thoroughly before replacing.

  - Replace the vent door and filter. Reinstall the four screws.

  - Reinsert the vent door steel wire into the hole of the vent door.
### TROUBLESHOOTING

**Before calling for service, please review the chart below.**

<table>
<thead>
<tr>
<th>POSSIBLE CAUSES</th>
<th>SOLUTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNIT DOES NOT START</strong></td>
<td>• Unit may have become unplugged.</td>
</tr>
<tr>
<td></td>
<td>• Check that plug is plugged securely in wall receptacle.</td>
</tr>
<tr>
<td></td>
<td>Note: Plug has a test/reset button on it. Make sure that the plug has not tripped.</td>
</tr>
<tr>
<td></td>
<td>• Fuse may have blown.</td>
</tr>
<tr>
<td></td>
<td>• Replace the fuse. See Note 1 (below).</td>
</tr>
<tr>
<td></td>
<td>• Circuit breaker may have been tripped.</td>
</tr>
<tr>
<td></td>
<td>• Reset circuit breaker. See Note 1 (below).</td>
</tr>
<tr>
<td></td>
<td>• Unit may be off.</td>
</tr>
<tr>
<td></td>
<td>• Turn unit on (bottom right button on keypad).</td>
</tr>
<tr>
<td></td>
<td>• Unit may be in a protection mode.</td>
</tr>
<tr>
<td><strong>UNIT NOT COOLING/HEATING ROOM</strong></td>
<td>• Unit air discharge section is blocked.</td>
</tr>
<tr>
<td></td>
<td>• Make sure curtains, blinds or furniture are not restricting or blocking unit airflow.</td>
</tr>
<tr>
<td></td>
<td>• Temperature setting is not high or low enough.</td>
</tr>
<tr>
<td></td>
<td>• Reset to a lower or higher temperature setting.</td>
</tr>
<tr>
<td></td>
<td>Note: Set point limits may not allow the unit to heat or cool the room to the</td>
</tr>
<tr>
<td></td>
<td>temperature desired. Check section on dipswitch settings.</td>
</tr>
<tr>
<td></td>
<td>• Unit air filters are dirty.</td>
</tr>
<tr>
<td></td>
<td>• Remove and clean filters</td>
</tr>
<tr>
<td></td>
<td>• Room is excessively hot or cold when unit is started.</td>
</tr>
<tr>
<td></td>
<td>• Allow sufficient amount of time for unit to heat or cool the room. Start heating or</td>
</tr>
<tr>
<td></td>
<td>cooling early before outdoor temperature, cooking heat or groups of people make room</td>
</tr>
<tr>
<td></td>
<td>uncomfortable.</td>
</tr>
<tr>
<td></td>
<td>• Vent door left open.</td>
</tr>
<tr>
<td></td>
<td>• Close vent door.</td>
</tr>
<tr>
<td></td>
<td>• Unit may be in a protection mode.</td>
</tr>
<tr>
<td></td>
<td>• Check dipswitch settings for desired comfort.</td>
</tr>
<tr>
<td></td>
<td>• Compressor is in time delay.</td>
</tr>
<tr>
<td></td>
<td>• Wait approximately 3 minutes for compressor to start.</td>
</tr>
<tr>
<td><strong>DISPLAY HAS STRANGE NUMBERS/CHARACTERS ON IT</strong></td>
<td>• Strange numbers/characters appear on the display.</td>
</tr>
<tr>
<td></td>
<td>• The unit may be in a protection mode.</td>
</tr>
<tr>
<td></td>
<td>• The unit may be set for °C (instead of °F).</td>
</tr>
<tr>
<td><strong>UNIT MAKING NOISES</strong></td>
<td>• The unit is making noises.</td>
</tr>
<tr>
<td></td>
<td>• Clicking, gurgling or whooshing noises are normal during operation of unit.</td>
</tr>
<tr>
<td><strong>WATER DRIPPING OUTSIDE</strong></td>
<td>• Water is dripping outside.</td>
</tr>
<tr>
<td></td>
<td>• If a drain kit has not been installed, condensation runoff during very hot and humid</td>
</tr>
<tr>
<td></td>
<td>weather is normal. Check section on dipswitch settings.</td>
</tr>
<tr>
<td></td>
<td>• If a drain kit has been installed and is connected to a drain system, check gaskets and</td>
</tr>
<tr>
<td></td>
<td>fittings around drain for leaks and plugs.</td>
</tr>
<tr>
<td><strong>WATER DRIPPING INSIDE</strong></td>
<td>• Wall sleeve is not installed level</td>
</tr>
<tr>
<td></td>
<td>• Wall sleeve must be installed level for proper drainage of condensation. Check that</td>
</tr>
<tr>
<td></td>
<td>installation is level and make any necessary adjustments.</td>
</tr>
<tr>
<td><strong>ICE OR FROST FORMS ON INDOOR COIL</strong></td>
<td>• Low outdoor temperature</td>
</tr>
<tr>
<td></td>
<td>• When outdoor temperature is approximately 55°F or below, frost may form on the indoor</td>
</tr>
<tr>
<td></td>
<td>coil when unit is in Cooling mode. Switch unit to FAN operation until ice or frost melts.</td>
</tr>
<tr>
<td></td>
<td>• Dirty filters</td>
</tr>
<tr>
<td></td>
<td>• Remove or clean filters</td>
</tr>
<tr>
<td><strong>COMPRESSOR PROTECTION</strong></td>
<td>• Compressor may have cycled, so compressor is in a restart protection.</td>
</tr>
<tr>
<td></td>
<td>• Random Compressor restart - Whenever the unit is plugged in or power has been restarted,</td>
</tr>
<tr>
<td></td>
<td>the compressor will restart after approximately 3 minutes.</td>
</tr>
<tr>
<td></td>
<td>• Compressor Protection - To prevent short cycling of the compressor, there is a random</td>
</tr>
<tr>
<td></td>
<td>startup delay of 3 minutes and a minimum compressor run time of 3 minutes.</td>
</tr>
<tr>
<td><strong>ELECTRIC HEATING FAILURE</strong></td>
<td>• The electric heating function is not working properly.</td>
</tr>
<tr>
<td></td>
<td>• The evaporator should be cleaned once every three months by a professional.</td>
</tr>
</tbody>
</table>

**NOTES:**
1. If circuit breaker is tripped or fuse is blown more than once, contact a qualified electrician.
2. If unit is installed where condensation drainage could drip in an undesirable location, an accessory drain kit should be installed and connected to a drain system.
Distributed by:
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Specification and performance data is subject to change without notice.