User’s Information Manual

NOTE: Read the entire instruction manual before starting the installation.

⚠️ WARNING

ELECTRICAL SHOCK, FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in dangerous operation, serious injury, death or property damage.

Improper servicing could result in dangerous operation, serious injury, death or property damage.

• Before servicing, disconnect all electrical power to the unit.
• When servicing controls, label all wires prior to disconnecting. Reconnect wires correctly.
• Verify proper operation after servicing.

NOTE TO INSTALLER:

This manual should be left with the equipment owner.

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SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause fire, electrical shock, or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes and wear safety glasses. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local and state building codes and Sheet Metal and Air Conditioning National Association (SMACNA) for special installation requirements.

Recognize safety information. This is the safety-alert symbol △. When you see this symbol on the unit or in instructions and manuals, be alert to the potential for personal injury. Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards, which will result in severe personal injury or death. WARNING signifies hazards, which could result in personal injury or death. CAUTION is used to identify unsafe practices, which may result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which will result in enhanced installation, reliability, or operation.

Should the gas supply fail to shut off or if overheating occurs, shut off the gas valve to the furnace (see Figs. 2 through 4) before shutting off the electrical supply.
Your rooftop heating/cooling unit is equipped with an automatic, direct spark ignitor and an induced-draft, combustion blower.

⚠️ WARNING

FIRE, EXPLOSION HAZARD
Failure to follow this warning could result in personal injury or death.

What to do if you smell gas:
- Leave the building.
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

⚠️ WARNING

PERSONAL INJURY HAZARD
Failure to follow this warning could result in personal injury, death and/or property damage.

Burners will light automatically. Do not attempt to light by hand.

⚠️ WARNING

ELECTRICAL SHOCK HAZARD
Failure to follow this warning could result in personal injury, death and/or property damage.

Before performing maintenance, be sure main power switch to unit is turned off and lockout tag is installed. There may be more than one power switch.

⚠️ WARNING

ELECTRICAL OPERATION HAZARD
Failure to follow this warning could result in personal injury, death and/or property damage.

Do not use this equipment if any part has been under water. A flood-damaged equipment is extremely dangerous. Attempts to use the equipment can result in fire or explosion. A qualified service agency should be contacted to inspect the equipment and to replace all gas controls, control system parts, electrical parts that have been wet or the equipment if deemed necessary.

⚠️ WARNING

IMPORTANCE FACTS

- DO: READ AND UNDERSTAND THIS MANUAL.
- DO: Have your equipment and vent system inspected annually by a qualified service technician.
- DO: Inspect your filter monthly and clean or replace when needed.
- DO: Provide adequate airflow to the equipment for efficient combustion and safe ventilation.
- DO Make sure:
  1. All flue and vent connections are clear and free of obstructions, are leak free, and not damaged.
  2. Duct connections are leak free and physically sound.
  3. The unit base support is free of cracks, gaps, etc.
  4. There are no signs of furnace deterioration.
  5. Burners are aligned correctly.
  6. Follow routine maintenance inspection.
- DO NOT: Keep combustible materials, gasoline, and other flammable liquids or vapors around your equipment.
- DO NOT: Cover your equipment in any manner.
- DO NOT: Store anything (including trash or debris) near your equipment.
- DO NOT: In any way block or restrict airflow around your equipment.
- DO NOT: Contaminate the air used for combustion of your equipment with any kind of chemical or fumes. This could also cause heat exchangers, metal vent systems or components to deteriorate.
DETERMINE TYPE OF UNIT CONTROL

The procedures used to light or shut off the unit depend on the type of unit control. This section will help determine the control type of the unit.

**Electro-Mechanical Control**

These units may be controlled directly by a thermostat, or indirectly by a third-party control that connects to the thermostat inputs. For direct thermostat control, use the Electro-Mechanical Control procedures in this book. For units with third-party controls connected to the thermostat inputs, refer to the third-party control instructions (not included) for procedures to ensure complete unit shut off.

**ComfortLINK Control**

These units have a factory-installed Carrier ComfortLINK control. A Scrolling Marquee display is located in the unit control box behind the control box access panel. These units may be controlled directly by a thermostat, directly by a space temperature sensor, or indirectly through other Carrier Comfort Network® (CCN) communication devices. To ensure complete unit shut off, use the ComfortLink Control procedures in this book.

TO LIGHT UNIT WITH ELECTRO-MECHANICAL CONTROL

⚠️ **WARNING**

**FIRE, EXPLOSION HAZARD**

Failure to follow this warning could result in personal injury, death and/or property damage.

1. Do not turn off the electrical power to unit without first turning off the gas supply.
2. Before attempting to start the gas heating section, familiarize yourself with all the procedures that must be followed.
3. Never attempt to manually light the burners on the unit with a match, lighter, or any other flame. If the electric sparking device fails to light the burners, refer to the shutdown procedures, then call your dealer as soon as possible.

**Step 1** — Set room thermostat/unit controller to the lowest temperature setting and set the SYSTEM switch to HEAT or AUTO position. See Fig. 1.

**Step 2** — Turn off the gas supply by closing the gas supply shut-off valve (external to RTU unit). See Fig. 2 and 3 (depending on the size of the unit) for locations.

**Step 3** — Turn off the electrical supply to the unit by switching the RTU main disconnect to OFF. Then, ensure personal safety by installing a lockout tag on the disconnect.

**Step 4** — Remove the gas component access panel. For location of the gas component access panel, see Fig. 6 and 7 (depending on the size of the unit).
Step 5 — Move the RTU gas valve on/off switch to the OFF position and wait 5 minutes.

Step 6 — Move the RTU gas valve on/off switch to the ON position.

Step 7 — Replace the gas component access panel.

Step 8 — Remove disconnect lockout tag and restore power to the unit by switching the RTU main disconnect to ON.

Step 9 — Turn on the gas supply by opening the gas supply shut-off valve.

Step 10 — To start unit, set room thermostat/unit controller heat setpoint to slightly above room temperature. The induced-draft combustion air fan will start. The RTU gas valve will open and main burners should ignite within 5 seconds. If the burners do not light, there is a 22-second delay. Burners will attempt to ignite within 5 seconds. Each time the burner fails to light, the 22-second time delay is repeated. If the burner does not light within 15 minutes, the unit will lockout the gas heat. To reset after a lockout, turn off the main electrical supply to the unit by switching the RTU main disconnect to OFF for a minimum of five seconds. Repeat Steps 1–10. If burners still do not light, call for service.

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**WARNING**

**FIRE, EXPLOSION HAZARD**

Failure to follow this warning could result in personal injury, death or property damage.

If the main burners fail to light, or the blower fails to come on, shut down gas heating section and call your dealer for service.
Step 11 — Set the room thermostat/unit controller heating setpoint to desired temperature setting.

**TO LIGHT UNIT WITH COMFORTLINK CONTROL**

⚠️ WARNING

**FIRE, EXPLOSION HAZARD**
Failure to follow this warning could result in personal injury, death and/or property damage.

1. Do not turn off the electrical power to unit without first turning off the gas supply.
2. Before attempting to start the gas heating section, familiarize yourself with all the procedures that must be followed.
3. Never attempt to manually light the burners on the unit with a match, lighter, or any other flame. If the electric sparking device fails to light the burners, refer to the shutdown procedures, then call your dealer as soon as possible.

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**Step 1** — Turn off the unit demand for cooling or heating by using the Scrolling Marquee (see Fig. 13), located in the unit’s control box. See Figs. 14 and 15 (depending on size of unit) for control box location.

   a. Remove the Control Box access panel from the unit and locate the Scrolling Marquee.
   b. Push the **ESCAPE** key until a blank display screen is shown.
   c. Push the **DOWN** arrow key until the SERVICE TEST LED is lit.
   d. Push the **ENTER** key. The display will show **TEST**.
   e. Push the **ENTER** key again. The NO/YES display will flash.
   f. Push the **UP** or **DOWN** key to toggle the display to **YES** and then push **ENTER**. The unit will be locked off from heat, cooling or any operation. The controls will still function and the display will still operate.

**NOTE:** A password may be required to change Service Test values depending on the previous settings configured in the unit. The default password is “1111.”

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**Step 2** — Turn off the gas supply by closing the gas supply shut-off valve (external to RTU unit). See Fig. 16 and 17 (depending on the size of the unit) for locations.

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Fig. 13 - ComfortLINK Controller

Fig. 14 - Access Panel Locations – 3 to 12.5 Ton Units

Fig. 15 - Access Panel Locations – 15 to 25 Ton Units

Fig. 16 - Gas Supply Shut-Off Valve Location
3 to 12.5 Ton Units (Thru the base gas supply shown.)
Step 3 — Turn off the electrical supply to the unit by switching the RTU main disconnect to OFF. Then, ensure personal safety by installing a lockout tag on the disconnect.

Step 4 — On 15 to 25 ton units, remove the Gas Component access panel. For location of the gas component access panel, see Fig. 20.

Step 5 — Move the RTU gas valve on/off switch to the OFF position and wait 5 minutes.

Step 6 — Move the RTU gas valve on/off switch to the ON position.

Step 7 — Replace the gas component access panel.

Step 8 — Remove disconnect lockout tag and restore power to the unit by switching the RTU main disconnect to ON.

NOTE: On 3 to 12.5 ton units the Gas Component and Control Box areas are accessed through the same panel (see Fig. 14).
**Step 9** — Open the gas supply shut-off valve located outside the unit.

![Fig. 25 - Gas Supply Shut Off Valve](C07337)

**Step 10** — Using the Scrolling Marquee, enable the unit to run using the following procedure:

a. Push the **ESCAPE** key until a blank display screen is shown.

b. Push the **DOWN** arrow key until the SERVICE TEST LED is lit.

c. Push the **ENTER** key. The display will show TEST.

d. Push the **ENTER** key again. The NO/YES display will flash.

e. Push the **UP** or **DOWN** key to toggle the display to NO and then push **ENTER**. The unit will return to normal operation and exit SERVICE TEST mode.

**Step 11** — To test the operation of the gas section, use the Scrolling Marquee test routine to energize the gas outputs and to turn on the gas.

**Step 12** — For normal operation, make sure that the set points are at the normal heat set points and the Scrolling Marquee is not in test mode.

**⚠️ WARNING**

**FIRE, EXPLOSION HAZARD**

Failure to follow this warning could result in personal injury, death or property damage.

If the main burners fail to light, or the blower fails to come on, shut down gas heating section and call your dealer for service.

**TO SHUT UNIT OFF UNIT WITH ELECTRO-MECHANICAL CONTROL**

**⚠️ WARNING**

**FIRE, EXPLOSION HAZARD**

Failure to follow this warning could result in personal injury, death and/or property damage.

1. Turn off gas supply by closing the gas line supply valve. Then, turn off the electrical power supply to the unit by switching the disconnect to off. Install lockout tag before servicing or performing maintenance.

2. Do not turn off the electrical power to unit without first turning off the gas supply.

Should overheating occur, or the gas supply fail to shut off, shut off the gas valve in the unit (by moving on/off switch to off) before shutting off the electrical supply.

**Step 1** — Set room thermostat/unit controller heat setpoint to the lowest temperature setting and set the SYSTEM switch to OFF.

![Fig. 26 - Thermostat/Unit Controller](C09296)

**Step 2** — Turn off gas supply by closing the gas supply shut-off valve (external to RTU unit). See Fig. 16 and 17 (depending on the size of the unit) for locations.

![Fig. 27 - Gas Supply Shut Off Valve](C07330)

**Step 3** — Turn off the electrical supply to the unit by switching the RTU main disconnect to off. Then, ensure personal safety by installing a lockout tag on the disconnect.

![Fig. 28 - RTU Main Disconnect - Electrical Supply](C07331)

**Step 4** — Remove the gas component access panel. See Fig. 16 and 17 (depending on the size of the unit) for locations.

![Fig. 29 - Gas Component Access Panel Removal](C08487)
Step 5 — Move the RTU gas valve on/off switch to the OFF position and wait 5 minutes.

Step 6 — Replace the gas component access panel.

Step 7 — If the unit is being shut down because of a malfunction, contact your dealer as soon as possible. DO NOT proceed to step 8.

Step 8 — If the unit is being shut down because the heating season has ended, remove the disconnect lockout tag and restore electrical power to the unit by switching the RTU main disconnect to ON and then set thermostat/unit controller to the COOL position to ensure operation of the cooling system during the cooling season.

Should overheating occur, or the gas supply fail to shut off, shut off the gas valve in the unit (by moving on/off switch to off) before shutting off the electrical supply.

Step 1 — Turn off the unit demand for cooling or heating by using the Scrolling Marquee (see Fig. 33), located in the unit’s control box. See Figs. 14 and 15 (depending on size of unit) for control box location.

a. Remove the Control Box access panel from the unit and locate the Scrolling Marquee.

b. Push the DOWN arrow key until the SERVICE TEST LED is lit.

c. Push the ENTER key. The display will show TEST.

d. Push the ENTER key again. The NO/YES display will flash.

e. Push the UP or DOWN key to toggle the display to YES and then push ENTER. The unit will be locked off from heat, cooling or any operation. The controls will still function and the display will still operate.

NOTE: A password may be required to change Service Test values depending on the previous settings configured in the unit. The default password is “1111.”

Step 2 — Turn off gas supply by closing the gas supply shut-off valve (external to RTU unit). See Fig. 3 for location.
**Step 3** — Turn off the electrical supply to the unit by switching the RTU main disconnect to off. Then, ensure personal safety by installing a lockout tag on the disconnect.

**Step 4** — Remove the gas component access panel. For location of the gas component access panel, see Fig. 7.

**Step 5** — Move the RTU gas valve on/off switch to the OFF position and wait 5 minutes.

**Step 6** — Replace the gas component access panel.

**Step 7** — If the unit is being shut down because of a malfunction, contact your dealer as soon as possible. DO NOT proceed to step 8.

**Step 8** — If the unit is being shut down because the heating season has ended, remove the disconnect lockout tag and restore electrical power to the unit and take control out of Service Test mode to ensure operation of the cooling system during the cooling season.

**Routine Maintenance & Care for the Equipment Owner**

While some maintenance can be performed by laymen, most should be performed by skilled, experienced personnel. Follow the recommended service maintenance schedule, and modify it as necessary for your application/environment. For instance, dusty areas may require more frequent filter changes.

After performing any maintenance or service on the unit, be sure all panels are securely fastened in place to prevent rain from entering unit cabinet and to prevent disruption of the correct unit airflow pattern.

**WARNING**

**FIRE AND EQUIPMENT DAMAGE HAZARD**

Failure to follow this warning could result in personal injury and damage to equipment.

Do not use this unit if any part has been under water. Immediately call a qualified service technician to inspect the unit and to replace any part of the control system and gas control that has been under water.

To ensure proper functioning of the unit, flow of combustion and ventilating air must not be obstructed from reaching the unit. Follow service and performance clearances as listed in the product data.

Consider the following information before maintaining or servicing equipment:

**Compressor**

All compressors are factory supplied with a normal charge of the correct type refrigeration-grade oil in them and should not require additional oil.
Indoor Air Filter(s)

⚠️ WARNING

FIRE AND EQUIPMENT DAMAGE HAZARD
Failure to follow this warning could result in personal injury and damage to equipment.

Never operate unit without filters in place. The accumulation of dirt, dust or lint on the internal parts of your unit can cause fire or a loss of efficiency. Damage to the blower motor and/or compressors could also result.

Indoor air filter(s) should be checked every 3 or 4 weeks (application dependant) and changed or cleaned when necessary. See Figs. 40 and 41 (depending on size of unit) for air filter access panel location. See Table 1 for replacement filter dimensions.

- Remove the screws securing the filter access panel.
- While holding filters, tilt upper filter rack.
- Remove filters by pulling up and out toward you from the track.
- Inspect filters. Clean or replace as necessary.
- Follow direction of airflow arrows as noted on filter frame when returning filters to rack.
- Reinstall air filter access panel.

If you have difficulty in locating your air filter or if you have questions concerning proper filter maintenance, contact your dealer for instructions. When replacing your unit filters, always use the same size and type of filter that was originally supplied by the installer.

<table>
<thead>
<tr>
<th>Size</th>
<th>Capacity</th>
<th>48HC/48LC</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>3 tons</td>
<td>16 x 25 (2)</td>
</tr>
<tr>
<td>05</td>
<td>4 tons</td>
<td>16 x 16 (4)</td>
</tr>
<tr>
<td>06</td>
<td>5 tons</td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>6 tons</td>
<td>16 x 20 (4)</td>
</tr>
<tr>
<td>08</td>
<td>7.5 tons</td>
<td></td>
</tr>
<tr>
<td>09</td>
<td>8.5 tons</td>
<td>20 x 20 (4)</td>
</tr>
<tr>
<td>12</td>
<td>10 tons</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>12.5 tons</td>
<td>18 x 24 (6)</td>
</tr>
<tr>
<td>17</td>
<td>15 tons</td>
<td>20 x 25 (6)</td>
</tr>
<tr>
<td>20</td>
<td>17.5 tons</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>20 tons</td>
<td>16 x 25 (9)</td>
</tr>
<tr>
<td>28</td>
<td>25 tons</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Filter sizes in Table 1 are in inches. Numbers in ( ) denote filter quantity.

Units with outdoor air capability have a cleanable filter for the outdoor air. This filter should be checked semi-annually and cleaned as necessary with steam or hot water and a mild detergent. Do not use throwaway filters in place of cleanable filters.

Condenser Fan

⚠️ WARNING

PERSONAL INJURY HAZARD
Failure to follow this warning could result in personal injury.

Do not poke sticks, screwdrivers, or other object into revolving fan blades.
Electrical Controls and Wiring

Ensure wires do not contact refrigerant tubing or sharp edges. Electrical controls are difficult to check without proper instrumentation. If inadequate cooling is suspected, contact your qualified local dealer for service.

Combustion Area and Vent System

The combustion area and vent system should be visually inspected before each heating season.

<table>
<thead>
<tr>
<th>✋ WARNING</th>
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</thead>
<tbody>
<tr>
<td><strong>FIRE HAZARD</strong></td>
</tr>
<tr>
<td>Failure to follow this warning could result in personal injury equipment damage.</td>
</tr>
<tr>
<td>If your unit makes any unusual or especially loud noises during heating, shut down the heating section and call your qualified service technician.</td>
</tr>
</tbody>
</table>

Proceed as follows to inspect the combustion area and power-venting system of your unit.

- Turn off gas supply to your unit.
- Turn off electrical power to your unit; install lockout tag.
- Remove gas component access panel.
- Using a flashlight, carefully inspect the burner areas for dirt, soot, or scale.

<table>
<thead>
<tr>
<th>✋ CAUTION</th>
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</thead>
<tbody>
<tr>
<td><strong>EQUIPMENT DAMAGE HAZARD</strong></td>
</tr>
<tr>
<td>Failure to follow this caution may result in damage to equipment.</td>
</tr>
<tr>
<td>If dirt, soot, rust or scale accumulations are found, call your service technician and do not operate your heating section.</td>
</tr>
</tbody>
</table>

- When you have completed your inspection, follow the start-up procedures in this manual to restore your unit to operation.

<table>
<thead>
<tr>
<th>✋ WARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PERSONAL INJURY HAZARD</strong></td>
</tr>
<tr>
<td>Failure to follow this warning could result in personal injury.</td>
</tr>
<tr>
<td>Components in heat section may be hot after unit has been started up. When observing flame, be careful not to get close to or touch heating components.</td>
</tr>
</tbody>
</table>

- Observe unit heating operation. Watch the burner flame to see if it is bright blue. If you observe a suspected malfunction or that the burner flame is not bright blue, shut down the unit and call your dealer.
- Replace gas component access panel.

Integrated Gas Controller (IGC)

The IGC board incorporates an LED that emits a flashing light to indicate an alarm code. If the furnace section will not operate and the LED is flashing a code (1 to 9 flashes in succession), contact your dealer and request service.

NOTE: Make note of the flash code before powering off the unit. The alarm codes clear after power cycle.

Unit Panels

After performing any maintenance or service on the unit, be sure all panels are securely fastened in place to prevent rain from entering unit cabinet and to prevent disruption of the correct unit airflow pattern.

**REGULAR DEALER MAINTENANCE**

Heat Exchanger

NOTE: To ensure dependable and efficient heating operation, the heat exchanger should be checked by a qualified maintenance person before each heating season, and cleaned when necessary.

<table>
<thead>
<tr>
<th>✋ CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EQUIPMENT DAMAGE HAZARD</strong></td>
</tr>
<tr>
<td>Failure to follow this caution may result in damage to equipment.</td>
</tr>
<tr>
<td>This checkout should not be attempted by anyone not having the required expertise and equipment to do the job properly.</td>
</tr>
</tbody>
</table>

Checking and/or cleaning the heat exchanger involves removing the gas controls assembly and the flue collector box cover. When finished, the gas controls must be reinstalled for proper operation. Also, the flue collector box cover must be replaced correctly, with “red” RTV, so that a proper seal is maintained. Contact your dealer for the required periodic maintenance. At the beginning of each cooling/heating season and as conditions require.

Fans and Belts, and Fan Motor

Check quarterly the condition of fan wheels and housings, belt tension and fan motor shaft bearings. No lubrication of condenser or evaporator fan bearings or motors is required or recommended.

Evaporator and Condenser Coils

Cleaning of the coils should be done by qualified service personnel. This procedure should be performed prior to cooling operation or more frequently should conditions require. Contact you dealer for the required annual maintenance.

Condensate Drain

The drain pan and condensate drain line should be checked and cleaned at the same time the cooling coils are checked by your dealer.
In addition to the type of routine maintenance you might be willing to perform, your unit should be inspected regularly by a properly trained and qualified service technician. An inspection (preferably each heating/cooling season, but at least every year) should include the following:

- Inspection of all flue product passages, including the burners, heat exchanger, and flue collector box.
- Inspection of all combustion- and ventilation-air passages and openings.
- Close inspection of all gas pipes leading to and inside your unit.
- Inspection and if required, cleaning of the condenser and evaporator coils.
- Inspection, and if required, cleaning of the condensate drain pan.
- Inspection and cleaning of blower wheel housing and motor.
- Inspection of all supply- and return-air ducts for leaks, obstructions, and insulation integrity. Any problems found should be resolved at the time of inspection.
- Inspection of the unit base for cracks, gaps, etc., which may cause a hazardous condition.
- Inspection of the unit casing for signs of deterioration.
- Inspection of all electrical wiring and components to ensure proper connection.
- Inspection for leaks in the refrigerant circuit. Pressure check to determine appropriate refrigerant charge.
- Inspection of fan wheels and housings, belt tension, and fan motor shaft bearings.
- Operational check of the unit to determine working conditions. Repair or adjustment should be made at the time of inspection.

Your servicing dealer may offer an economical service contract that covers seasonal inspections. Ask for further details.

Complete service instructions can be found in the unit Installation, Start-Up and Service Instructions.

BEFORE YOU CALL FOR SERVICE, CHECK FOR PROBLEMS THAT CAN BE EASILY SOLVED

If insufficient heating or cooling is suspected:

( ) Check for sufficient airflow. Check the air filter for dirt.
( ) Check for blocked return- or supply-air grilles. Be sure they are open and unobstructed. If these checks do not reveal the cause, call your servicing dealer.

If your unit is not operating at all, check the following list for easy solutions:

( ) Check to be sure that your thermostat/unit controller temperature selector is set above the indoor temperature during the heating season, or below the indoor temperature during the cooling season. Be sure the SYSTEM switch is in the proper HEAT or COOL position and not in the OFF position.

( ) Is the electrical supply switch ON? Are any fuses blown, or has the circuit breaker tripped?

( ) During the heating season, check the external manual shutoff valve. Is this lever parallel with the pipe, indicating that the valve is open? Or is the lever at the right angle, indicating that the valve is closed? If closed, has the gas been shut off for safety reasons? Otherwise, you may open the valve and follow the start-up procedures listed in this manual.

NOTE: Before proceeding with the next check, turn OFF the electrical power supply to the unit. Remove the gas component access panel.

( ) During the heating season, check the control switch on the gas valve. Is it in the ON position? If it is not, be sure it has not been turned off for the purpose of safety. If no safety hazards are present, follow the start-up procedures in this manual.

( ) If your unit still fails to operate, call your servicing dealer for troubleshooting and repairs. Specify the model and serial numbers of your unit. (Record them in this manual in the space provided.) If the dealer knows exactly which unit you have, he may be able to offer suggestions over the phone, or save valuable time through knowledgeable preparation for the service call.

IN CASE OF TROUBLE

If, after performing the above checks, unit performance is unsatisfactory, shut off the unit and call your dealer.

Dealer’s Name ________________________________
Telephone No. ________________________________
Unit Model ________________________________
Unit Serial Number ________________________________