Precautions and preparations listed are for general knowledge and to define basic guidelines. Local codes and existing practices should be observed and performed by a professional.

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Operating and Maintenance Manual

FCHC
FCHU
Horizontal Concealed/Horizontal Ultra Thin Units
Fan Coil Unit (FCU)
Welcome

Congratulations on your selection of the ICE AIR Horizontal Fan Coil Unit (FCU). The FCU is a combination cooling and heating unit that provides a source for comfort conditioning of your living environment.

ICE AIR Horizontal FCUs are built to a high standard of quality and reliability, employing commercial grade components and heavy duty, galvanized sheet metal casings. With proper maintenance and usage, ICE AIR FCUs should provide many years of efficient, quiet and trouble-free comfort.

To enhance the use of your ICE AIR equipment, you will want to read and carefully follow all of the instructions contained in this Operating and Maintenance Manual. We recommend that you pay special attention to the Safety and Warning Information section at the beginning of this Manual, and to the various safety advisories throughout this Manual.

Please retain this Manual for your future reference. We suggest that you retain it with other important documents and product manuals. The information contained within this Manual, unless noted herein, applies to all Horizontal FCU models. If your unit has optional features, they will be explained in a separate instruction sheet specific to that option.

On behalf of ICE AIR and our network of distributors and dealers, we are happy to welcome you to our base of satisfied customers!

We recommend that you record the following information about your ICE AIR product(s).

<table>
<thead>
<tr>
<th>Location</th>
<th>Model No.</th>
<th>Serial No.</th>
</tr>
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<tbody>
<tr>
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<td>Master Bedroom</td>
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<td>Other</td>
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Consumer Reference Information

For safe and optimal enjoyment of your ICE AIR unit, please read the following consumer safety and operating notes carefully before operating your equipment!

⚠️ RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.

⚠️ WARNING: ICE AIR will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.

⚠️ WARNING HIGH VOLTAGE: Disconnect all power before servicing or installing unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death.

Safety Guidelines

Read this entire manual before operating the unit.

⚠️ WARNING: This unit MUST be serviced only by professionally trained, qualified technicians. Do NOT attempt to maintain or service this unit on your own – severe injury and death can occur from electric shock, moving parts, and other hazards.

- Your ICE AIR unit must be properly installed and commissioned to operate correctly. Improper unit installation, adjustment or commissioning, and/or improper heating system installation and connection can lead to equipment malfunction and hazardous operating conditions, and may void your warranty. If you have any doubt about the proper installation of your ICE AIR unit, please contact your property manager at once to have a qualified technician inspect the equipment.

- Our ICE AIR units must each be wired on an individual, dedicated electrical circuit with the correct voltage and proper amperage (capacity) to match the unit nameplate requirements.

- Each unit's electrical circuit must have a proper overcurrent protection device, employing an approved circuit breaker or fuse of the proper rating under NEMA and local building codes.

⚠️ WARNING: Do NOT operate the unit with frayed, burnt or damaged electrical wires!

⚠️ WARNING: Do NOT operate the equipment when in doubt – have it inspected first!

IMPORTANT: It is not the intent of this maintenance manual to correct any installation deficiencies. If you have any doubt about the proper initial installation (or reinstallation after servicing) of your ICE AIR unit(s) – noisy or inefficient unit operation, frayed or damaged electrical connections, improper unit appearance, etc. – please contact a trained servicer or building maintenance staff immediately.

The following physical conditions must be maintained for proper unit operation:

Air flow must be unobstructed into and out of the unit room enclosure (cabinet). Therefore:

- Do not place any object directly in front of the discharge grille (at the cabinet top).
- Do not place plants, fabrics or objects in front of the air return access door.
- Have the unit filter properly cleaned and serviced to prevent air blockage from dirt and dust within the filter media.

Intended for indoor use only.

Proper installation and operating environment must be maintained. Therefore:

- Do not operate the unit in corrosive environments such as chemical plants, refineries or salt spray areas.
- Operate only with proper electrical service and protective circuit breakers or fuses in place.
- Operate only with all unit and enclosure sheet metal parts in place and properly installed.
- In areas of high concentrations of dirt, dust, pet dander or pollutants, clean the filter often (at least monthly).
- Do not clean the unit with any solvents or cleaning solutions that may damage the equipment.
- Understand and follow the unit operating instructions before using your ICE AIR equipment.

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## Nomenclature

### Model Selection

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</tbody>
</table>

### Item 1

**Voltage**

- 5: 115V - 1Ph - 60Hz  
- 8: 208V - 1Ph - 60Hz  
- 7: 277V - 1Ph - 60Hz

### Item 2

**Unit**

- FCHC

### Item 3

**CFM**

- 02: 200  
- 03: 300  
- 04: 400  
- 06: 600  
- 08: 800  
- 10: 1000  
- 12: 1200

### Item 4

**Motors**

- P: PSC  
- S: PSC Hi Static  
- E: ECM

### Item 5

**Piping**

- A: RH 2 Pipe Heat and Cool MCO  
- B: RH 2 Pipe Heat and Cool w/Aux Electric Heat MCO  
- C: RH 2 Pipe Heat and Cool w/Aux Electric Heat ACO  
- D: RH 2 Pipe Cool w/Total Elec Heat MCO  
- E: RH 2 Pipe Cool w/Total Elec Heat ACO  
- F: RH 2 Pipe Heat Only  
- G: LH 2 Pipe Heat and Cool MCO  
- H: LH 2 Pipe Heat and Cool w/Aux Electric Heat MCO  
- I: LH 2 Pipe Heat and Cool w/Aux Electric Heat ACO  
- J: LH 2 Pipe Cool w/Total Elec Heat MCO  
- K: LH 2 Pipe Cool w/Total Elec Heat ACO  
- L: LH 2 Pipe Heat Only  
- M: RH 4 Pipe Heat and Cool MCO  
- N: RH 4 Pipe Heat and Cool ACO  
- O: LH 4 Pipe Heat and Cool MCO  
- P: LH 4 Pipe Heat and Cool ACO

### Item 6

**Enclosure**

- X: Not applicable

### Item 7

**Plenums**

- B: Bottom Return  
- R: Rear Return  
- F: Front Return  
- X: No Plenum

### Item 8

**Controls**

1. Unit Mounted Fan Mode Switch  
2. Wall Mounted Fan Mode Switch  
3. Unit Mounted Fan Mode Switch and Manual (Knob) Thermostat  
4. Touchpad non programmable thermostat  
5. LCD Non programmable thermostat  
6. LCD programmable thermostat  
7. Wired for ELA11599 Non Programmable Thermostat  
8. Wired for ELA11599 Programmable Thermostat  
9. 24V Terminal for external controls by others

### Item 9

**Coil Rows**

- 2: 2  
- 3: 3  
- 4: 4

### Item 10

**Coil Orientation**

- A: Dedicated Cool or Heat

### Item 11

**Drain Pan**

- G: Galvanized Powder Coated (Black)  
- S: Stainless Steel

### Item 12

**Disconnect Switch**

- F: Fused  
- N: Non Fused  
- X: None

---

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Valve Package Nomenclature

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<td>03</td>
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<td>04</td>
<td>Line Voltage 3 Way MV* Normally Closed Diverting</td>
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### Nomenclature

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<td>3</td>
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<td>1 - Heat</td>
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<td>S: Stainless Steel</td>
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<td>F: Fused</td>
<td>N: Non Fused</td>
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### Valve Package Nomenclature

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<th>Model Selection</th>
<th>Item Number</th>
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<th>Valve Package Parts</th>
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</table>

#### Item 13 22 Motorized Valve Package
- 22: Line Voltage 2 Way Motorized Valve Heat NO, Cool NO
- 23: Line Voltage 2 Way Motorized Valve Heat NC, Cool NO
- 24: Line Voltage 2 Way Motorized Valve Heat NO, Cool NC
- 25: Line Voltage 2 Way Motorized Valve Heat NC, Cool NC
- 26: Line Voltage 3 Way Motorized Valve #1 NO Diverting, #2 NO Diverting
- 27: Line Voltage 3 Way Motorized Valve #1 NC Diverting, #2 NO Diverting
- 28: Line Voltage 3 Way Motorized Valve #1 NC Diverting, #2 NC Diverting
- 29: 24V 2 Way Motorized Valve Heat NO, Cool NO
- 30: 24V 2 Way Motorized Valve Heat NC, Cool NO
- 31: 24V 2 Way Motorized Valve Heat NO, Cool NC
- 32: 24V 2 Way Motorized Valve Heat NC, Cool NC
- 33: 24V 3 Way Motorized Valve #1 NO Diverting, #2 NO Diverting
- 34: 24V 3 Way Motorized Valve #1 NC Diverting, #2 NO Diverting
- 35: 24V 3 Way Motorized Valve #1 NC Diverting, #2 NC Diverting
- 21: Wired for 24V Motorized Valve control - MV by others

#### Item 14 A Electric Heat
- A-1: 1 B-1.5 C-2 D-3 E-3.5 F-4.3 G-5 H-6 I-7.5 J-10 X-None

#### Item 15 G Secondary Drain Pan
- G: Galvanized Powder Coated (Antique White)
- S: Stainless Steel
- X: None

#### Item 16 A Flow Regulation Cooling Coil
- A: Balancing Valve
- D: Autoflow Valve 1.0 GPM
- G: Autoflow Valve 2.0 GPM
- J: Autoflow Valve 3.0 GPM
- M: Autoflow Valve 4.0 GPM
- P: Autoflow Valve 5.5 GPM
- S: Autoflow Valve 7.0 GPM
- V: Autoflow Valve 8.5 GPM
- B: Circuit Setter
- E: Autoflow Valve 1.3 GPM
- H: Autoflow Valve 2.5 GPM
- K: Autoflow Valve 3.3 GPM
- N: Autoflow Valve 4.5 GPM
- Q: Autoflow Valve 6.0 GPM
- T: Autoflow Valve 7.5 GPM
- W: Autoflow Valve 9.0 GPM
- C: Autoflow Valve 0.5 GPM
- F: Autoflow Valve 1.5 GPM
- I: Autoflow Valve 2.8 GPM
- L: Autoflow Valve 3.5 GPM
- O: Autoflow Valve 5.0 GPM
- R: Autoflow Valve 6.5 GPM
- U: Autoflow Valve 8.0 GPM
- X: None

#### Item 17 A Flow Regulation Heating Coil
- A: Balancing Valve
- D: Autoflow Valve 1.0 GPM
- G: Autoflow Valve 2.0 GPM
- J: Autoflow Valve 3.0 GPM
- M: Autoflow Valve 4.0 GPM
- P: Autoflow Valve 5.5 GPM
- S: Autoflow Valve 7.0 GPM
- V: Autoflow Valve 8.5 GPM
- B: Circuit Setter
- E: Autoflow Valve 1.3 GPM
- H: Autoflow Valve 2.5 GPM
- K: Autoflow Valve 3.3 GPM
- N: Autoflow Valve 4.5 GPM
- Q: Autoflow Valve 6.0 GPM
- T: Autoflow Valve 7.5 GPM
- W: Autoflow Valve 9.0 GPM
- C: Autoflow Valve 0.5 GPM
- F: Autoflow Valve 1.5 GPM
- I: Autoflow Valve 2.8 GPM
- L: Autoflow Valve 3.5 GPM
- O: Autoflow Valve 5.0 GPM
- R: Autoflow Valve 6.5 GPM
- U: Autoflow Valve 8.0 GPM
- X: None

#### Item 18 1 Y-Strainer
- 1: Y-Strainer
- 2: Y-Strainer Blow Down
- X: None

#### Item 19 P Purge Valve
- P: Yes
- X: No

#### Item 20 P PT Ports
- P: Yes
- X: No

#### Item 21 M Air Vents
- M: Manual
- A: Automatic
- X: None

#### Item 22 F Condensate Overflow Switch
- F: Float
- E: Electronic
- X: None

#### Item 23 S Pipe Connections
- S: Sweat
- M: Male NPT
- F: Female NPT
- U: Unions

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Controls
All standard ICE AIR units are equipped with digital control options.

If your unit has optional wall mounted or remote controls, see the separate operating instructions supplied with those controls.

Thermostat Location
The ICE AIR horizontal units do not come with a standard thermostat selection. There are two options that are specific for each job; Wired Thermostat and Wireless Thermostat. The Wired Thermostat is wall mounted and connects to the unit through concealed connections. The Wireless Thermostat should be no more than 5-10 feet from the unit for optimal connection.

The ICE AIR unit is compatible with certain third-party thermostats. For ideal location information, please contact your local sales representative.

7-Day Programmable

- 5/2 or 7-day programs for highest efficiency
- Factory or field-set temperature limits
- Large clear display – in any lighting condition
- Auto changeover mode
- Easy to program

Wireless Thermostat (Optional)

- Easy programming
- Settings for morning, day, evening and night
- Clear backlit display readable in any lighting condition
- Auto changeover mode
- Optional remote temperature sensor

Nest “Learning Thermostat” (Optional)

- Programmable to save energy
- Remembers temperatures and time/day to create customized schedule
- Easy to install and program – self-learning technology
- Sleek, ultra-modern, efficient design
- Integrates with mobile devices/smart phones (Nest Mobile app)
- Clear backlit display readable in any lighting condition
- Auto changeover mode
- Optional remote temperature sensor
**Feature List**

- Operates on 2-stage Heat and 2-stage Cool
- 7 programs (Mo, Tu, We, Th, Fr, Sa, Su) or 5-2 programs (Mo-Fr, Sa-Su)
- 4 Separate Time and Temperature Settings for each program
- Heat and Cool set points for each program
- EPROM stores Heat and Cool program settings
- Temporary Program Override
- Permanent Program Override
- Compressor Short Cycle Protection
- LCD Backlighting
- Low Temperature Protection
- Lockout Safety feature

**Operating Specifications**

- Temperature Measurement: 0°C ~ 40°C/32°F ~ 99°F
- Accuracy: ±0.5°C/1°F
- Voltage: 18-30VAC
- Temperature Controllable Range: 5°C~35°C/55°F ~ 95°F
- Resolution: 0.5°C/1°F
- Operating Temperature: 0 – 50°C/32 – 122°F
- Storage Temperature: 5 – 50°C/41 – 122°F

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**User Interface**

<table>
<thead>
<tr>
<th>Button</th>
<th>Press</th>
<th>Hold</th>
</tr>
</thead>
<tbody>
<tr>
<td>▲</td>
<td>UP/Override mode</td>
<td>UP/Permanent Override mode</td>
</tr>
<tr>
<td>▼</td>
<td>DOWN/Override mode</td>
<td>DOWN/Permanent Override mode</td>
</tr>
<tr>
<td>ON/OFF</td>
<td>ON/OFF</td>
<td>--------</td>
</tr>
<tr>
<td>MODE</td>
<td>Set operation mode</td>
<td>Internal Setting</td>
</tr>
<tr>
<td>FAN</td>
<td>Set fan speed/Confirm</td>
<td>--------</td>
</tr>
</tbody>
</table>

**Operation**

**Normal Mode:**
1. Press ON/OFF to turn on thermostat.
2. Press MODE to change the system mode.
3. There are three operation modes: Cool mode, Heat mode, Auto mode.

**Cool Mode**
1. To activate Cool mode, press the MODE button until COOL displays.
2. Press UP/DOWN arrow buttons to your desired temperature.
3. Compressor will cycle when temperature reaches the set point. After compressor stops, allow at least 3 minutes before restarting (this applies only if you have manually turned the unit off or reset the thermostat – during normal running conditions, the unit will automatically allow for the required restart delay).

**Heat Mode**
1. To activate Heat mode, press the MODE button until HEAT displays.
2. Press UP/DOWN arrow buttons to your desired temperature.
3. The unit will cycle until the set temperature is achieved and then will continuously cycle to maintain the set temperature.

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The temperature reading that is on constant display is the ambient room temperature.

The Cool limit setting is 55°F to 95°F.
The Heat limit setting is 51°F to 91°F.
Auto Mode
1. To activate Auto mode, press the MODE button until AUTO displays.
2. Press UP/DOWN arrow buttons to set desired Heat temperature.
4. Press UP/DOWN arrow buttons to set desired Cool temperature.
5. The unit will automatically cycle between Heat and Cool modes if unit exceeds desired set points. The temperature reading that is on constant display is the ambient room temperature.

Internal Setting
Enter internal setting mode by pressing and holding MODE button for 5 seconds.

Time Setting
Set Clock/Day is flashing
1. Press MODE button to select Edit Clock/Day.
2. Use UP/DOWN buttons to adjust hours (12 hr).
3. Press MODE to select minutes.
4. Use UP/DOWN buttons to adjust minutes.
5. Press MODE to select days.
6. Use UP/DOWN buttons to adjust days. Press FAN when complete.

Daily Programming
Press ON/OFF to select Schedule (Schedule is flashing)
1. Press MODE button to select EDIT SET SCHEDULE.
2. Use UP/DOWN to set desired Heat temperature.
4. Press UP/DOWN to set desired Cool temperature.
5. The unit will automatically cycle between Heat and Cool modes if unit exceeds desired set points. The temperature reading that is on constant display is the ambient room temperature.

Changing Program Schedule and Temperature Limits
Press ON/OFF twice to select Settings (Settings is flashing)
1. Press MODE button to select “Settings.”
2. Use UP/DOWN to select 7 Day or 5-2 Day.
3. Press MODE to edit Heat temperature limit.
4. Use UP/DOWN to set temperature. Default internal setting: Heat limit 90°F
5. Press MODE to edit Cool temperature limit.
6. Use UP/DOWN to set temperature. Default internal setting: Cool limit 60°F
7. Press FAN when complete. The Cool limit setting should be at least 4°F higher than the Heat limit setting.

Exit Internal Setting and Return to Normal Mode
1. Press FAN to return to normal mode.
2. If no button is pressed for 15 seconds, it will return to normal mode automatically.

Temporary Program Override
1. When thermostat is ON, the program set point can be temporarily overrode by pressing UP or DOWN. OVERRIDE icon will turn on. Press UP or DOWN to select the set point.
2. In Heat mode, Heat set point can be adjusted.
3. In Cool mode, Cool set point can be adjusted.
4. In Auto mode, Heat set point will be set first and press UP or DOWN to set the Heat set point. Press FAN to confirm the Heat set point. Cool set point will be set second and press UP or DOWN to set the Cool set point. Press FAN to confirm the Cool set point.
5. Temporary Override will be canceled if user changes the operation mode or the unit enters the next program time session.
Permanent Override

1. Holding UP and DOWN button for two seconds to enter Permanent Override mode. Permanent Override icon will turn on.
2. In Heat mode, Heat set point can be adjusted.
3. In Cool mode, Cool set point can be adjusted.
4. In Auto mode, Heat set point will be set first and press UP or DOWN to set the Heat set point. Press FAN to confirm the Heat set point. Cool set point will be set second and press UP or DOWN to set the Cool set point.
5. Permanent Override will be canceled if user changes the operation mode or turns off the unit.
6. Hold FAN button five seconds to cancel the Permanent Override mode.

Sequence of Operations – Fan Coil

Manual Heat/Off/Cool System Switch: A System Heat/Off/Cool Switch, located on the thermostat’s cover, shall allow the operator to manually select the Heating or Cooling mode of operation or to disable the fan and control valve in the “Off” position. The fan shall run continuously with the system switch in the Heat or Cool mode (On) and shall stop when the system switch is placed in the “Off” position.

Auto Seasonal Changeover (ASC): A Auto Seasonal Changeover switch mounted on the inlet piping to the fan coil, shall sense the temperature of the water to determine whether the valve should be open or closed.

If the switch is in Cooling mode and inlet water temperature is below 85°F, the Auto Seasonal Changeover switch shall open the valve and allow cool water to circulate through the system else the valve remains shut to prevent hot water from flowing through and heating the space in cooling mode.

If the switch is in Heating mode and inlet water temperature is above 85°F, the Auto Seasonal Changeover switch shall open the valve and allow hot water to circulate through the system else the valve remains shut to prevent cold water from flowing through and cooling the space in heating mode.

Cooling Mode: With the ASC switch in the Summer (Cooling) position, the Heat/Cool thermostat shall cycle the water control valve, via the thermostat’s cooling signal, to maintain the desired space temperature in reference to the thermostat’s set point.

Heating Mode: With the ASC switch in the Winter (Heating) position, the Heat/Cool thermostat shall cycle the water control valve, via the thermostat’s heating signal, to maintain the desired space temperature in reference to the thermostat’s set point.

Variable Fan-Speed:

Heating Only Mode
- High speed fan will run when room temperature is less than 4° below set temperature
- Low speed fan will run when the room temperature is less than or equal to 2° below the set temperature
- Fan speeds throttle from High speed to Low speed when transitioning from a difference of 4°F to 2° of the set temperature
- The fan will shut off when the room temperature meets the set temperature.

Cooling Only Mode
- High speed fan will run when room temperature is higher than 4°F below set temperature
- Low speed fan and the compressor will run when the room temperature is higher than or equal to 2°F of the set temperature
- The fan will shut off when the room temperature meets the set temperature.

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Maintenance

Your ICE AIR unit is designed to provide many years of efficient, trouble-free comfort conditioning service. To ensure equipment longevity and efficiency, please make sure that the following simple maintenance procedures are followed. This manual assumes that your unit has been installed by a qualified installation professional, and is operating properly prior to maintenance service.

Have your unit periodically inspected by a properly trained service professional or building maintenance staff person. The unit should be checked for the safe and proper functioning of all of its systems at least once a year. The following recommended maintenance procedures should be carried out only by trained personnel with strict adherence to the Safety Guidelines outlined at the beginning of this manual. These procedures MUST be followed to ensure your safety and the safety of the person maintaining the equipment!

Component Cleaning

▲ IMPORTANT: Power to the unit must be turned off at the electrical breaker before carrying out any of the following cleaning!

To access the components within the chassis of the unit:
1. Unit must be in OFF Position.
2. Disconnect unit from power source.
3. Access to internal components may vary based on installed conditions.

NOTE: Pictures of components and parts may vary depending on your model.

Indoor Air Filter (if applicable)

Only configurations with a plenum on the return vent for the ICE AIR unit are delivered with a dispensable filter. Filters are placed on the bottom slot and pressed forward into place (installed filter shown above).

Dispensable Filters (shown above) should be replaced twice every year, before the start of every heating or cooling season. Please contact your local sales representative for replacements.

Evaporator Motor and Blower Assembly

If there is evidence of dirt or dust build-up in the evaporator motor or blowers, they should be cleaned either by vacuum cleaning (if working in an apartment) or by removing the unit to a workshop location and cleaning with compressed air.

▲ WARNING: Always obey safety guidelines for using compressed air in this latter case.

Your ICE AIR unit has permanently lubricated motor bearings that do not require additional lubrication. Blowers and motors are factory assembled for quiet performance – if there is any excessive noise and vibration from this assembly, it should be serviced by a qualified technician.

IMPORTANT: Do not operate unit without filters.
General Unit Inspection
Visually inspect unit at least once a month. Pay special attention to hose assemblies and connections. Repair any leaks and replace deteriorated hose immediately to avoid potential costly damage to your property due to component failure.

With these simple maintenance procedures carried out on a proper maintenance schedule, your unit should provide many years of trouble-free service. The procedures should be implemented by trained personnel. But, there are certain items that you, the apartment owner or tenant, can do to ensure proper unit function:

- Keep the area around your unit clear of objects that may block air flow into the unit.
- Keep objects that may block air flow out of the unit clear of the air discharge area — any blockage of discharge air will have a negative impact on the unit and on its ability to properly condition the room.

Electrical Connections
The unit Serial Number name plate has the required supply voltage, fan amps and required circuit amps (optional electrical heat amps).

The wiring diagram shows all field wiring. Please review wiring diagram (see Installation Manual) before beginning any wiring.

The unit electrical supply is designed to enter through the junction box.

All field wiring should be done in accordance with all local codes and ordinances.
Troubleshooting

IMPORTANT: It is not the intent of this maintenance manual to resolve any problems with the operation of your ICE AIR unit. Please contact a trained servicer or building maintenance staff immediately if your unit fails to perform properly.

1. Contact a trained service technician to conduct full unit diagnostics and repair to equipment.
2. Record any unit that does not operate noting the unit serial number on your report.

If unit is not operating, conduct the following checks:
1. Check the electrical connections.
2. Check the voltage and current against the electrical specifications on the unit nameplate.
3. Look for wiring errors. Check for loose screw connections in both line and low voltage terminals.
4. Check the water supply piping for proper water connection.
5. Check for dirty filters.
6. Check indoor fan for proper operation.
7. Check that unit did not cycle off due to improper thermostat settings.
8. Check for fault codes on the control board – consult the Board Troubleshooting Table.

⚠️ RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION.

⚠️ WARNING: ICE AIR will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.

⚠️ WARNING HIGH VOLTAGE: Disconnect all power before servicing or installing unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death.
Limited Warranty

Twelve (12) Month Warranty of ICE AIR units — ICE AIR, LLC, herein referred to as “ICE AIR,” warrants to the original owner that the entire unit is free from defects in material and workmanship for a period of twelve (12) months from the date of delivery. Any part of portion thereof which becomes defective under normal use during the period of this warranty will be repaired or replaced provided ICE AIR’s examination shall prove to its satisfaction that the part was or became defective under normal use. ICE AIR’s obligations under this warranty are limited to: (a) Repairing the defective part or (b) furnishing a replacement part provided the defective part is returned to the factory, without shipping damage, transporting charges prepaid. No reimbursement will be made for expenses incurred in making field adjustments or replacements unless specifically authorized in writing by the Company.

The Company is not obligated under this warranty for field labor such as service for inspection, removing, packing and/or reinstalling water source unit, nor for the return transportation charges.

OPTIONAL Extended Refrigeration Circuit Warranty

The Optional Extended Refrigeration Circuit Warranty MUST be purchased from ICE AIR within thirty (30) days from date of delivery to be valid. The hermetically sealed refrigeration circuit (consisting of the motor, compressor assembly, evaporator coil, coaxial/condenser coil and interconnecting tubing) is warranted to the original owner for four additional years from date of the expiration of the Twelve Month Warranty. Components under this warranty will be supplied at ICE AIR’s expense provided the failed component is returned to the factory. This optional warranty does not include any other parts of the equipment such as fans, fan motors, controls, cabinet parts, electrical relays, capacitors, protective devices, or wiring. ICE AIR is not obligated under this warranty for field labor such as service for inspection, removing, packing, and/or reinstalling the refrigeration circuit, nor for return transportation charges. ICE AIR reserves the right to make a handling and inspection charge in the case of parts or equipment improperly returned as defective and/or as being in warranty.

Important

The following are the responsibility of the user. They are not manufacturing defects, and are therefore not included in the warranty plan.

1) Failure of unit to operate satisfactorily due to improper amount of air on evaporator coil or air supply to air cooled condensers.

2) Damage to unit or unsatisfactorily operation due to improper cleaning of evaporator coil or use of unit in corrosive atmosphere locations such as chemical plants, refineries, or salt spray areas.

3) Damage to unit from unsatisfactory operation due to blown fuses, inadequate or interrupted electrical service, use of improper electrical protective devices or operation of unit on power supply other than covered by nameplate rating of unit.

4) Damage due to failure to properly maintain unit.

5) Damage due to transportation or handling prior to and during installation.

6) Damage due to accident or from alteration, improper installation, tampering.

7) Filter cleaning or replacement.

8) Misapplication.

Check, Test and Start

Check, Test and Start of the air conditioners by an experienced person is the responsibility of the installing contractor. This consists of physically confronting each unit operating in both heating and cooling modes and correcting any minor deficiencies noted. After the equipment leaves the factory, it may become damaged or maladjusted during transportation or on the job. Sometimes wires are disconnected accidentally, or fan motors move on their bases due to rough handling, causing fans to strike; a component(s) may be inoperable. The correction of such conditions is part of the Check, Test and Start. Note that unless otherwise specifically agreed to in writing, ICE AIR includes no field labor, Check, Test, and Start (or the like) in the price of its equipment.

Installation

ICE AIR is not responsible for the design, execution and performance of the installation method or any of the accessory items used during installation such as seals, caulking, weatherproofing, supporting structures, attachment means, louvers and frames supplied by others.

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