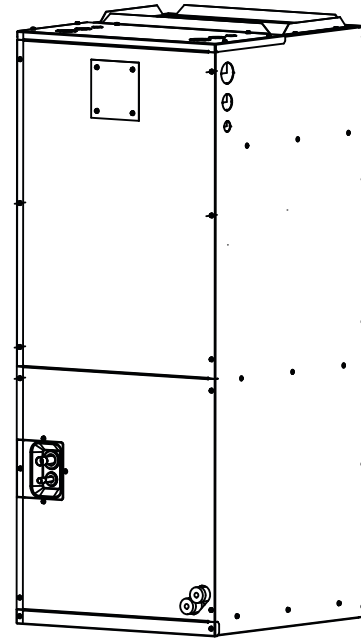


Owner's Manual

TABLE OF CONTENTS

	PAGE
A NOTE ABOUT SAFETY	2
GENERAL	2
ACCESSORIES	3
REMOTE CONTROLLER	4
REMOTE CONTROL FUNCTIONS	7
PRESSING ON/OFF	7
SELECTING AN OPERATING MODE	7
SETTING THE ROOM TEMPERATURE SET POINT	7
SELECTING THE FAN SPEED	7
TIMER FUNCTION	7
SLEEP MODE	8
TURBO MODE	8
SELF CLEAN MODE	8
FOLLOW ME MODE	8
FREEZE PROTECTION MODE	8
SILENCE MODE	8
LED LIGHT	8
RESETTING THE WIRELESS REMOTE CONTROL	8
TIME DELAY	8
HEATING FEATURES	8
AUTO DEFROST OPERATION	8
AUTO START	9
ENERGY SAVING RECOMMENDATIONS	9
CARE AND MAINTENANCE	9
TROUBLESHOOTING	11



NOTE TO EQUIPMENT OWNER:

Please read this Owner's Information Manual carefully before installing and using this appliance and keep this manual for future reference.

For your convenience, please record the model and serial numbers of your new equipment in the spaces provided. This information, along with the installation data and dealer contact information, will be helpful should your system require maintenance or service.

UNIT INFORMATION

Model # _____

Serial # _____

INSTALLATION INFORMATION

Date Installed _____

DEALERSHIP CONTACT INFORMATION


Company Name: _____

Address: _____

Phone Number: _____

Technician Name: _____

A NOTE ABOUT SAFETY

Any time you see this symbol  in manuals, instructions and on the unit, be aware of the potential for personal injury. There are 3 levels of precaution:

1. **DANGER** identifies the most serious hazards which will result in severe personal injury or death.
2. **WARNING** signifies hazards that could result in personal injury or death.
3. **CAUTION** is used to identify unsafe practices which could 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.



WARNING

PERSONAL INJURY, DEATH AND / OR PROPERTY DAMAGE HAZARD

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

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, 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 service agency must use factory-authorized kits or accessories when modifying this product.

Read and follow all instructions and warnings, including labels shipped with or attached to unit before operating your new air conditioner.

GENERAL

The Air Handler fan coil unit provides quiet, maximum comfort. In addition to cooling and/or heating, the Air Handler fan coil unit matched with an outdoor condensing unit filters and dehumidifies the air in the room to provide maximum comfort.

IMPORTANT: The Air Handler fan coil unit should be installed by authorized personnel only; using approved tubing and accessories. If technical assistance, service or repair is needed, contact the installer.

The Air Handler fan coil unit can be set up and operated from the remote control (provided).

Operating Modes:

The Air Handler fan coil unit has five operating modes:

- **FAN ONLY**
- **AUTO**
- **HEATING**
- **COOLING**
- **DEHUMIDIFICATION (DRY)**

FAN ONLY

In the **FAN ONLY** mode, the system filters and circulates the room air without changing room air temperature.

AUTO

In the **AUTO** mode, the system automatically cools or heats the room according to the user-selected set point.

NOTE: **AUTO** mode is recommended for use on single zone applications only. Using Auto changeover on multi-zone applications could set an indoor unit to **STANDBY** mode, indicated with two dashes (--) on the display, which turns off the indoor unit until all the indoor units are in the same mode; either **COOLING** or **HEATING**.

HEATING is the system's priority mode.

Simultaneous **HEATING** and **COOLING** is not allowed.

HEATING

In the **HEATING** mode, the system heats and filters the room air.

COOLING

In the **COOLING** mode, the system cools, dries and filters the room air.



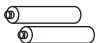

DEHUMIDIFICATION (DRY)

In the **DEHUMIDIFICATION** mode, the system dries, filters and slightly cools the room air temperature. This mode prioritizes air dehumidification however it does not take the place of a dehumidifier.

ACCESSORIES

The system is shipped with the following accessories (see Table 1). Keep the owner's manual in a safe place and do not discard any accessories until the installation has been completed.

Table 1 — Accessories

NAME	SHAPE	QUANTITY
Owner's and Installation Manual (An updated version may be available online)		1
Wireless Remote Controller		1
Battery		1
Infrared Display Panel and Extension Wire (located on the Air Handler Unit)		1

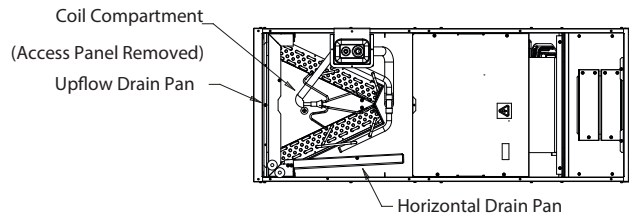
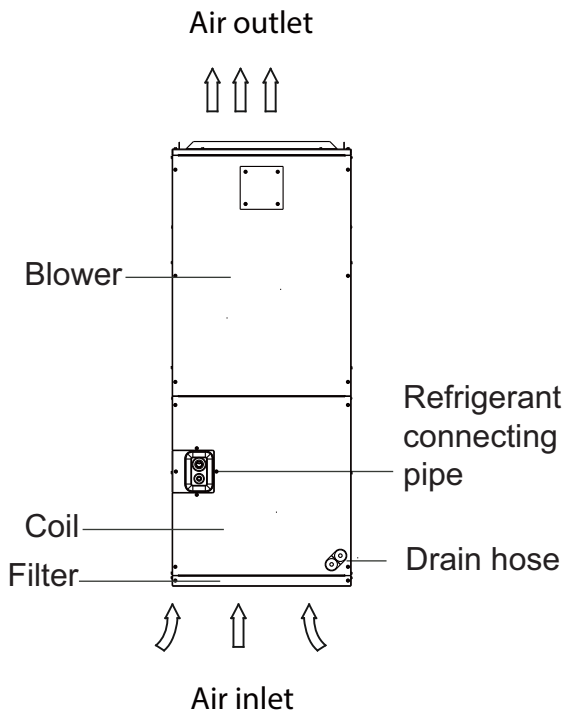


Fig. 1 — Indoor Unit Representation

Wireless Remote Control (Included)

The remote control transmits commands to set up and operate the system. The control has a window display panel that displays the current system status. The control can be secured to a surface when used with the mounting bracket provided.

Built-In 24V Interface Standard

Allows the control of the air handler with a third party thermostat (field supplied).

DISPLAY PANEL

The Display Panel is shipped inside the Control Box and it is used as an infrared receiver for the wireless remote controller shipped with the unit.

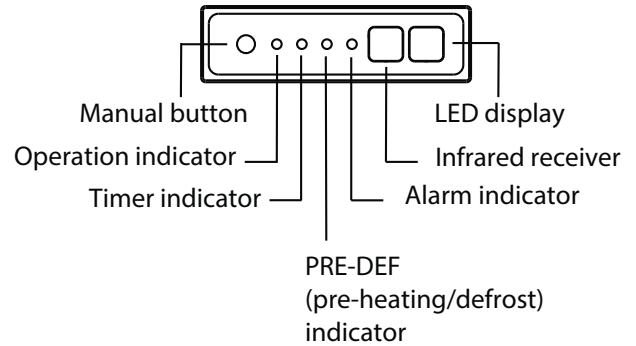


Fig. 2 — IR (Infrared) Receiver Display Panel

REMOTE CONTROLLER

Before you begin using your new system, familiarize yourself with the remote controllers available. Refer to the owner's manual that comes with each remote controller for more details.

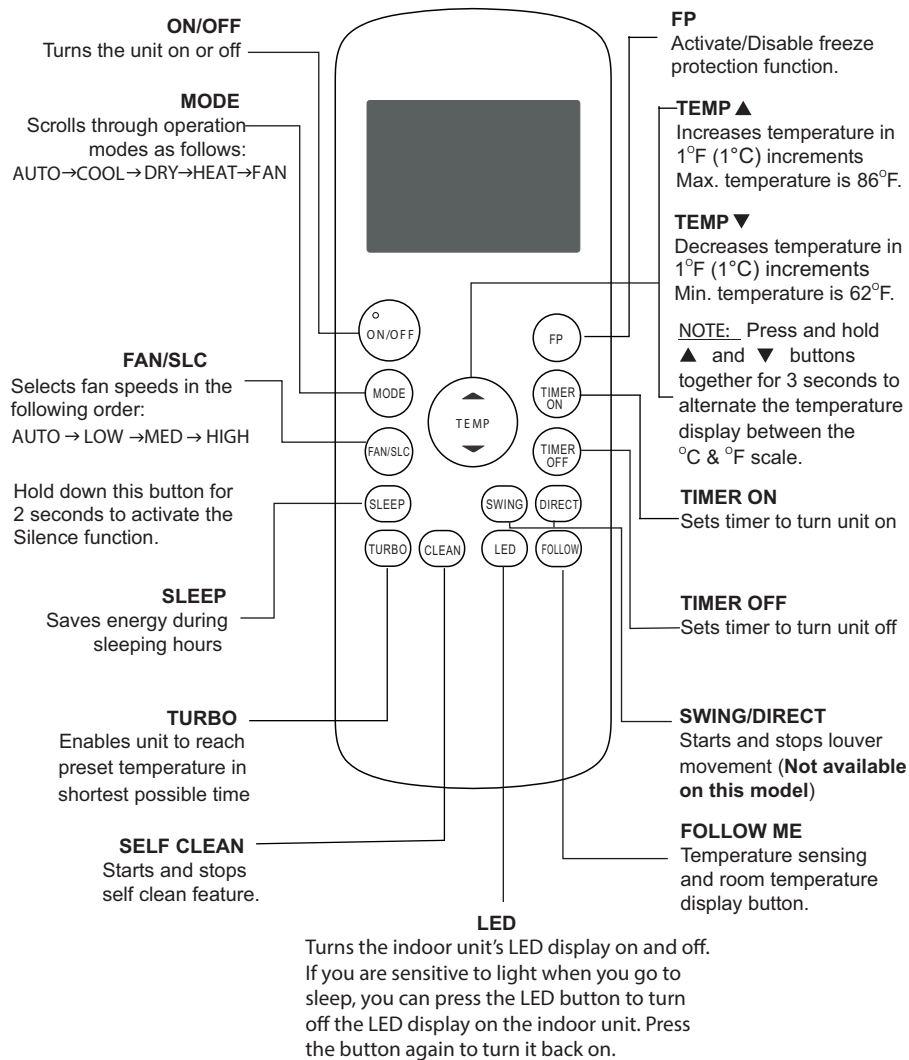


Fig. 3 — Wireless Remote Controller

NOTE: For advanced functions, refer to the RG57F3(B)/BGEFU1 Wireless Remote Controller's service manual.

Wireless Remote Controller Display

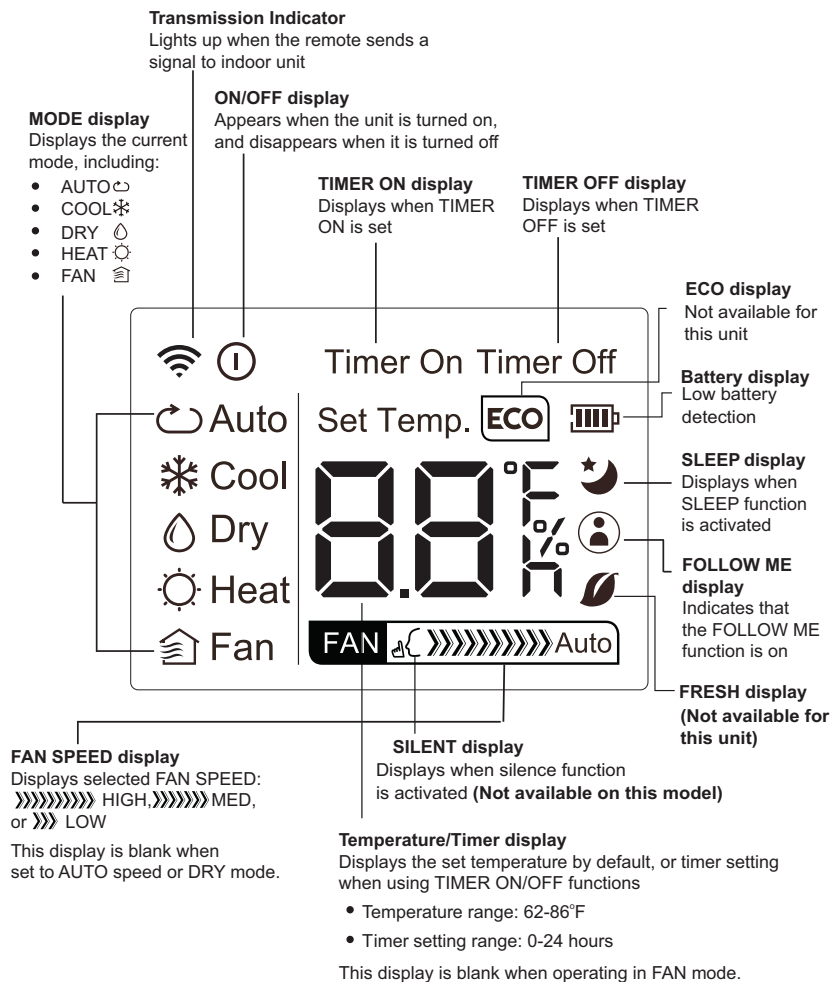


Fig. 4 — Wireless Remote Controller Display



CAUTION

EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage.
Handle the control with care and avoid getting the control wet.

IMPORTANT: The wireless remote control can operate the unit from a distance of up to 26 ft. (8 m) as long as there are no obstructions.

NOTES: If a Wireless Remote controller is used, relocate the IR (Infrared) Receiver Display Panel within line of sight of the remote location using the 6 ft. cable included. The factory location of the IR receiver is inside the control box.

When the timer function is used, the remote control should be kept in the vicinity of the fan coil (within 26 ft. (8 m)).

The remote control can perform the following basic functions:

- Turn the system **ON** and **OFF**
- Select the operating mode
- Adjust the room air temperature set point and fan speed

BATTERY INSTALLATION

Two AAA 1.5v alkaline batteries (included) are required to operate the remote control.

To install or replace batteries:

1. Slide the back cover off the control to open the battery compartment.
2. Insert the batteries. Follow the polarity markings inside the battery compartment.
3. Replace the battery compartment cover.

NOTE:

1. When replacing batteries, do not use old batteries or a different type of battery. Doing so may cause the remote control to malfunction.
2. If the remote is not going to be used for several weeks, remove the batteries. Otherwise battery leakage may damage the remote control.
3. The average battery life under normal use is about 6 months.
4. Replace the batteries when there is no audible response from the indoor unit or if the Transmission Indicator fails to illuminate.
5. When batteries are removed, the remote control erases all the programmed settings. The control must be reprogrammed after insertion of new batteries.

Remote Control Operation – Quick Start

NOTE: When transmitting a command from the wireless remote control to the unit, be sure to point the control toward the Infrared receiver or the Wired Controller. The unit confirms receipt of a command by emitting an audible response.

1. Turn the unit on by pushing **ON/OFF**.
2. If there is a preference for °C rather than °F (default), press and hold the increase ▲ and decrease ▼ temperature set point buttons together for approximately 3 seconds.
3. Push **MODE** to select the desired operating mode.



Fig. 5 — Modes

4. Select the temperature set point by pointing the control toward the unit and pressing the increase/decrease temperature set point buttons until the desired temperature appears on screen.
5. Select **FAN** to select the desired fan speed.

NOTE: If the unit is operating in **DRY** or **AUTO** mode, the fan speed will automatically set.

MANUAL OPERATION

If the remote control is lost, damaged, or the batteries are exhausted, you can use the **MANUAL** button, located on the IR Receiver to control the unit. When **MANUAL** is pressed once, the **AUTO** mode takes affect (**HEAT** or **COOL**). When **MANUAL** is pressed twice, the system enters the **TEST** mode and runs for 30 minutes in the **COOLING** mode (it will run in the **AUTO** mode afterwards). When **MANUAL** is pressed three times, the system turns off.

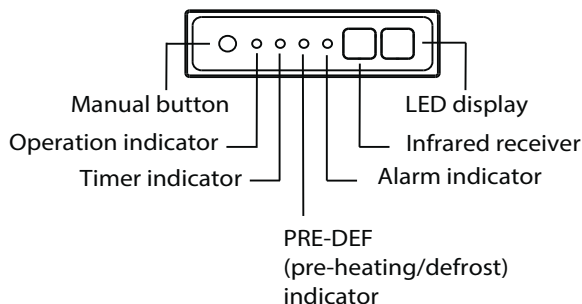


Fig. 6 — IR Receiver Display Panel

The set conditions of manual operation are as follows:

- Preset set point: 76°F (24°C)
- Fan speed: **AUTO**

REMOTE CONTROL FUNCTIONS

The indoor unit is shipped with a **Wireless Remote Controller** and a **24V Interface Built-in** that allows an easy connection to a third party thermostat. Some of the features listed in this manual may not be available depending on the third party thermostat selected. Refer to the owner's manual of the third party thermostat (field supplied) for more information on operation and functionality.

PRESSING ON/OFF

When the system is not in operation, the remote control displays the last set point and mode.

- Press **ON/OFF** to start the unit.
 - The unit starts in the last operating mode and set point. The **ON/OFF** indicator appears.
- Press **ON/OFF** to stop the unit.
 - All the indicator lights on the unit go out, and the remote control displays the set point and mode.

NOTE: If **ON/OFF** is pressed too soon after a stop, the compressor will not start for 3 to 4 minutes due to the inherent protection against frequent compressor cycling. The unit only emits an audible beep when the signals are received correctly.

SELECTING AN OPERATING MODE

Use **OPERATING** mode to select one of the available modes.



Fig. 7 — Operating Mode Display

SETTING THE ROOM TEMPERATURE SET POINT

Press the increase temperature set point ▲ and decrease ▼ buttons to raise or lower the temperature. The unit confirms the signal receipt with an audible response and the set temperature value appears on the display and changes accordingly. The temperature can be set between 62°F (17°C) and 86°F (30°C) in increments of 1°F or 1°C.

NOTE: In the **COOLING** mode, if the temperature selected is higher than the room temperature, the unit will not start. The same applies to the **HEATING** mode if the selected temperature is lower than the room temperature.

SELECTING THE FAN SPEED

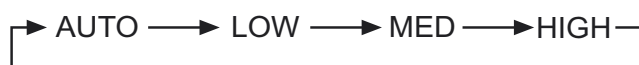


Fig. 8 — Fan Speeds

The fan speed can be selected by pressing **FAN**.

NOTE: When the unit is on, the fan runs continuously in **COOLING** or **HEATING**. When in the **HEATING** mode, there may be instances where the fan will slow down or shut off to prevent cold blow.

When the unit is configured to be used with the 24V interface and a third party thermostat the fan speed will operate under **AUTO**.

DIRECT

NOTE: The **DIRECT** feature is not available on this model.

SWING

NOTE: The **SWING** feature is not available on this model.


TIMER FUNCTION

TIMER ON (to start the unit) and **TIMER OFF** (to stop the unit) can be used separately or together. Not available if the system is configured with a 24V interface and a third party thermostat. Refer to your third party thermostat for scheduling.

TIMER ON ONLY

This function allows the unit to start automatically at the set time. The **TIMER ON** function can be set while the unit is on or off.

UNIT ON

- Press **TIMER ON**  to initiate the auto-on time sequence. The set time is displayed in the remote control display. Every time **TIMER ON** is pressed, the time increases by 30 minutes, up to 10 h. The time increases by 60 minutes, afterwards, until the time setting reaches 24 h.
- When the **TIMER ON** function is set, the unit's timer light illuminates. The unit continues to run at the set time.

UNIT OFF


- Set the timer described in the **UNIT ON** section.
- The unit starts at the set time.

Adjust the **TIMER ON** settings to 0.0 to cancel this option.

TIMER OFF ONLY

This function allows the unit to stop automatically at the set time. The timer can be set while the unit is on or while it is off.

UNIT ON

- Press **TIMER OFF**  to initiate the auto-off time sequence. The set time appears on the remote control display. Everytime **TIMER OFF** is pressed, the time increases by 30 minutes, up to 10 h. It increases by 60 minutes, afterwards, until the time settings reach 24 h.
- When **TIMER OFF** is set, the timer light on the unit illuminates and the unit turns off automatically at the set time.

UNIT OFF

- Set the **TIMER OFF** as described in the **UNIT ON** section. The **TIMER** display on the unit illuminates and the unit remains off.
- Adjust the **TIMER ON** settings to 0.0 to cancel this option.

Timer ON and Timer OFF

Use both functions to program the unit to turn on and shut off at specified times.

UNIT OFF

- Set **TIMER ON** as previously described.
- Set **TIMER OFF** as previously described. The unit starts automatically at the set **TIME ON** and turns off at the set **TIME OFF**.

UNIT ON

- Set **TIME OFF** as previously described.
- Set **TIME ON** as previously described. The unit turns off automatically at the set **TIME OFF** and turns on at the set **TIME ON**.

SLEEP MODE

SLEEP mode is used to conserve energy and can be used when the unit is in the **COOL**, **HEAT** or **AUTO** mode only. Not available if the system is configured with a 24V interface and a third party thermostat.

Cool Mode

Push **SLEEP**. After 1 hour the set point raises by 2°F (1°C). After another hour, the set point raises by another 2°F (1°C) and the fan runs in a low speed. The unit shuts off 5 hours after setting the **SLEEP** mode. The **SLEEP** mode cancels if either **MODE**, **TEMP**, **FAN**, **TIMER**, or **ON/OFF** on the remote control are pressed.

Heat Mode

Same as **COOLING** mode however set points are lowered by 2°F (1°C).

TURBO MODE

Use the **TURBO** mode to cool or heat the room rapidly.

Press **TURBO**. An audible response is heard if the indoor unit supports this function. The fan runs on super high speed. The **TURBO** mode terminates automatically 20 minutes after pushing **TURBO**. It can be terminated immediately by selecting **TURBO** again. When the **TURBO** mode is terminated, the unit reverts to the original setting.

NOTE: Turbo is not available if the unit is configured to be used with the 24V interface and a third party thermostat (field supplied); the fan speed will operate under **AUTO**.

SELF CLEAN MODE

Press **CLEAN** to activate or deactivate the self-cleaning function. Under this function, the air conditioner automatically cleans and dries the evaporator. The cleaning cycle takes 16 minutes, after which the unit turns off automatically. Pressing **CLEAN** in the middle of the cycle cancels the operation and turns off the unit.

NOTE: This function can be activated only in the **COOL** or **DRY** mode and it is not available on Multi-zone. Not available if the system is configured with a 24V interface and a third party thermostat.

FOLLOW ME MODE

Press **FOLLOW ME** to activate or deactivate this function. Under this setting, the temperature that appears in the remote control is the actual temperature at its location. The remote control sends this signal to the air conditioner every 3 minutes. This function is not available for **DRY** and **FAN** modes. This function can also be deactivated if:

1. No **FOLLOW ME** signal is received by the unit for continuous 7 minutes
2. Users adjust the operation mode
3. Users turn off the unit
4. Users turn off the **FOLLOW ME** function

NOTE: If **FOLLOW ME** is used with the wireless remote controller, make sure that the remote controller's IR sender is within line-of-sight of the unit's IR receiver and is within the maximum range of 25 feet from the indoor unit. **If FOLLOW ME is de-activated by pressing MODE, OFF or FOLLOW ME on the remote, the icon on the remote turns off.**

Not available if the system is configured with a 24V interface and a third party thermostat (field supplied).

FREEZE PROTECTION MODE

Press **FP** for approximately 2 seconds to activate or deactivate the **FREEZE PROTECTION** mode (heating set back). The indoor unit displays "**FP**".

NOTE: This function is only available in the **HEATING** mode.

Under this function, the unit operates at high fan speed and the coil temperature automatically sets to 46°F (8°C). This mode can also be deactivated by pressing **ON/OFF**, **SLEEP**, **MODE**, **FAN**, or either **TEMP**.

NOTE: Not available if the system is configured with a 24V interface and a third party thermostat.

SILENCE MODE

NOTE: The **Silence Mode** (SLC) feature is not available on this model.

LED LIGHT

Press **LED** to turn the display light of the IR receiver on and off.

RESETTING THE WIRELESS REMOTE CONTROL

If the batteries in the remote control are removed, the current settings will be canceled and the remote returns to the initial settings and defaults to **STANDBY** mode. Push **ON/OFF** to activate.

TIME DELAY

If **ON/OFF** is pressed too soon after a stop, the compressor will not start for 3 to 4 minutes due to the inherent protection against frequent compressor cycling. The unit only emits an audible response when the signals are received correctly.

HEATING FEATURES

If the unit is in the **HEATING** mode, there is a delay when the fan starts. The fan starts only after the coil is warmed up to prevent cold blow.

AUTO DEFROST OPERATION

In the **HEATING** mode, if the outdoor coil is frosted, the indoor fan and outdoor fan turns off while the system removes the frost from the outdoor coil. The system automatically reverts to normal operation when frost is removed from the outdoor unit.

Manual Defrost can be achieved following these steps (not available with the 24 Volt interface):

1. Press **AUTO/COOL** twice on the indoor unit to start the **FORCE COOLING** mode (FC appears on the indoor panel display).
2. Press **AUTO/COOL** continuously for 5 seconds under the **FORCE COOLING** mode. The indoor fan stops and **df** appears on the indoor panel display.

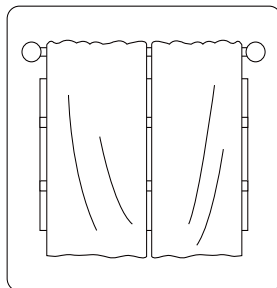
AUTO START

If the power fails while the unit is operating, the unit stores the operating condition, and the unit automatically starts operating under those conditions once the power is restored.

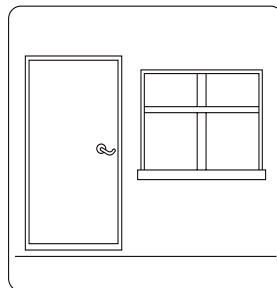
ENERGY SAVING RECOMMENDATIONS

The following recommendations will add greater efficiency to the ductless system:

- Select a comfortable thermostat setting and leave it at chosen setting. Avoid continually raising and lowering the setting.
- Keep the filter clean. Frequent cleaning may be necessary depending on indoor air quality.
- Use drapes, curtains or shades to keep direct sunlight from heating the room on very hot days.
- Limit the unit's run time by using the **TIMER** function.
- Do not obstruct the air intake on the front panel.
- Turn on the air conditioning unit before the indoor air becomes too uncomfortable.
- **DO NOT** set the unit to excessive temperature levels.
- While cooling, close the curtains to avoid direct sunlight.
- Doors and windows should be kept closed to keep cool or warm air in the room.
- **DO NOT** place objects near the air inlet and outlet of the unit.
- Clean the air filter every two weeks.
- Adjust the louvers properly and avoid direct airflow.



Closing curtains during heating also helps keep the heat in



Doors and windows should be kept closed

Fig. 9 — Close curtains, doors and windows

CARE AND MAINTENANCE

CLEANING YOUR INDOOR UNIT



CAUTION

BEFORE CLEANING OR MAINTAINING THE UNIT

Always turn the unit off and disconnect its power supply before cleaning or maintaining the unit.

When removing filter, do not touch metal parts in the unit. The sharp metal edges can cut.

DO NOT use water to clean the inside of the indoor unit. This can destroy insulation and cause an electrical shock.

DO NOT expose the filter to direct sunlight when drying. This can shrink the filter.



CAUTION

Any maintenance and cleaning of outdoor unit should be performed by an authorized dealer or a licensed service provider. Any unit repairs should be performed by an authorized dealer or a licensed service provider.

Contact an authorized service technician for repair or maintenance. Improper repair and maintenance may cause water leakage, electrical shock, or fire and may void your warranty.

DO NOT substitute a blown fuse with a higher or lower amperage rating fuse, as this may cause circuit damage or an electrical fire.

Ensure the drain hose is set up according to the instructions. Failure to do so could cause leakage and result in personal property damage, fire and electric shock.

Ensure all wires are connected properly. Failure to connect wires according to instructions can result in electrical shock or fire.



CAUTION

MAINTAINING THE UNIT

Only use a soft, dry cloth to wipe the unit clean. If the unit is especially dirty, you can use a cloth soaked in warm water to wipe it clean.

DO NOT use chemicals or chemically treated cloths to clean the unit. **DO NOT** use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.

DO NOT use water hotter than 104°F (40°C) to clean the front panel. This can cause the panel to deform or become discolored.

DO NOT wash the unit under running water. Doing so creates an electrical hazard. Clean the unit using a damp, lint-free cloth and neutral detergent. Dry the unit with a dry, lint-free cloth.

CLEANING THE FILTER

The filter prevents dust and other particles from entering the indoor unit. Dust buildup can reduce the efficiency of the air conditioner. For optimum efficiency, clean the air filter every two weeks or more frequently if you live in a dusty area. Replace the filter with a new one if it's heavily clogged and cannot be cleaned.

NOTE: In households with animals, you may have to periodically wipe down the grille to prevent animal hair blocking airflow.

1. Remove the filter cover.
2. Remove the air filter.
3. Clean the air filter by vacuuming the surface or washing it in warm water with mild detergent.

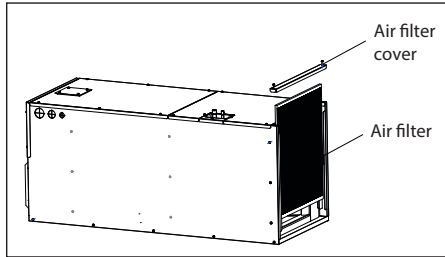


Fig. 10 — Remove the air filter cover

If using water, the inlet side should face down and away from the water stream.



If using a vacuum cleaner, the inlet side should face the vacuum.

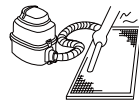


Fig. 11 — Cleaning filter with water or vacuum

MAINTENANCE – LONG PERIODS OF NON-USE

If you plan not to use the air conditioner for an extended period of time, do the following:

1. Clean all filters.

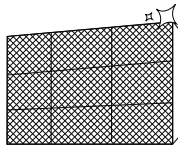


Fig. 12 — Clean all filters

2. Turn on the **FAN** function until the unit dries out completely.

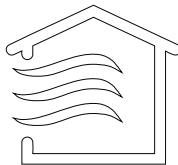


Fig. 13 — Turn on the FAN function

3. Turn off the unit and disconnect the power.



Fig. 14 — Turn off the unit and disconnect the power

MAINTENANCE - PRE-SEASON INSPECTION

After long periods of non-use, or before periods of frequent use, do the following:

1. Check for damaged wires.

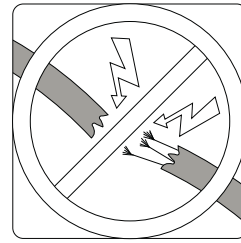


Fig. 15 — Check for damaged wires

2. Clean all filters

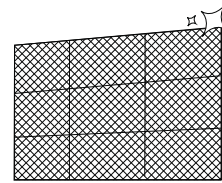


Fig. 16 — Clean all filters

3. Check for leaks.



Fig. 17 — Check for leaks

4. Ensure nothing is blocking the air inlets and outlets.

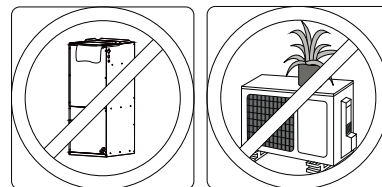


Fig. 18 — Remove obstacles blocking air inlets/ outlets

TROUBLESHOOTING



WARNING

SAFETY PRECAUTIONS

If any of the following conditions occurs, turn off the unit immediately!

The power cord is damaged or abnormally warm. You smell a burning odor.

The unit emits loud or abnormal sounds. A power fuse blows or the circuit breaker frequently trips. Water or other objects fall into or out of the unit.

DO NOT attempt to fix these issues yourself. Contact an authorized service provider immediately!

The following issues in Table 2 are not malfunctions and in most situations will not require repairs.

Table 2 — Common Issues

Issue	Possible Causes
Unit does not turn on when pressing ON/OFF	The unit has a 3-minute protection feature that prevents the unit from overloading. The unit cannot be restarted within three minutes after being turned off.
	COOLING and HEATING models: If the Operation light and PRE-DEF (Pre-heating/ Defrost) indicators are illuminated, the outdoor temperature is too cold and the unit's anti-cold wind is activated to defrost the unit.
	In the COOLING -only models: If the "Fan Only" indicator is illuminated, the outdoor temperature is too cold and the unit's anti-freeze protection activates to defrost the unit.
The unit changes from COOL/HEAT mode to FAN mode	The unit may change its setting to prevent frost from forming on the unit. Once the temperature increases, the unit starts operating in the previously selected mode again.
	The set temperature has been reached, at which point the unit turns off the compressor. The unit continues operating when the temperature fluctuates again.
The indoor unit emits white mist	In humid regions, a large temperature difference between the room's air and the conditioned air can cause white mist.
Both the indoor and outdoor units emit white mist	When the unit restarts in the HEAT mode (after defrosting), white mist may be emit due to moisture generated from the defrosting process.
The indoor unit makes noises	A squeaking sound is heard when the system is OFF or in the COOL mode. The noise is also heard when the drain pump (optional) is operating.
	A squeaking sound may occur after running the unit in the HEAT mode due to expansion and contraction of the unit's plastic parts.
Both the indoor unit and outdoor unit make noises	Low hissing sound during operation: This is normal and is caused by refrigerant gas flowing through both the indoor and outdoor units.
	Low hissing sound when the system starts, has just stopped running, or is defrosting. This noise is normal and is caused by the refrigerant gas stopping or changing direction.
	Squeaking sound: Normal expansion and contraction of plastic and metal parts caused by temperature changes during operation can cause squeaking noises.
The outdoor unit makes noises	The unit makes different sounds based on the current operating mode.
Dust emits from either the indoor or outdoor unit	The unit may accumulate dust after extended periods of non-use. Dust can emit when the unit is turned on. This can be mitigated by covering the unit during long periods of inactivity.
The unit emits a bad odor	The unit may absorb odors from the environment (such as furniture, cooking, cigarettes, etc.) which will emit during operations.
	The unit's filters have become moldy and should be cleaned.
The outdoor unit fan does not operate	During operation, the fan speed is controlled to optimize product operation.

NOTE: If an issue persists, contact a local dealer or your nearest customer service center. Provide them with a detailed description of the unit's malfunction as well as the unit's model number.

TROUBLESHOOTING (CONT)

When issues occur, please review the following common issues in Table 3 prior to contacting a service company.

Table 3 — Troubleshooting Tips

Problem	Possible Causes	Solution
Poor Cooling Performance	Temperature setting may be higher than the ambient room temperature	Lower the temperature setting
	The heat exchanger on the indoor or outdoor unit is dirty	Clean the affected heat exchanger
	The air filter is dirty.	Remove the filter and clean it according to instructions
	The air inlet or outlet of either unit is blocked.	Turn the unit to remove the obstruction and turn it back on
	Doors and windows are open	Ensure that all doors and windows are closed while operating the unit
	Excessive heat is generated by sunlight	Close windows and curtains during periods of high heat or bright sunshine
	There are too many heat sources in the room (people, computers, electronics, etc.)	Reduce amount of heat sources
	Low refrigerant due to leak or long-term use	Check for leaks, re-seal if necessary and top off refrigerant
The unit is not working	Power failure	Wait for the power to be restored
	The power is turned off.	Turn on the power
	The fuse is burned out.	Replace the fuse
	The unit's 3-minute protection has been activated.	Wait three minutes after restarting the unit
	Timer is activated	Turn timer off
The unit starts and stops frequently	There is too much or too little refrigerant in the system.	Check for leaks and recharge the system with refrigerant.
	Incompressible gas or moisture has entered the system.	Evacuate and recharge the system with refrigerant
	System circuit is blocked	Determine which circuit is blocked and replace the malfunctioning piece of equipment
	The compressor is broken.	Replace the compressor
	The voltage is too high or too low.	Install a manostat to regulate the voltage
Poor heating performance	The outdoor temperature is extremely low.	Use an auxiliary heating device
	Cold air is entering through doors and windows	Ensure that all doors and windows are closed during use.
	Low refrigerant due to leak or long-term use	Check for leaks, re-seal if necessary and top off refrigerant