



Model

WS5-08HW-301

8, 000 BTU

WS5-10HW-301

10,000 BTU

WS5-12HW-301

12, 000 BTU



Electronic Hybrid Air Conditioner w/ Heat Operating Instructions



**INVERTER
TECHNOLOGY**



**Intertek
5028773**

WARNING: This product can expose you to chemicals including Lead and Bisphenol-A, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Air conditioner must be upright for 24 hours prior to operating.
This ensures that the compressor will function as intended.

V240113

PURCHASE INFORMATION

Thank you for choosing a Soleus Air Hybrid Air Conditioner. This Owner's Manual will provide you with valuable information necessary for the proper care and maintenance of your new product. Please take a few moments to thoroughly read the instructions and familiarize yourself with all the operational aspects of your new Soleus Air Window Air Conditioner.

For your own records, please attach a copy of your sales receipt to this manual. Also, write the store name/location, date purchased, and serial number below:

Store Name: _____

Location: _____

Date Purchased: _____

Serial Number (located on back of unit): _____

IMPORTANT INSTRUCTIONS

Before installing and using your air conditioner, please read this owner's manual carefully. Store this manual in a safe place for future reference. Your safety and the safety of others is very important to us. Please pay attention to all safety messages outlined in this owner's manual.

WARNING: To reduce the risk of fire, electrical shock or injury when using your air conditioner, follow these basic precautions:

- Plug into a grounded 3 prong outlet.
- Do not remove the ground prong.
- Do not use a plug adapter.
- Do not use an extension cord.
- Unplug the air conditioner before servicing.
- Use two or more people to move and install the air conditioner.



This is a safety alert symbol.

This symbol alerts you to potential hazards that can harm you or others or even cause death. All safety messages will directly follow the safety alert symbol and/or the words "DANGER" or "WARNING."

All Safety messages alert you of potential hazards, how to reduce the chance of injury, and what can happen if instructions are not followed correctly.

! DANGER

! WARNING

Failure to immediately follow these instructions may cause serious injury or even death.






IMPORTANT INSTRUCTIONS



**R32
A2L**

WARNING

THIS SYMBOL THAT THIS APPLIANCE USED A FLAMMABLE REFRIGERANT. IF THE REFRIGERANT IS LEAKED AND EXPOSED TO AN EXTERNALIGNITION SOURCE.THERE IS A RISK OF FIRE.

	CAUTION	THIS SYMBOL THAT THE OPERATION MANUAL SHOULD BE READ CAREFULLY.
	CAUTION	THIS SYMBOL THAT A SERVICE PERSONNEL SHOULD BE HANDLINGTHIS EQUIPMENT WITH REFERENCE TO THE INSTALLATION MANUAL.
	CAUTION	THIS SYMBOL THAT INFORMATION IS AVAILABLE SUCH AS THE OPERATING VANUAL OR INSTALLATION MANUAL.

The fuse cannot be replaced.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

If the SUPPLY CORD is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

A statement requiring that a damaged cord be replaced with one supplied by the unit manufacture and not repaired.

WARNING - RISK OF ELECTRIC SHOCK. CAN CAUSE INJURY OR DEATH. DISCONNECT ALL REMOTE ELECTRIC POWER SUPPLIES BEFORE SERVICING.

WARNING - Risk Of Fire. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.

WARNING - Risk Of Fire. Dispose Of Properly In Accordance With Federal Or Local Regulations. Flammable Refrigerant Used.



WARNING - Risk Of Fire. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Service This Product. All Safety Precautions Must Be Followed.

WARNING - Risk of Fire due to Flammable Refrigerant Used. Follow Handling Instructions Carefully in Compliance with National Regulations.

Warning: keep any required ventilation openings clear of obstruction.

Notice: servicing shall be performed only as recommended by the manufacturer.

Warning: The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

Warning: The appliance shall be stored in a room without continuously operating open flames (for example an operating gas appliance) and ignition sources (for example an operating electric heater).

WARNING

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources. (for example: open flames, an operating gas appliance or an operating electric heater.)
- Do not pierce or burn. Be aware that refrigerants may not contain an odour.

QUALIFICATION OF WORKERS

The installation and servicing of this equipment must be performed by qualified, experienced technicians only. Professional installation personnel should have the following experience :

- Installing the electric heater.
- Opening of sealed components.
- Opening of ventilated enclosures.
- Commissioning and troubleshooting.
- Checking the electric control part and wiring.
- Breaking into the refrigerant circuit and charging.

Information on servicing

1) Checks to the area

Prior to beginning work on systems containing FLAMMABLE REFRIGERANTS, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the REFRIGERATING SYSTEM.

2) Work procedure

Work shall be undertaken under a controlled procedure so as to minimise the risk of a flammable gas or vapour being present while the work is being performed.

3) General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided.



IMPORTANT INSTRUCTIONS

4)Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially toxic or flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with all applicable refrigerants, i. e. non-sparking, adequately sealed or intrinsically safe.

5)Presence of fire extinguisher

If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

6)No ignition sources

No person carrying out work in relation to a REFRIGERATING SYSTEM which involves exposing any pipe work shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. “No Smoking” signs shall be displayed.

7)Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

8)Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the manufacturer's technical department for assistance.

The following checks shall be applied to installations using FLAMMABLE REFRIGERANTS:

- the actual REFRIGERANT CHARGE is in accordance with the room size within which the refrigerant containing parts are installed;
- the ventilation machinery and outlets are operating adequately and are not obstructed;
- if an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant;
- marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;
- refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

9)Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.



IMPORTANT INSTRUCTIONS

Initial safety checks shall include:

- that capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking;
- that no live electrical components and wiring are exposed while charging, recovering or purging the system;
- that there is continuity of earth bonding.

Repairs to sealed components

- During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.
- Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.
- Ensure that the apparatus is mounted securely.
- Ensure that seals or sealing materials have not degraded to the point that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

Repair to intrinsically safe components

- Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.
- Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere. The test apparatus shall be at the correct rating.
- Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.
- NOTE The use of silicon sealant can inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

Cabling

- Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

Detection of flammable refrigerants

- Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.
- The following leak detection methods are deemed acceptable for all refrigerant systems.
- Electronic leak detectors may be used to detect refrigerant leaks but, in the case of FLAMMABLE REFRIGERANTS, the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed, and the appropriate percentage of gas (25% maximum) is confirmed.
- Leak detection fluids are also suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.



IMPORTANT INSTRUCTIONS

- NOTE Examples of leak detection fluids are
 - bubble method,
 - fluorescent method agents.
- If a leak is suspected, all naked flames shall be removed/extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak.

Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose –conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration.

- The following procedure shall be adhered to:
 - a) safely remove refrigerant following local and national regulations;
 - b) purge the circuit with inert gas;
 - c) evacuate (optional for A2L);
 - d) purge with inert gas (optional for A2L);
 - e) open the circuit by cutting or brazing.
- The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times.
- Compressed air or oxygen shall not be used for purging refrigerant systems.
- For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.
- Ensure that the outlet for the vacuum pump is not close to any potential ignition sources and that ventilation is available.

Charging procedures

- In addition to conventional charging procedures, the following requirements shall be followed.
- Ensure that contamination of different refrigerants does not occur when using charging equipment.
- Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them.
- Cylinders shall be kept in an appropriate position according to the instructions.
- Ensure that the REFRIGERATING SYSTEM is earthed prior to charging the system with refrigerant.
- Label the system when charging is complete (if not already).
- Extreme care shall be taken not to overfill the REFRIGERATING SYSTEM.
- Prior to recharging the system, it shall be pressure-tested with the appropriate purging gas. The system shall be leak-tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

Decommissioning

- Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely.
- Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant. It is essential that electrical power is available before the task is commenced.
 - a) Become familiar with the equipment and its operation.



IMPORTANT INSTRUCTIONS

- b) Isolate system electrically.
- c) Before attempting the procedure, ensure that:
 - mechanical handling equipment is available, if required, for handling refrigerant cylinders;
 - all personal protective equipment is available and being used correctly;
 - the recovery process is supervised at all times by a competent person;
 - recovery equipment and cylinders conform to the appropriate standards.
- d) Pump down refrigerant system, if possible.
- e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
- f) Make sure that cylinder is situated on the scales before recovery takes place.
- g) Start the recovery machine and operate in accordance with instructions.
- h) Do not overfill cylinders (no more than 80 % volume liquid charge).
- i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
- j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- k) Recovered refrigerant shall not be charged into another REFRIGERATING SYSTEM unless it has been cleaned and checked.

Labelling

- Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed. For appliances containing FLAMMABLE REFRIGERANTS, ensure that there are labels on the equipment stating the equipment contains FLAMMABLE REFRIGERANT.

Recovery

- When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.
- When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i. e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.
- The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of all appropriate refrigerants including, when applicable, FLAMMABLE REFRIGERANTS. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.
- The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.
- If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that FLAMMABLE REFRIGERANT does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.



POWER CORD AND PLUG

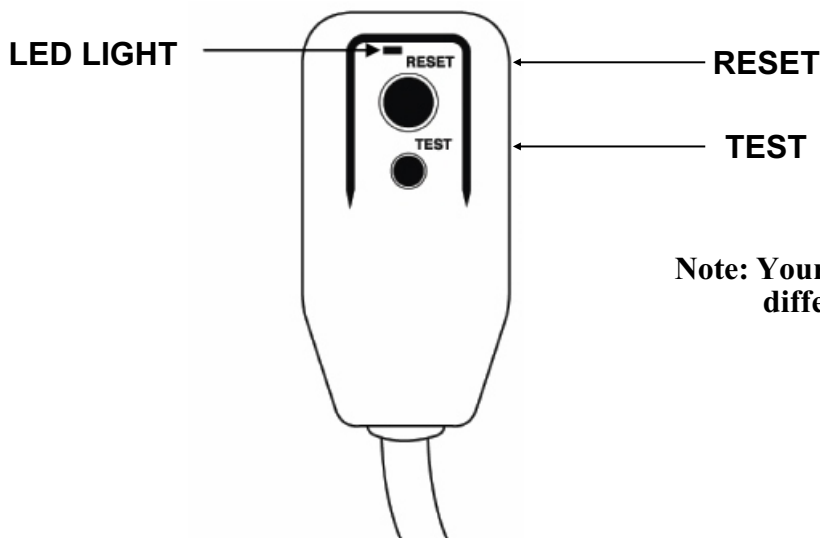
This air conditioner is equipped with an LCDI (Leakage Current Detection and Interruption) power cord and plug as required by US National Electric Code 440.65. This cord consists of a length of shielded flexible cord with no termination on the load side and a LCDI attachment plug on the line side.

The LCDI power cord and plug will remove the supply source via electrical disconnect (circuit trip) if the nominal current leakage between the cord shield and either load conductor exceeds a predetermined value. The cord will remain de-energized until the device has been manually reset. This is intended to reduce the risk of a fire in the power cord or combustible materials nearby. The cord shields are not grounded and they must be considered a shock hazard if exposed. The cord shield must not be connected to ground or to any exposed metal.

The test and reset buttons on the LCDI Plug are used to check if the plug is functioning properly.
To test:

1. Plug power cord into wall outlet, the LED light will turn on.
2. Press TEST Button, circuit should trip, cutting power to the air conditioner. When this occurs, the LED light will turn off.
3. Press RESET button to restore power to the unit. Once power is restored, the LED light will turn on again.

If test button is pressed and unit can still be turned on, current leakage has been detected. Do not use the air conditioner or attempt to reset the LCDI Plug. Contact Customer Service for troubleshooting recommendations.



Note: Your unit's power cord may differ from the one shown.

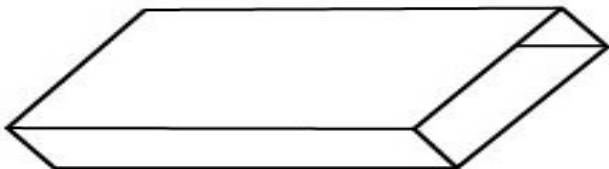
WARNING:

1. DO NOT press the TEST button while the air conditioner is operating.
2. The TEST and RESET buttons should not be used as “ON” and “OFF” switches.
3. The cord and plug are not intended to offer protection to externally connected loads or supply circuits.
4. The cord and plug are intended for indoor use only.

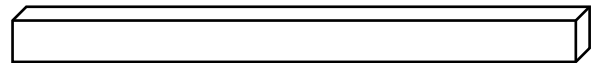


PACKAGE CONTENTS

- ☒ Hybrid Air Conditioner (1)
- ☒ Remote Control (1)
- ☒ AAA Battery (2)
- ☒ Foam Sealer (2)
- ☒ Mounting Block (2)
- ☒ Pre-installed Adjustable Support Knob (2)
- ☒ Top Foam Sealer (1)
- ☒ Bubble Level (1)
- ☒ Optional Window Security Bracket
- *Type B Screw* (1)
- ☒ Owner's Manual (1)



(2) - Mounting Block

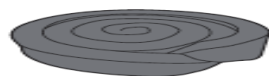
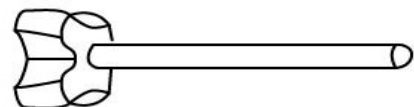


(1) - Type B Screw



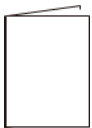
Bubble Level

(2) - Pre-installed Adjustable Support Knob



Top Foam Sealer

Owner's Manual



SPECIFICATIONS

- Noise level is measured at a distance of 3.28 ft away from the front of the unit in cooling mode.
- Power consumption is measured when the fan runs at the highest speed setting.
- These specifications are for reference only. For actual data, please refer to the rating label on the back of the unit.

Model	WS5-08HW-301	WS5-10HW-301	WS5-12HW-301
Power Supply (Ph/V/Hz)	1/115/60	1/115/60	1/115/60
Rated Cooling & Heating Capacity (BTU/h)	8,400/8,400	10,100/10,000	12,000/10,000
Cooling & Heating Power Input (Watts)	840	1070	1220
Rated Current Cooling & Heating (Amperage)	9.2	11.4	13.5
CEER	13.0	13.0	13.0
Noise Level (dB(A))	38-48(Indoor)/51-63(Outdoor)	38-48(Indoor)/51-63(Outdoor)	38-48(Indoor)/51-63(Outdoor)
Airflow CFM	218/250/270	218/250/270	218/250/270
Dehumidifying Capacity	74 Pints per day	74 Pints per day	74 Pints per day
Product Dimensions (W"xH"xD")	18.7"x15.2"x31.8"	18.7"x15.2"x31.8"	18.7"x15.2"x31.8"
Package Dimensions (W"xH"xD")	21.3"x17.3"x33.5"	21.3"x17.3"x33.5"	21.3"x17.3"x33.5"
Net/Gross Weight (lbs.)	68.6/77.2	64.6/73.6	64.6/73.6
Refrigerant Type	R32	R32	R32
Plug Type	NEMA 5-15P	NEMA 5-15P	NEMA 5-15P

FCC Notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna

Increase the separation between the device and receiver

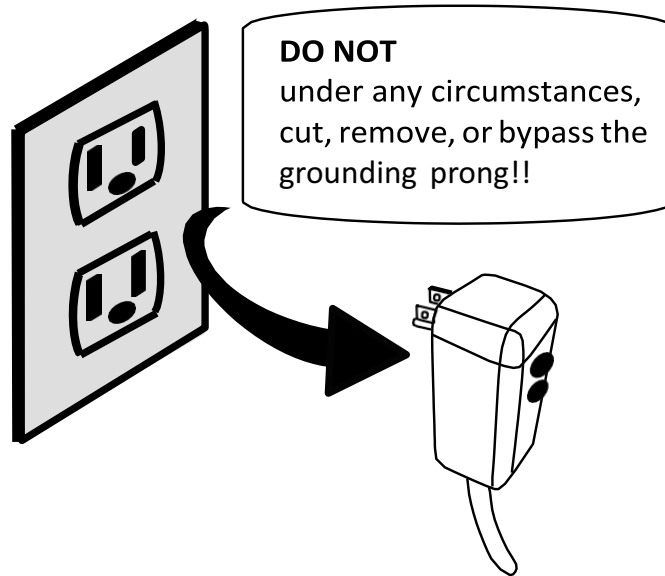
Connect the device into an outlet on a circuit different from that to which the receiver is connected

Consult the dealer or an experienced radio/television technician for help .

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.



WARNING: Avoid fire hazard or electronic shock.
DO NOT use an extension cord or an adapter plug.
DO NOT remove any prong from the power cord.



Power supply cord with 3-prong grounding plug and current detection device

DISCLAIMER

ALL INFORMATION AND THE TECHNICAL SPECIFICATIONS PRESENTED IN THIS USER'S MANUAL ARE THE PRESENTATION OF THE MANUFACTURER. SOLEUS N.A. HAS NOT CONDUCTED AN INDEPENDENT TEST TO VERIFY THE INFORMATION AND SPECIFICATIONS PRESENTED HEREWITHIN.

INSTALLATION

Window Preparation

Please read all instructions prior to installing your air conditioner. Two people are recommended to install this product. If a new electrical outlet is required, have the outlet installed by a qualified electrician before installing the unit.

Before installing the unit, check the dimensions of your window to make sure the air conditioner will fit. This unit is made to fit inside a standard double-hung window. Make sure the window is in good shape. If not, make repairs prior to installing the unit.

Model	WS5-08HW-301	WS5-10HW-301	WS5-12HW-301
Unit Height	15"	15"	15"
Unit Width	18.7"	18.7"	18.7"
Min. Window Opening Height	16"	16"	16"
Min. Window Width (Including space needed for window slider)	24"	24"	24"
Max Window Width	48"	48"	48"
Max Window Sill ft	12.5"	12.5"	12.5"

Storm Window Requirements

A storm window frame will not allow the air conditioner to tilt properly which will keep it from draining properly. To adjust for this, attach a board or piece of wood to the sill. The board or wood piece should have a depth of at least 1 1/2". Make sure the board or piece of wood is approximately 1/2" higher than the storm window frame. This will allow the air conditioner to tilt enough for proper drainage (See FIG. 2).

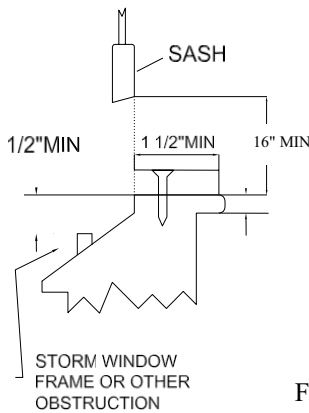


FIG. 1

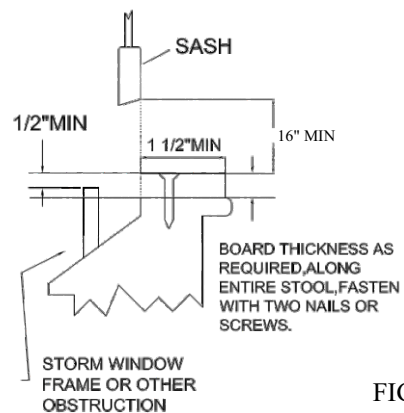


FIG. 2

Prior to Installing the Air Conditioner

1. Check for anything that could block airflow. Check the area outside of the window for things such as shrubs, trees, or awnings. Check the inside area to make sure curtains, drapes, or blinds will not prevent proper airflow.
2. Check the available electrical outlet. The power supply must be the same as shown on the unit serial nameplate (located on the left side of the unit, near the front faceplate). Be sure the outlet is close enough for the power cord to reach.
3. Carefully unpack the air conditioner. Remove all packing material and make sure the floor is protected when removing. Due to the large size of this air conditioner, two people should move the unit together.

CAUTION

When handling the unit, be careful to avoid cuts from the sharp metal edges and aluminum fins on the front and rear coils.



INSTALLATION

1. Attach Mounting Blocks on Window Frame (See Fig.1)

- 1) Remove adhesive from mounting block and place mounting block on window frame.
- 2) Press down firmly on the mounting block to secure in place.
- 3) Then, remove adhesive from the other mounting block and place mounting block on window frame.
- 4) Press down firmly on the mounting block to secure in place.
- 5) The mounting block are now ready to support the Hybrid Air Conditioner.

Fig.1

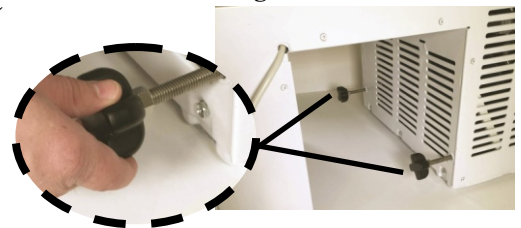


2. Slide Hybrid Air Conditioner Over Window Sill

- 1) Open window completely
- 2) Lift the Hybrid Air Conditioner on either side of the unit and bring it up to the window.
- 3) Insert the unit into the window until the center of the Hybrid Air Conditioner is over the window sill.
- 4) Slowly lower the Hybrid Air Conditioner over the window sill so that the unit straddles the wall.
- 5) Paying close attention to your fingers, completely lower the Hybrid Air Conditioner onto the window sill.
- 6) Center Hybrid Air Conditioner in the window so that there are equal gaps on either side of the unit.

***Use the adjustable supports to secure the Hybrid AC against the outside wall. (See Fig.2)**

Fig.2



***Use the bubble level to make sure the unit is balanced when secure on the window sill. When balanced, the bubble should be between the two black lines. (See Fig.3)**

Fig.3



3. Attach Window Slider Foam Sealer (See Fig.4 and 5)

- 1) Measure the distance between the air conditioner and the window sash.
- 2) Cut to length by using a utility knife

Fig. 4



Fig. 5



INSTALLATION

Attach Window Slider Foam Sealer (See Fig. 6 and 7)

- 1) Remove adhesive from window side foam sealer.
- 2) Position foam (adhesive-side) against the left-side edge of the Hybrid Air Conditioner at the point where the window sash will be aligned with the foam when closed.
- 3) Press the foam firmly in place and hold for 5 seconds.
- 4) Repeat these steps on the right-side edge of the Hybrid Air Conditioner.



Fig.6



Fig.7

5. Attach Top Foam Sealer

- 1) Measure the total width of the installation including the window sliders
- 2) Cut the top foam sealer to length
- 3) Remove adhesive from the top foam sealer
- 4) Attach the top foam sealer to the top of the Hybrid Air Conditioner and window sliders directly below the window sash
- 5) Close the window sash and seal.



Fig.8

6. Plug in Hybrid Air Conditioner and Power ON

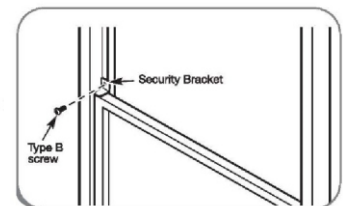
SECURITY BRACKET

Optional Security Bracket Installation

Your Window Kit also includes an optional security bracket that can be installed to prevent the window from being opened from the outside while a Window Kit is installed.



Single and Double Hung Windows



Install the security bracket with a type B screw as shown if you need.

END OF SEASON

Remove the Air Conditioner from the Window (End of Season)

1. Turn the air conditioner off, and disconnect the power cord.
2. Remove the window sliders from either side of the air conditioner.
3. Using a drain pan, unplug the drain plug on the front bottom of the unit to drain any condensation water in the base of unit.
4. Keeping a firm grip on air conditioner, lift up and remove the air conditioner from the window and sill.
5. Store parts with the air conditioner in



WIFI APP SETUP

*Screenshots shown are from an Apple iOS device. Android devices may differ slightly.

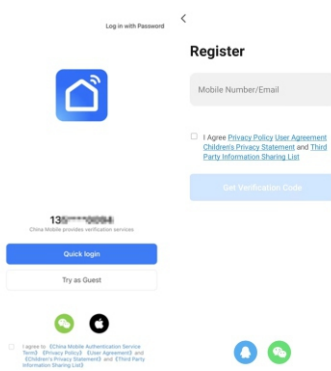
Step 1

Search for Smart Life in Apple's App Store and other major app stores, or scan the following QR code to download the Smart Life app.



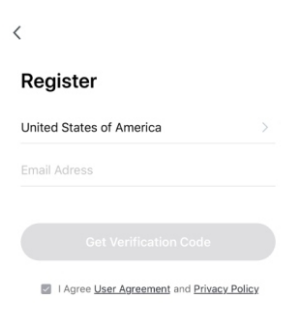
Step 2

Register for a new account



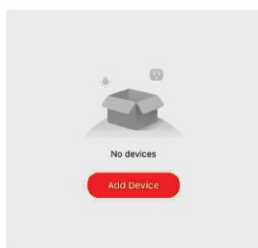
Step 3

Fill out email address and click the Get Verification Code button. (Email will be sent with confirmation instructions)



Step 4

Login with username and password and click add device



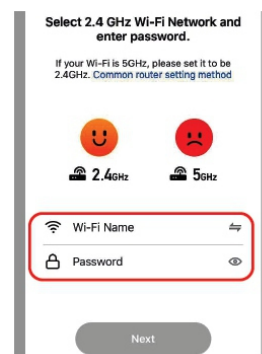
Step 5

Choose Large Home Appliances and Air Conditioner (Wi-Fi)



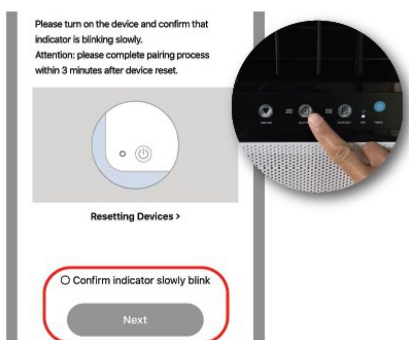
Step 6

Enter the Wi-Fi name and Password



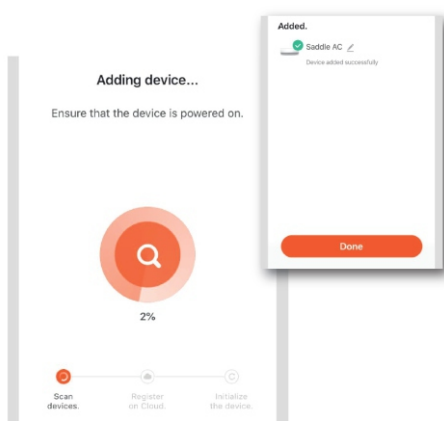
Step 7

DO NOT TURN ON THE DEVICE. Hold the Timer button over 3 seconds until the Wi-Fi indicator is flashing on the control panel



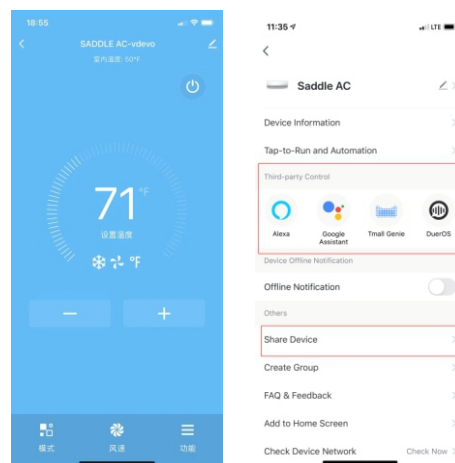
Step 8

Click Done and all set



Step 9

To use the voice command function, click the Pen icon on the right corner



To reset the Wi-Fi module, hold down the Timer buttons for over 3 seconds until the beeping sound is heard. Click on "Confirm the indicator is blinking" in the APP, then select "BLINK QUICKLY"

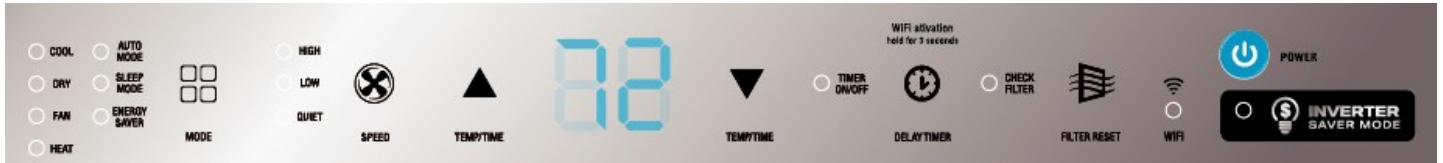
Note: If the device name is unable to be found from the network list or the device is un-registered from the APP, the Wi-Fi module needs to be reset.



CONTROL PANEL

Electronic Control Panel & Remote Control

Note: This control panel display always shows the room temperature in Fan Mode and Dry Mode except when setting the temperature and timer.



Normal Operating Sounds

- You may hear a pinging noise caused by water hitting the condenser on rainy days, or when the humidity is high. This design feature helps remove moisture and improve efficiency.
- You may hear the thermostat click when the compressor cycles on and off.
- Water will collect in the base pan during rain or days of high humidity. The water may overflow and drip from the outside part of the unit.
- The fan may run even when the compressor is not on.

Power Button: Turn the air conditioner on and off.

Digital Display: Will display set temperature when the unit is in Cool, Heat, Energy Saver mode, and display current room temperature when in Auto, Dry, Fan mode.

Temperature Set: Use these buttons on the control panel or remote to increase or decrease the Set Temperature.

Fan Speed: Use the fan speed button to change the fan speed. Choose between high, low, and quiet.

Mode Button: Press the MODE button to cycle through the various modes: Cool, Dry, Fan, Heat, Auto, Sleep, Energy Saver

Timer Set: Use these buttons on the control panel and remote control to set the timer. Each press of the ▲ or ▼ button will increase or decrease the timer.

Auto-On Timer: When the air conditioner is off, it can be set to automatically turn on in 1-24 hours at the previous set mode and fan settings. To set the Auto-on Timer, press the TIMER button on the unit or remote control. Timer can be set in 1 hour increment.

Auto-off Timer: When the air conditioner is on, it can be set to automatically turn off in 1-24 hours. To set the Auto-off Timer, press the TIMER button on the unit or remote control. Timer can be set in 1 hour increment.

Once timer is set, TIMER ON/OFF indicator on control panel will light up, the set temperature will also, shown on digital display. To see the remaining time, press TIMER button. To change the timer settings, use the ▲ or ▼ on control panel or remote control.

During preview of timer setting, press TIMER button once to display set time, press the button one more time to cancel the settings.

Energy Saver Mode (Default startup mode): Press the MODE button to turn on Energy Saver Mode. In Energy Saver mode, set the desired temperature and the unit will turn-off once the room is cooled or heated to that temperature. (Compressor shut off.)

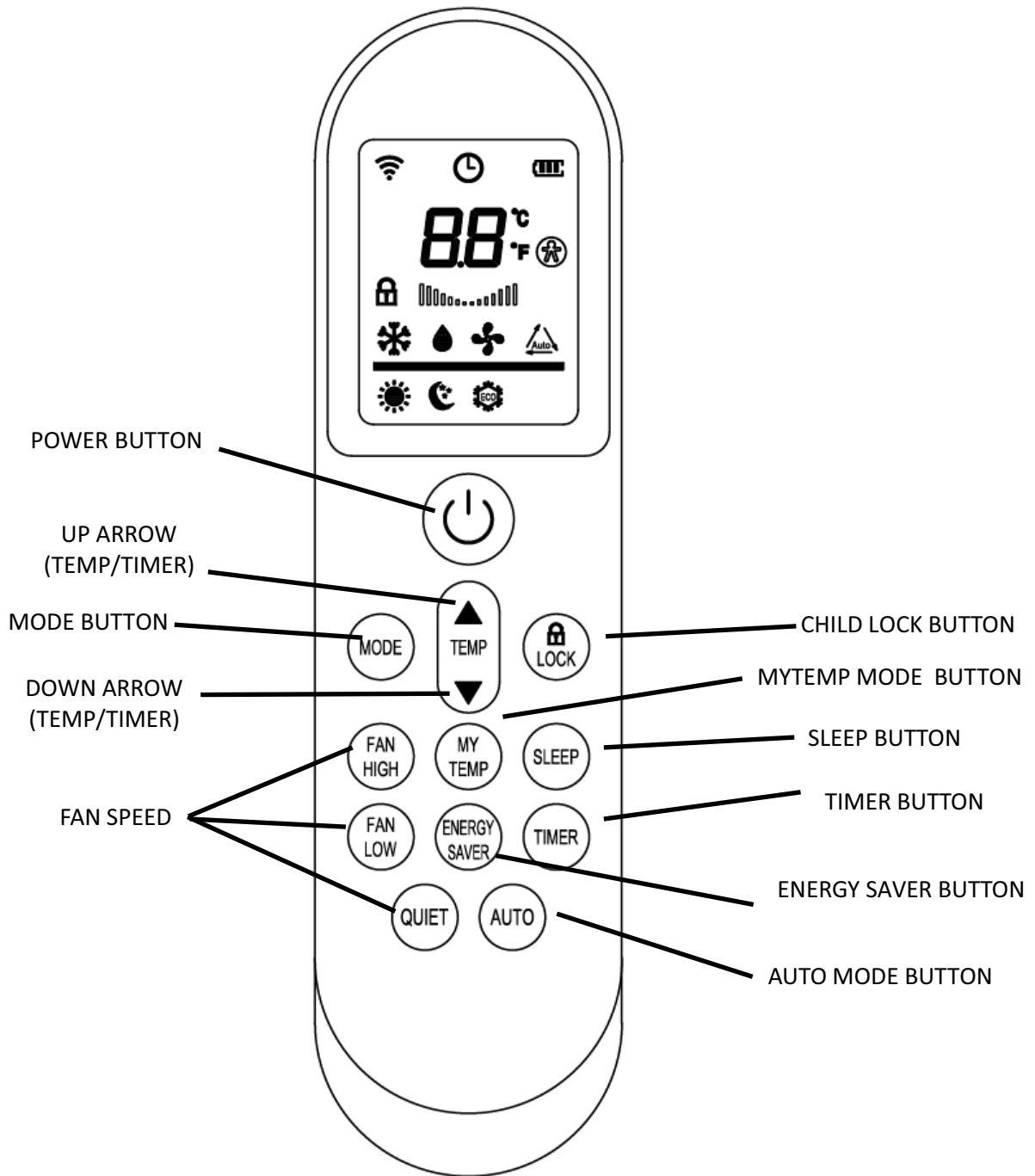
The unit will turn back on when the room temperature rises above or drop below the set temperature.

Filter Reset: Press the FILTER RESET button to reset the filter light. The light will illuminate every 250 hours of operation as a reminder to clean the filter.

Signal Receiver: Point the remote control to the air conditioner when sending instruction to the unit.



REMOTE CONTROL



Battery Size: AAA - NOTE: Do not mix old and new batteries or different types of AAA batteries.

OPERATION INSTRUCTIONS

- 1. ON/OFF** - Press the POWER button to turn the A/C on or off. When the unit is turned off, the Timer function will be cancelled. The set temperature will be saved.
- 2. MODE SELECTION** - Press the MODE button repeatedly to cycle between the different modes: Cool, Dry (Dehumidifier), Fan and Heat.
- 3. TEMPERATURE SETTING** - Press the ▼ button to decrease the temperature when the unit is on. Stop pressing the button when the desired temperature is displayed. Temperature range is 62°F-86°F. Press the ▲ button to increase the temperature when the unit is on. Stop pressing the button when the desired temperature is displayed. Temperature range is 62°F-86°F. While the unit is on, press the ▲ and ▼ buttons simultaneously to switch between Celsius and Fahrenheit.
- 4. FAN** - Press the MODE button to turn on the fan mode.
FAN HIGH –Press this button to set the fan speed to high. Can be used in COOL, FAN and HEAT mode.
FAN LOW –Press this button to set the fan speed to medium. Can be used in COOL, FAN and HEAT mode.
QUIET—Press this button to set the fan speed to quiet. Can be used in COOL, FAN and HEAT mode.
- 5. SLEEP MODE** - Press the SLEEP button on the remote control, When in SLEEP mode, the fan will run on quiet to keep fan noise at a minimum. The temperature setting will gradually increase to 1°F above the original set temperature for each of first 2 hours when cooling. The temperature setting will gradually decrease to 1°F below the original set temperature for each of first 2 hours when heating. The unit will keep operating the same temperature until the sleep mode is turned off. Once the SLEEP mode is set, the display of the control panel will automatically dim after 10 seconds.
- 6. ENERGY SAVER MODE**- Press the ENERGY SAVER mode button to turn on ENERGY SAVER mode. When the unit is in ENERGY SAVER mode, the ENERGY SAVER light will turn on. Set the unit to the desired temperature for the room. Selecting ENERGY SAVER mode will cycle the fan off and on with the compressor to limit energy consumption and maintain the desired temperature. Use this feature when the room is unoccupied and a greater range of room temperature is acceptable.
**Energy Saver mode is the default startup mode*
- 7. AUTO MODE**- Press the AUTO button to activate auto mode. When the unit is in AUTO mode, the unit will automatically choose the fan speed and cycle between COOL, FAN and HEAT modes to maintain the room temperature. Auto Mode will operate the unit in COOL mode when the temperature is above 72 degrees, FAN mode when the temperature is between 68-72 degrees, HEAT model when the temperature is below 68 degrees.
- 8. TIMER** - Press the TIMER button when the unit is off to set up the Auto-on timer. The hour indicator on the digital display will start flashing. Press the ▲ and ▼ button to set timer within 1-24 hours.
Press the TIMER button when the unit is on to set up the Auto-off timer. The hour indicator on the digital display will start flashing. Press the ▲ and ▼ button to set timer within 1-24 hours. To cancel the timer, press the TIMER button again.
- 9. MY TEMP MODE** - Press the MYTEMP MODE button to change the thermostat sensor from the air conditioner to the remote location. When MYTEMP MODE is activated, double hyphen sign "--" will flash 3 seconds on digital display. The air conditioner will cool the area depending on the location and set temperature of the remote control. Take the remote control with you so the air conditioner cools the room to your location.
- 10. CHILD LOCK**– Press this button 3 seconds to lock/unlock the remote control buttons.



USE THE AIR CONDITIONER

Freezing Conditions: This air conditioner is not designed for freezing outdoor conditions. It must not be used in freezing outdoor conditions.

Remote Control: To ensure proper operation when using the remote control, aim the remote directly at the signal receiver on the air conditioner.

The remote control has a signal range up to 20 feet.

Make sure nothing is blocking the remote control signal from being received by the air conditioner.

Make sure the batteries are installed correctly and still have power.

Cooling & Heating Mode: Use the Cool or Heat mode at High, Low, Quiet fan speed when needed. Use the temperature ▲ or ▼ buttons to set the desired temperature between 62°F-86°F.

Once the temperature is set, the compressor will cycle on and off to keep the room temperature at the set temperature level. The lower the set thermostat temperature, the cooler the room will be. The higher the set thermostat temperature, the warmer the room will become.

Energy Saver Mode:

When the Energy Saver mode is **ON**, the fan will cycle on and off with the compressor. This results in more variations of room temperature and humidity. Normally, it is used when the room is unoccupied. The fan may continue to run for a short time after the compressor cycles off.

When the Energy Saver mode is **OFF**, the fan runs all the time in fan, cool and heat mode.

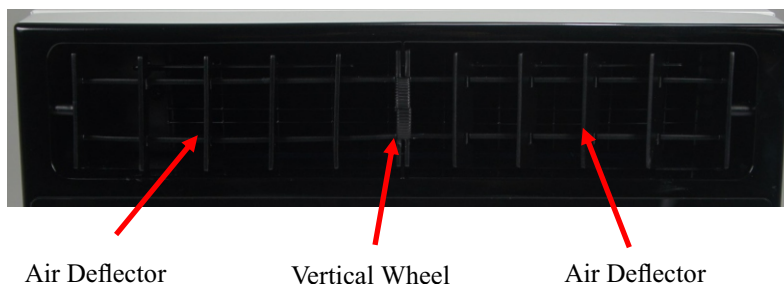
**Energy Saver mode is the default startup mode*

Fan Only Mode: Use Fan Only mode at High, Low, or Quiet fan speed to provide air circulation and filtering without cooling. Since Fan Only setting does not provide cool, a set temperature cannot be entered. The room temperature will appear in the display.

Loss of Power Protection: If power to the air conditioner is lost or interrupted, the air conditioner will automatically restart in the setting last used prior to power loss. Timer will be cancelled when power is lost or interrupted. You may need to set a new timer if desired.

Auto Mode: The air conditioner will automatically choose Cool, Fan and Heat mode based on current room temperature.

Air Direction: Use the lever on the front air vents to adjust the airflow direction. You can direct the airflow to left, right, up or down.



USE AND CARE

CARE AND CLEANING

Clean your air conditioner to keep it looking new and to minimize dust build up.

Air Filter Cleaning

The air filter should be checked at least once every month to see if it needs cleaning. Trapped particles and dust can build up in the filter and may decrease airflow as well as cause the cooling coils to accumulate frost. To clean the air filter:

1. Remove the filter by pulling on the indents of the front panel on the top, right and left side of the unit.
2. Wash the filter using liquid dish soap and warm water. Rinse the filter thoroughly. Gently shake the filter to remove excess water.
3. Let the filter dry completely before placing back it into the air conditioner.
4. If you do not wish to wash the filter, you may vacuum the filter to remove the dust and other particles.



Wear and Tear

To minimize wear and tear on the air conditioner, always wait at least 3 minutes before changing modes. This will protect the compressor and extend product life.

Cabinet Cleaning

To clean the air conditioner cabinet:

- Unplug the air conditioner to prevent shock or a fire hazard. The cabinet and front panel of the air conditioner may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid soap. Rinse thoroughly with a damp cloth and wipe dry.
- Never use harsh cleaners, wax or polish on the cabinet front.
- Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the air conditioner.

Winter Storage

To store the air conditioner when it is not in use for an extended period of time, remove it carefully from the window according to the installation instructions and cover it with plastic or place it in the original box.

Error Codes

If an error code illuminates on the digital display, unplug the power cord from the wall and plug it back in. Most of the time, this will reset the error code. If the error code continues to display, call our customer service line at (866) 669-9998 for further troubleshooting.

Error Codes	Description
E1	Pipe Temperature Sensor Failure
E2	Room Temperature Sensor Failure
E4	Freeze Protection



TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The Air Conditioner will not start	The air conditioner is unplugged	<ul style="list-style-type: none"> Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped	<ul style="list-style-type: none"> Check the main fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure	<ul style="list-style-type: none"> The unit will automatically restart when power is restored. There is a protective time delay (approx. 3 minutes) to prevent tripping of the compressor overload. For this reason, the unit may not start normal cooling for 3 minutes after it is turned back on.
	The LCDI plug is tripped	<ul style="list-style-type: none"> Press the RESET button located on the power cord plug. If the RESET button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.
The Air Conditioner does not cool as it should	Airflow is restricted	<ul style="list-style-type: none"> Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temperature control may not be set correctly	<ul style="list-style-type: none"> Lower the set thermostat temperature.
	The air filter is dirty	<ul style="list-style-type: none"> Clean the filter. See the Cleaning and Care Section of the manual.
	The room may be too warm	<ul style="list-style-type: none"> Please allow time for the room to cool down after turning on the air conditioner.
	Cold air is escaping	<ul style="list-style-type: none"> Check for open furnace registers and cold air returns.
	The Cooling Coils are frozen	<ul style="list-style-type: none"> See "Air Conditioner Freezing Up" below.
The Air Conditioner is freezing up	Ice blocks the air flow and stops the air conditioner from cooling the room	<ul style="list-style-type: none"> Set the MODE dial to HIGH FAN or HIGH COOL and set the thermostat to a higher temperature.
Water is dripping outside	Hot and humid weather	<ul style="list-style-type: none"> This is normal

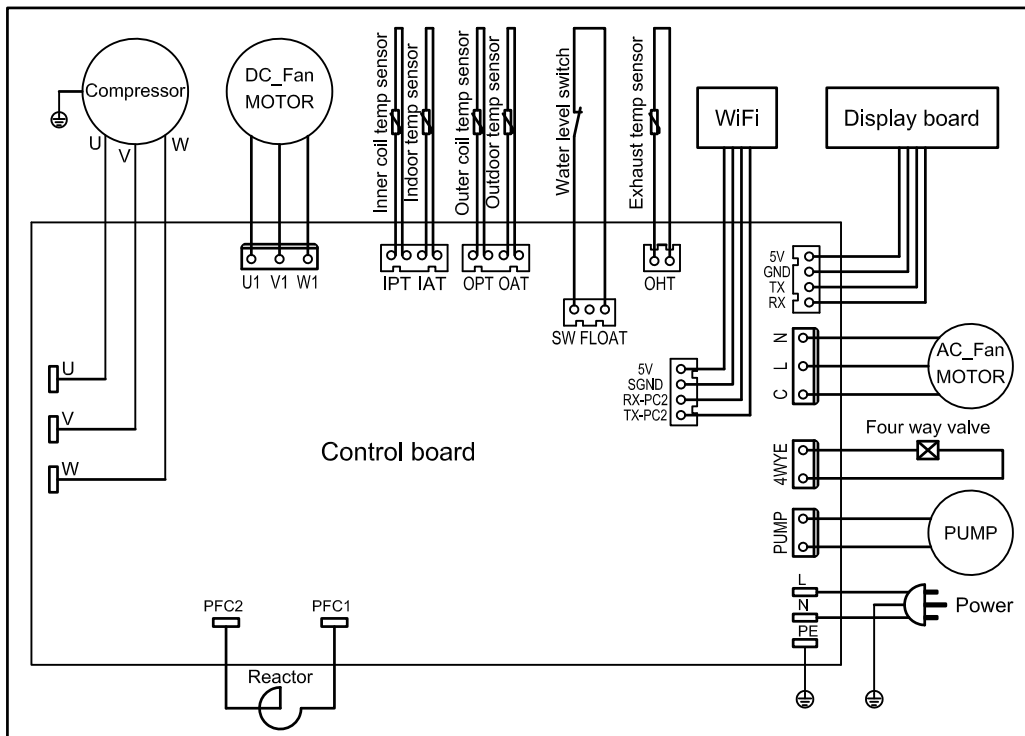


TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Water is dripping inside the room	The air conditioner is not correctly tilted towards the outside The drain plug is unplugged.	<ul style="list-style-type: none"> For proper water drainage, make sure the air conditioner is slightly tilted downward from the front of the unit to the rear. Firmly press on the drain plug at the front, bottom-left side of the unit.
Water collects in the base pan	Moisture removed from the air is draining into the base pan	<ul style="list-style-type: none"> This is normal for a short period in areas with low humidity and normal for a longer period in areas with high humidity.
Unit turns off automatically, code "FL" displays on the control panel	Internal water bucket is full	<ul style="list-style-type: none"> Use the front, bottom-left side drain port to empty the water and the unit will turn back on.
The Remote Control is not working	The batteries are inserted incorrectly or the batteries may be dead	<ul style="list-style-type: none"> Check the position of the batteries. Replace the batteries

Our units use the latest heat pump technology on the marketplace. Heat pump technology is the most efficient in heat mode above 30°F degrees. Heat pump technology does not work as efficiently on temperatures below 30°F, it is recommended to use auxiliary heat from central air or a space heater.

WIRING DIAGRAM



LIMITED WARRANTY

One Year Limited Warranty

SOLEUS N.A. warrants the accompanying Air Conditioner to be free of defects in material and workmanship for the applications specified in its operation instruction for a period of One (1) year from the date of original retail purchase in the United States.

If the unit exhibits a defect in normal use, SOLEUS N.A. will, at its option, either repair or replace it, free of charge within a reasonable time after the unit is returned during the warranty period.

As a condition to any warranty service obligation, the consumer must present this Warranty Certificate along with a copy of the original purchase invoice.

THIS WARRANTY DOES NOT COVER:

- Damage, accidental or otherwise, to the unit while in the possession of a consumer not caused by a defect in material or workmanship.
- Damage caused by consumer misuse, tampering, or failure to follow the care and special handling provisions in the instructions.
- Damage to the finish of the case, or other appearance parts caused by wear.
- Damage caused by repairs or alterations of the unit by anyone other than those authorized by SOLEUS N.A.
- Freight and Insurance cost for the warranty service.
- Filter and Accessories

ALL WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY. **SOLEUS N.A. DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES AND IN NO EVENT SHALL SOLEUS N.A.'S LIABILITY EXCEED THE RETAIL VALUE OF THE UNIT FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY WITH RESPECT TO THIS UNIT.**

This warranty covers only new products purchased from our authorized dealers or retailers. It does not cover used, salvaged, or refurbished products.

As some states do not allow the limitation or exclusion of incidental or consequential damages, or do not allow limitation on implied warranties, the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For Technical Support and Warranty Service

Please Call (866) 669-9998

www.ftl411.com

