GLOBAL™ INDUSTRIAL

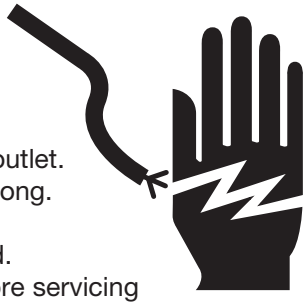
User's manual	Manual del usuario	Manuel de l'utilisateur
Customer Service US: 1-800-645-2986	Servicio de atención al Cliente US: 1-800-645-2986	Service à la clientèle Canada: 888-645-2986

Electronic Window Air Conditioner

Model 293068 6,000 BTU, Cool Only, 115V

⚠ WARNING

Read all instructions before use. To reduce the risk of fire, electric shock, or injury to persons when using this appliance, follow the following 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
- Two people are recommended to lift and install the unit.
- Refrigerant R32 is used. Contact a qualified service technician for maintenance of the refrigerant.

The electrical ratings for your air conditioner are listed on the model and serial number label located on the front, left side of the unit (when facing front).

Recommended Ground Method

For your personal safety, this air conditioner must be grounded. This air conditioner is equipped with a 3 prong power supply cord and a grounded plug. To minimize the possibility of electrical shock, the cord must be plugged into a 3 prong outlet and grounded in accordance with all local codes and ordinances. If a 3 prong outlet is not available, it is the customers responsibility to have a proper 3 prong outlet installed by a qualified electrician.

It is the customers responsibility:

- To contact a qualified electrician
- To assure that the electrical installation is adequate and in conformance with the National Electrical Code, ANSI/NFPA 70 - latest edition, and all local codes and ordinances.

LCDI Power Cord and Plug

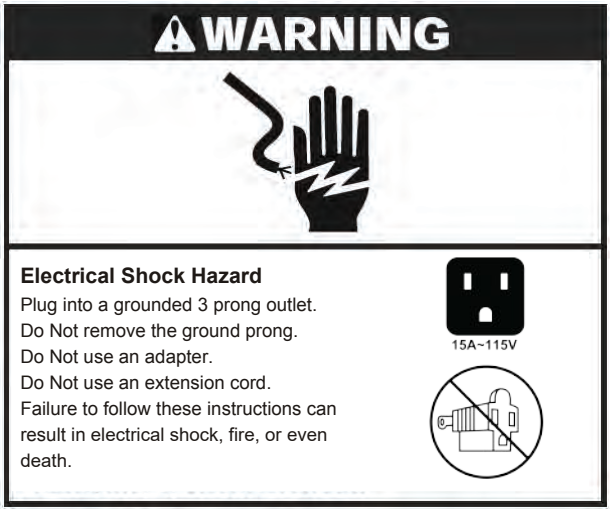
This air conditioner is equipped with an LCD (Leakage Current Detection and Interruption) power cord that is required by UL. This power supply cord contains state-of-the-art electronics that sense current leakage. If the cord is damaged and leakage occurs, power will be disconnected from the unit.

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

1. Plug power cord into a grounded 3 prong outlet.
2. Press RESET (on some units a green light will turn on).
3. Press the TEST button, the circuit should trip and cut all power to the air conditioner (on some units a green light will turn off).
4. Press the RESET button for use. You will hear a click and the A/C is ready for use.

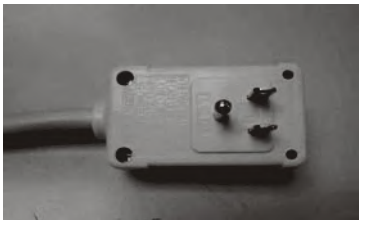
TABLE OF CONTENTS

ELECTRICAL REQUIREMENTS



The electrical ratings for your air conditioner are listed on the model and serial number label located on the front left side of the unit (when facing the front).

Specific electrical requirements are listed in the chart below. Follow the requirements below for the type of plug on the power supply cord.

Wiring Requirements	Power Supply Cord
• 115 volt (103 min.—127 max) • 0-8 amps • 10-amp time-delay fuse or circuit breaker • Use on single outlet circuit only	

Recommended Ground Method

For your personal safety, this air conditioner must be grounded. This air conditioner is equipped with a 3 prong power supply cord with a grounded plug. To minimize the possibility of electrical shock, the cord must be plugged into a 3 prong outlet and grounded in accordance with all local codes and ordinances. If a 3 prong outlet is not available, it is the customer's responsibility to have a properly grounded 3 prong outlet installed by a qualified electrician.

It is the customer's responsibility:

- To contact a qualified electrician.
- To assure that the electrical installation is adequate and in conformance with the National Electrical Code, ANSI/NFPA 70 - latest edition, and all local codes and ordinances.

Copies of the standards listed may be obtained from:
National Fire Protection Association
One Batterymarch Park
Quincy, Massachusetts 02269

LCDI 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.

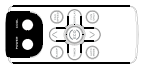
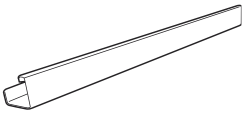
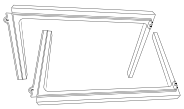
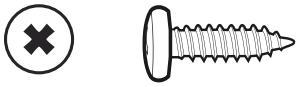
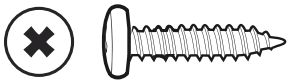
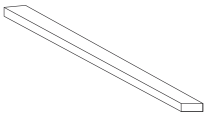
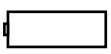
The test and reset buttons on the LCDI Plug are used to check if the plug is functioning properly. To test the plug:

1. Plug power cord into a wall outlet
2. Press the TEST Button, the circuit should trip and cut all power to the air conditioner
3. Press the RESET button for use

If a test is performed and the indicator light remains ON, the current leakage has been detected. Do not use the air conditioner or attempt to reset the LCDI Plug. Contact Customer Service for troubleshooting recommendations.

INSTALLATION HARDWARE INCLUDED

(appearance may vary)

IMAGE	PART	QUANTITY
	Window Air Conditioner	1
	Remote Control	1
	Top Mounting Rail (Putting on the top of package foam with sponge)	1
	Lock Frame	2
	Filler Panels (With "Left" & "Right" on the front face)	2
	Sash Lock (Two holes)	1
	Window Sash Seal (Sponge)	1
	3/8” Screws	4
	1/2” Screws	3
	3/4” Screws	4
	Foam Top Window Gasket (Thin sponge for backup using)	1
	Insulation strip(Sponge) (Only for E-Star models)	2
	Battery	2

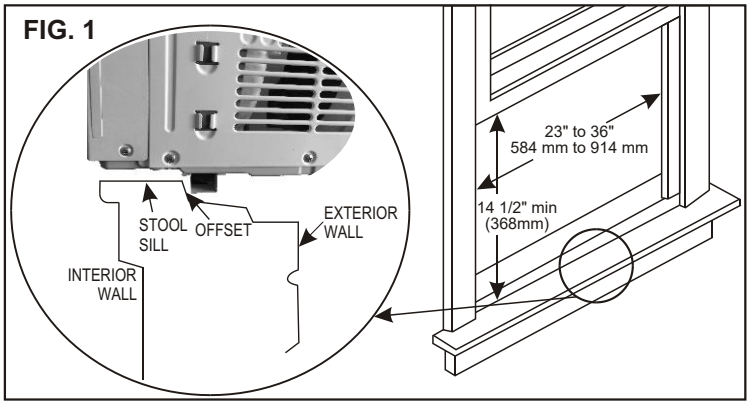
NOTE: Save carton and these Installation Instructions for future reference. The carton is the best way to store unit during winter or when not in use.

INSTALLATION & ASSEMBLY INSTRUCTIONS (CONT.)

Some assembly is required for your new air conditioner. Please read and follow these instructions carefully.

1. This air conditioner is designed to be installed in a standard double-hung window with a window width between 23” and 36” (584 mm - 914 mm).
2. The air conditioner can be installed without the accordion panels to fit in a narrow window opening. See the window dimensions.
3. The Lower Sash (the lower part of the window that moves up and down) must allow for 14½” of vertical clearance when open. (See FIG. 1).
4. All supporting parts must be secured to firm wood, masonry, or metal.
5. The electrical outlet must be within reach of the power cord.

FIG. 1

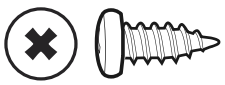
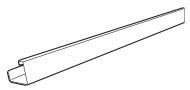


NOTE: Save the product packaging and installation instructions for future reference. Store the air conditioner in the product box when not in use for an extended period of time.

Top Rail Assembly

The top rail must be assembled prior to installing the air conditioner in the window

Tools Needed: Phillips Head Screw Driver

Top Rail Hardware	QTY
 3/8” Screw	4
 Top Rail	1

Attaching the Top Rail to the Air Conditioner

1. Remove the air conditioner from the box and place on a hard and flat surface.
2. Remove top rail from the top of the packaging material as shown in FIG. A.
3. Align the hole in the top rail with those in the top of the unit as shown in FIG. B.
4. Secure the top rail to the unit with the 3/8" screws as shown in FIG. C.

CAUTION

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

FIG. A

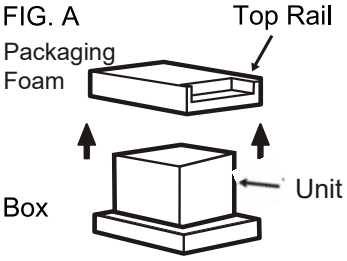


FIG. B

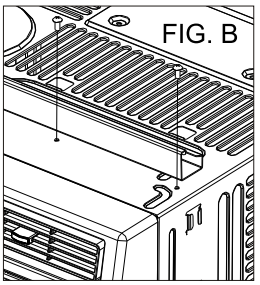
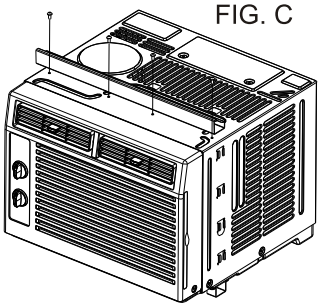


FIG. C



NOTE: For safety reasons, all 4 screws must be used to attach the top rail.

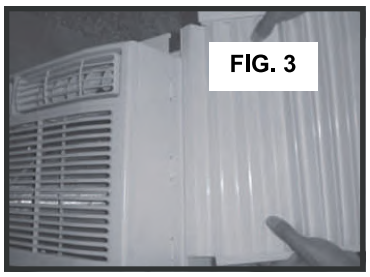
INSTALLATION & ASSEMBLY INSTRUCTIONS (CONT.)

Accordion Panel Installation

Now that you have installed the top rail, you can now install the accordion panels on each side.

1. Place the air conditioner on a hard flat surface.
2. Locate the accordion panels in the box.
3. Gently pull the free end of the accordion panel (See FIG. 2). Do this for both panels.

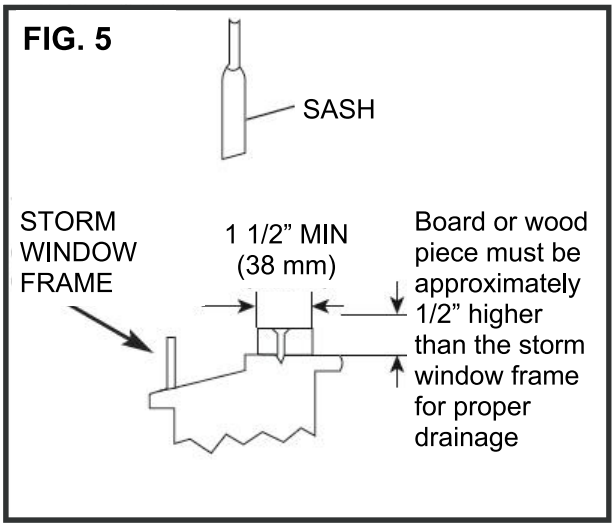
4. Slide the free end of the accordion panel into the side panel of the air conditioner (See FIG. 3). Do this for each side.



5. Once the accordion panels are slid into place adjust the top and bottom rails of the accordion panels into the top and bottom rails of the air conditioner (See FIG. 4).

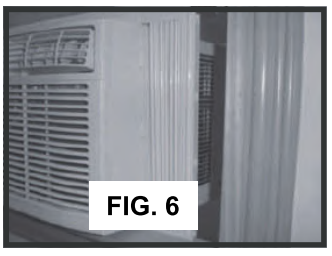
Storm Window Requirements

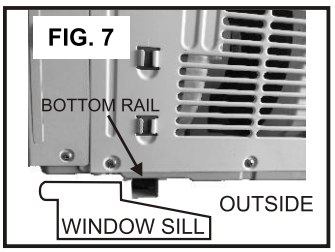
A storm window frame will not allow the air conditioner to tilt properly which in turn will keep it from draining properly. To adjust for this, attach a board or piece of wood to the sill. The board or wood piece should have a depth of at least 1 1/2". Make sure the board or piece of wood is approximately 1/2" higher than the storm window frame. This will allow the air conditioner to tilt enough for proper drainage. (See FIG. 5).



Placing the Unit Inside a Window

1. Place the air conditioner on the sill with the bottom mounting rail against its back edge. Center the air conditioner and close the window securely behind the top mounting rail. The air conditioner should be slightly tilted to the outside area. NOTE: Check that air conditioner is tilted back approximately ¾" to 1". (Tilted about 3° to 4° downward to the outside). If, after proper installation, condensation does not drain from the overflow drain hole during normal use, adjust slope. (See FIG. 6 & FIG. 7) (Suggested to keep a downward slope to let accumulated rain water to drain out from the backside of the unit's bottom.)





2. Once the air conditioner is installed, extend both the left and the right accordion panels to the width of the window.

INSTALLATION & ASSEMBLY INSTRUCTIONS (CONT.)

Frame Lock, Sash Lock, and Foam Seal Installation

MOUNTING HARDWARE		Qty
	3/4” Screws	4
	1/2” Screws	3
	Frame Lock	2
	Sash Lock	1

Tools Needed:
Phillips Head Screw Driver
Drill (if plot holes are needed)

1. Place the frame lock between the extended accordion panels and the window sill as shown in FIG. 9. Screw a 3/4" (19 mm) locking screw through the frame lock and into the window sill. (FIG. 10)


FIG. 9


FIG. 10

2. Drive 1/2” screws into the top of the accordion panel frame and the top rail to securely attach the window air conditioner to the lower sash. (See FIG. 11/12)


FIG. 11

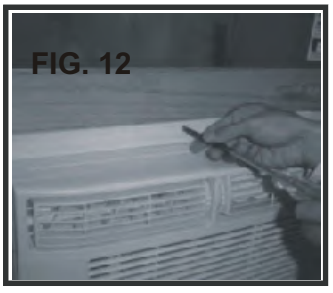


FIG. 12

3. To secure the lower sash into place, use the sash lock and a 3/4” screw as shown below. (See FIG. 13)


FIG. 13

4. For added insulation, cut the supplied insulation foam to the width of the window. Insert the foam between the window sashes to prevent outside air and object from getting into the room. (See FIG. 14)

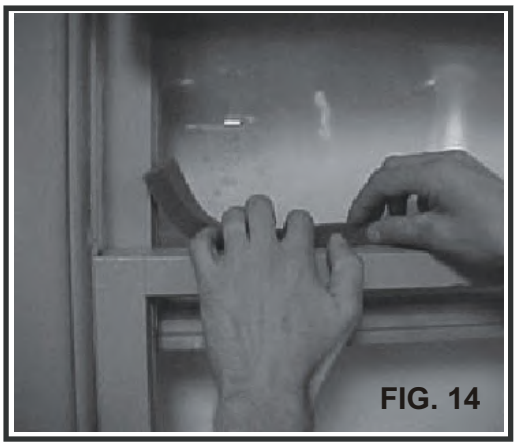


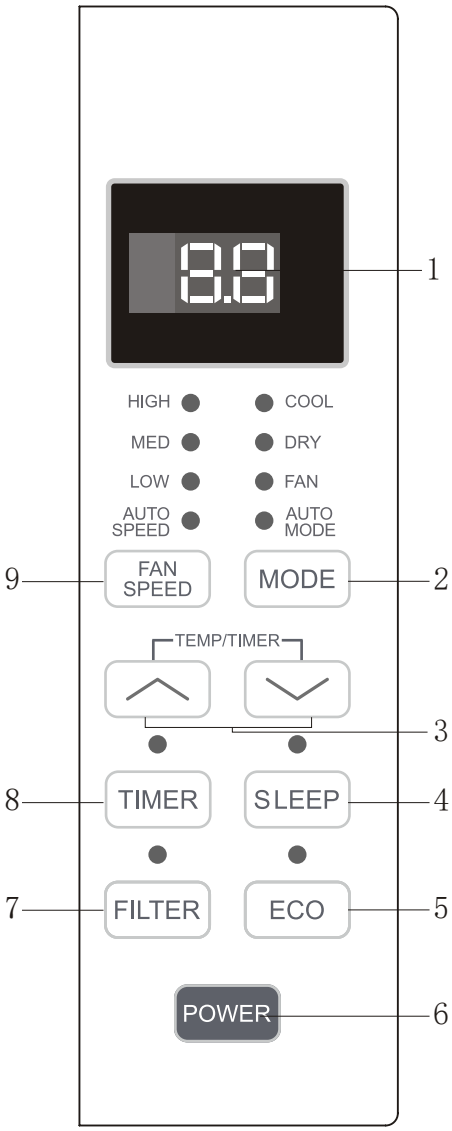
FIG. 14

Removing the Air Conditioner from the Window

1. Turn the air conditioner off and disconnect the power cord.
2. Remove the sash seal from between windows and unscrew sash lock.
3. Remove the screws installed through the frame and frame lock.
4. Slide the side panels out of the frame.
5. Keeping a firm grip on the air conditioner, raise the sash and carefully tilt the air conditioner backwards to drain any condensate water in the base of the unit. Be careful not to spill any remaining water while lifting the unit from window.
6. Store parts WITH the air conditioner in the original box or in an area with low humidity.

USING YOUR AIR CONDITIONER

Manual Control Panel



Air Conditioner Controls

Normal Operating Sounds

- You may hear a pinging noise caused by water hitting the condenser on rainy days, or when the humidity is high. The design features help 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.

1. **Digital Display:** Shows the set temperature. Operation modes are: Cool, Dry, Fan, and Auto. Time is displayed using the timer setting.

2. **Mode Button:** Press the mode button to cycle through the various modes: Cool, Dry, Fan and Auto.

   Cool Mode: The cooling function allows the air conditioner to cool the room and at the same time reduces humidity. Press the MODE button to activate the cooling function. To optimize this function, adjust the temperature by pressing the up and down arrows and the speed by pressing the Fan Speed button.

   Dry Mode: This function reduces the humidity of the air to make the room more comfortable. Press MODE button to set the DRY mode.

   Fan Mode: This mode will only circulate the air. Press MODE button to select FAN MODE. Pressing the FAN SPEED button allows you to change the fan speed setting from HI, MED and LO. If using the remote control, it will store the fan speed setting from the most previous use.

   Auto Mode: In AUTO mode the unit automatically chooses the fan speed and the mode of operation (COOL, DRY or FAN). In this mode the fan speed and temperature are set automatically according to the room temperature (Room temperature is determined by the temperature sensor located in the unit.)

3. **∧ and ∨ Button:** Use these buttons on the control panel and remote to increase or decrease the Set Temperature or Timer. Temperature range is between 61°F and 88°F (16°C-31°C).

4. **Sleep Button:** Press the SLEEP button, all of the display lights will turn off after a while, but the sleep light is always on. In the mode, the air conditioner will automatically adjust the temperature and fan speed to make the room more comfortable during the night. The set temperature will automatically change every 30-60 minutes and at most change six times until the set temperature is 81 or 82°F.

5. **Eco Button:** When the unit is in ECO mode, the light will turn on. In ECO mode, the unit will turn off once the room is cooled to the user-set temperature.
   The unit will turn back on when the room temperature rises above the user-set temperature. Before the compressor starts, the fan motor will run for a while, then it will stop for a while, and will repeat to provide a much more comfortable feeling and save energy.

6. **Power Button:** Turn the air conditioner on and off.

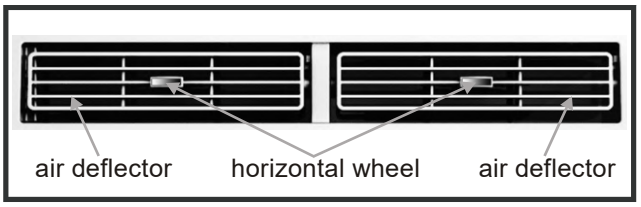
7. **Filter Button:** When the Filter Check light is off, it is not necessary to press the Filter Check button. When the Filter Check light is on, you can turn off the light by pressing the Filter Check button. After the fan motor works for 500 total hours, the Filter Check light will turn on to remind the user to clean the filter.

8. **Timer Button:** Use these buttons on the control panel and remote to set the Timer.
   Timer Off: The timed stop is programmed by pressing TIMER button. Set the rest time by pressing the button "∧" or "∨" until the rest time displayed is to your demand then press TIMER button again.
   Timer On: When the unit is off, press TIMER button at the first time, set the temperature with pressing the button "∧" or "∨". Press TIMER button at the second time, set the rest time with pressing the button "∧" or "∨". Press TIMER button at the third time, confirm the setting, then it will show on the display.

   Note: It can be set to automatically turn off or on in 0.5-24 hours. Each press of the "∧" "∨" buttons will increase or decrease the timer. The Timer can be set in 0.5 hours increment below 10 hours and 1 hour increment for 10 hours or above. The SET light will turn on while setting.
   To cancel the set function, press the TIMER button again.

9. **Fan Speed Button:** Press the FAN SPEED button to select the fan speed. In COOL MODE you can choose the following settings: HI, MED, LO, or AUTO. In Fan MODE you can choose from HI, MED, and LO.

10. **Directional Louvers:** Use the horizontal wheels to control horizontal airflow and the air deflectors to control vertical airflow.



USING YOUR REMOTE CONTROL

REMOTE CONTROL

1. **Power:** Turn the air conditioner on and off.

2. **Cool:** Press the COOL button to COOL mode.

3. **∧ and ∨ :** Use these buttons on the control panel and remote to increase or decrease the Set Temperature or Timer. Temperature range: 61℉~88℉ or 16℃~31℃.

4. **Sleep:** Press the SLEEP button, all of the display lights will turn off after a while, but the Sleep light is always on. In SLEEP mode, the air-conditioner will automatically adjust the temperature and fan speed to make the room more comfortable during the night. The set temperature will automatically raise every 30-60 minutes and at most change six times until the set temperature is 81 or 82℉.

5. **Timer:** Use these buttons on the control panel and remote to set the Timer.
   Timer Off: The timed stop is programmed by pressing TIMER button. Set the rest time by pressing the button "∧" or "∨" until the rest time displayed is to your demand then press TIMER button again.
   Timer On: When the unit is off, press TIMER button at the first time, set the temperature with pressing the button or "∧". Press "∨" TIMER button at the second time, set the rest time with pressing the button or "∧". Press "∨" TIMER button at the third time, confirm the setting, then the rest time to next automatical switching-on could be read on the display of the machine.
   Note: It can be set to automatically turn off or on in 0.5-24 hours. Each press of the "∧" "∨" buttons will increase or decrease the timer. The Timer can be set in 0.5 hours increment below 10 hours and 1 hour increment for 10 hours or above. The SET light will turn on while setting. To cancel the set function, press the TIMER button again.

6. **Auto Mode:** In AUTO mode the unit automatically chooses the mode of operation(COOL,DRY or FAN). In this mode the temperature will be set automatically according to the room temperature (tested by the temperature sensor which is incorporated in the indoor unit.).

7. **Fan Speed:** Press the FAN SPEED button to choose the fan speed options. You can choose Hi, Med, Lo or auto speed in COOL mode and choose Hi, Med, Lo in FAN mode.

8. **Display:** To press the DISPLAY button, it can switch off/on all lights or LED display.

9. **Eco:** When the unit is in ECO mode, the light will turn on. In ECO mode, the unit will turn off once the room is cooled to the user set temperature. The unit will turn back on when the room temperature rises above the user set temperature. Before the compressor starts, the fan motor will run for a while, then it will stop for a while, and will repeat to provide a much more comfortable feeling and save energy.

10. **Fan Only:** Press the Fan Only button to FAN ONLY mode.

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

CARE AND MAINTENANCE

Clean your air conditioner to keep it looking new, minimize dust build up and for optimal performance.

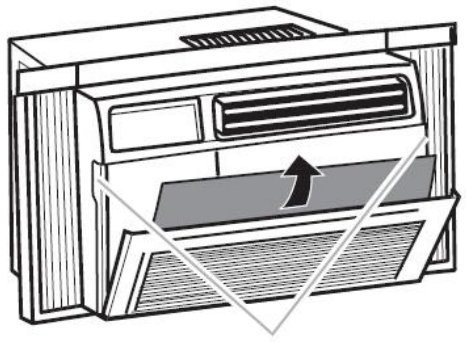
Air Filter Cleaning

The air filter should be checked at least once a 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, power the unit off and:

1. Remove the filter by pulling down on the indents of the filter door on the front of the unit. (See FIG.15)
2. Wash the filter using liquid dish soap or mild detergent and warm water. Rinse the filter thoroughly. Gently shake the filter to remove excess water.
3. Let the filter dry completely before placing it into the air conditioner.

FIG. 15



A. Indents

NOTE:

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 help prevent the compressor from overheating and the circuit breaker from tripping.

Cabinet Cleaning

To clean the air conditioner cabinet:

- Power off and unplug the air conditioner to prevent shock or fire hazard. The cabinet and front panel of the air conditioner may be dusted with an oil-free cloth or wiped down with a damp cloth in a solution of warm water and mild liquid soap. Rinse thoroughly with a damp cloth and wipe dry.
- Never use harsh cleaner, wax or polish on the front of the cabinet.
- 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. Remove the batteries from the remote before storing.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The Air Conditioner will not start.	The air conditioner is unplugged.	• Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	• Check that there is no damage to the plug fuse / circuit breaker box and replace the fuse or reset the breaker.
	Power failure.	• The unit will automatically re-start 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 current interrupter device is tripped.	• 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.	• Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temperature setting may not be set correctly.	• Lower the set thermostat temperature.
	The air filter is dirty.	• Clean the filter. See the Cleaning and Care Section of the manual.
	The room may be too warm.	• Please allow time for the room to cool down after turning on the air conditioner.
	Cold air is escaping.	• Check for open furnace registers and cold air returns.
	The cooling coils are frozen.	• See "The Air Conditioner is Freezing Up" below.
The Air Conditioner is freezing up.	Ice blocks the air flow and stops the air conditioner from cooling the room.	• Set the MODE dial to HIGH FAN or HIGH COOL and set the thermostat to a higher temperature.
The Remote Control is not working.	The batteries are inserted incorrectly. The batteries may be dead.	• Check the position of the batteries. • Replace the batteries.

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

TROUBLESHOOTING (CONT.)

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Water is dripping outside .	Hot and humid weather.	• This is normal.
Water is dripping inside the room.	The air conditioner is not correctly pitched towards the outside.	• For proper water drainage, make sure the air conditioner is slightly pitched downwards from the front of the unit to the rear (Refer to installation instructions).
Water collects in the base pan.	Moisture removed from the air is draining into the base pan.	• This is normal for a short period in areas with low humidity and normal for a longer period in areas with high humidity.

NOTE

A highly recommended troubleshoot for any issue in general consists of turning off unit and unplugging for 5 minutes. It is also recommended to try another wall outlet. For further assistance, contact Consumer Services at 888-433-6254 or 888-4DENALI.