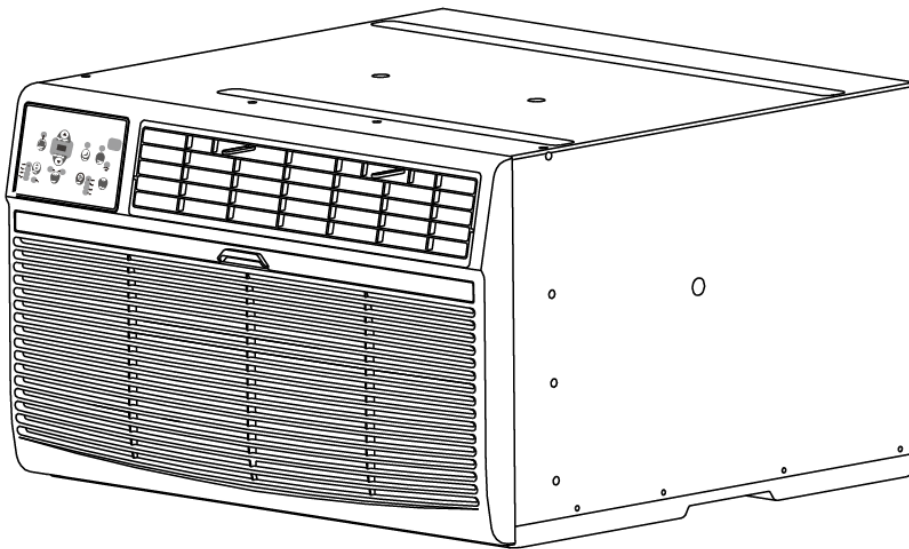




# Through The Wall Air Conditioner



## Models:

**WTC8002WCO**

**WTC10002WCO115V**

**WTC12002WCO115V**

**WTC10012WCO230V**

**WTC12012WCO230V**

**WTC14012WCO230V**

## Owner's Manual

*For more information on other great Koldfront products on the web, go to [www.koldfront.com](http://www.koldfront.com)  
To use the self-diagnostic tool, go to <https://support.edgestar.com>*

# Important Safety Information



**Warning:** The water produced by the window AC is not potable or suitable for drinking.  
**Do not** drink the water drained from the unit as it contains contaminants and could make you sick.

Improper handling can cause serious damage to the appliance and/or to the user. Please read the following safety information.

## Electrical Safety

- Make sure your hands are dry and not wet before operating the unit.
- Do not wet the front housing or control panel.
- Do not directly spray water on this Air Conditioner.
- Do not pull the unit by the cord.
- Always turn the unit off and unplug it from the socket when cleaning.
- Unplug the unit if it is not going to be used for a long period of time.
- Do not operate the unit with a damaged or loose plug and / or socket.
- Use only the correct power supply with appropriate amperage.
- If the power cord is damaged, it must be replaced by the manufacturer, a service agent, or qualified technician.
- Do not turn the unit off or on by inserting or pulling the power plug.
- Do not modify the power cord length or share the outlet with another appliance.
- Do not use this unit with an extension cord and/or adapter plug.
- Do not use this unit near flammable gases/combustibles or in close proximity to heating appliances.
- During operation do not remove any part of the outside casing.

## General Safety

- Do not let people or pets sit or set an object directly in front of air flow.
- If a strange sound, smell, or smoke comes from the unit, turn it off and review the troubleshooting page of this manual.
- Stop operation and unplug unit in the event of a severe storm.
- To ensure proper air flow and intake, make sure the air vents are not obstructed.
- See instructions for cleaning air filters and how often cleaning should occur.
- Do not use strong detergents when cleaning.
- Children should be supervised when operating this unit.
- Do not allow children to play with the controls or drop any objects into the air outlets or vents.
- Do not place objects or let any person sit on top of the unit.
- Route the power cord carefully to avoid a tripping hazard.
- This unit is intended for domestic home use only. Do not use the air conditioner for commercial or industrial use. Any other use may invalidate the warranty.
- Use caution when unpacking and installing the unit as there may be some sharp edges.

## Operation of Safety Plug



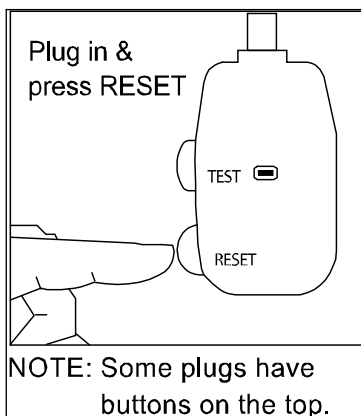
**Note:** Electrical products should not be disposed of with household waste. Please contact your local recycling center for more information on how to recycle electronic waste.



Your air conditioner is supplied with a Leakage-Current Detection and Interruption (LCDI) safety plug. This device provides protection to reduce the risk of fire due to arcing faults in the power supply cord. Before using your air conditioner, follow the instructions below to ensure that the LCDI plug is working properly:

1. Plug the power cord into a grounded outlet.
2. Press the TEST button on the LCDI plug. This should trip the plug and cut the power to the air conditioner. If the plug does not trip and you are able to turn on the unit, please contact EdgeStar support.

**DO NOT USE YOUR AIR CONDITIONER IF THE TEST FAILS.**



3. Press the RESET button to start using your air conditioner.



### Notes:

- Always make sure the “Reset” button is pushed in for proper operation.
- The power supply cord with LCDI plug must be replaced if it fails to reset.
- Do not use the TEST and RESET buttons as an ON/OFF switch.
- Please refer to the Specifications section of this document for additional information on the correct LCDI Plug Type for your model.

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# Introduction

Thank you for purchasing this Koldfront by EdgeStar air conditioner. We hope that this purchase will be the beginning of a lasting and rewarding relationship between you and EdgeStar. We will provide the customer support and exemplary products necessary to nurture that relationship.

This manual contains important information regarding the proper installation, use and maintenance of your air conditioner. Following this manual will ensure that your product will work at its peak performance, efficiency, and safety.

Please save the original product packaging in case you need to safely transport your air conditioner.

## For Your Records:

Please write down the model number and serial number below for future reference. Both numbers are located on the ratings label on the back of your unit and are needed to obtain warranty service. You may also want to staple your receipt to this manual as it is the proof of your purchase, and is also needed for service under your warranty.

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

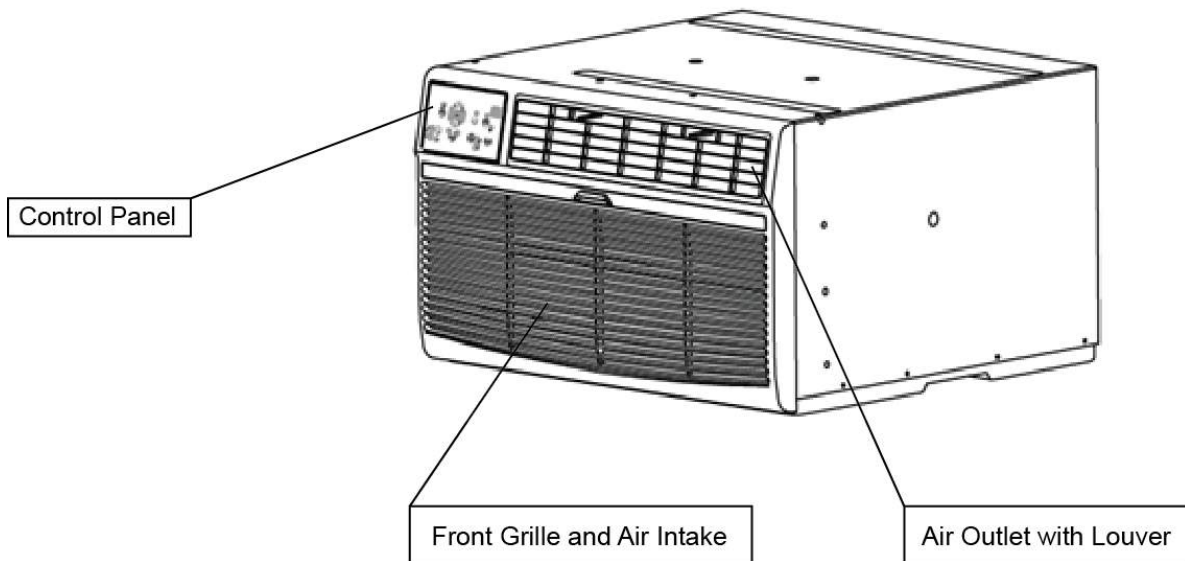
Date of Purchase: \_\_\_\_\_

For a more efficient experience, please do the following before contacting customer service:

- If you received a damaged product, immediately contact the dealer that sold you the product.
- Read and follow this instruction manual carefully to help you install, use and maintain your air conditioner.
- Read the troubleshooting section of this manual as it will help you diagnose and solve common issues.
- Visit us on the web at [www.koldfront.com](http://www.koldfront.com) for product guides, additional troubleshooting resources and up-to-date information. You can also find an interactive self-diagnostic tool at <https://support.edgestar.com>. If you need service, our friendly customer service representatives are available via email at [service@koldfront.com](mailto:service@koldfront.com).

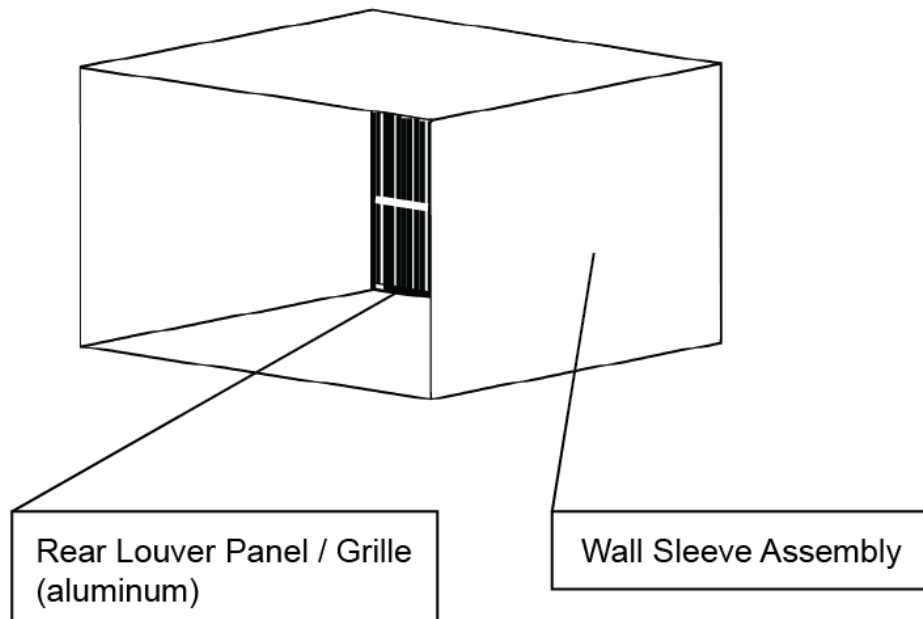
# Parts Identification

## *Air Conditioner Unit*



## *Wall Sleeve*

(purchased or provided separately)



## Preparations for Installation



**Note:** You may need to contact an electrician if your room's circuit is not able to power your unit.



**Note:** To avoid risk of injury and/or product/property damage, please take the following precautions:

- Two or more people are needed to properly handle and install.
- Use proper lifting and carrying techniques.
- Before installation, make sure to inspect the window and sill to ensure they are able to handle the weight and size of this unit.
- Wearing protective gloves will help to avoid injury from sharp edges.

Before you begin, make sure you have all the parts and tools necessary for installation.

### **Tools You May Need:**

• Flat Screwdriver or Putty Knife • Phillips Screwdriver • Tape Measure • Level • Drill

### **Parts Supplied:**

The parts below are intended to be used in conjunction with a Koldfront branded Wall Sleeve.

Part Name	Size	Qty Included
Horizontal Insulation Seals	1" x 3/8" x 25"	1
Vertical Insulation Seals	1" x 3/8" x 14"	2
Horizontal Insulation Seals	1" x 3/4" x 14"	2
Foam Support Blocks	1" x 1 1/2" x 14"	2
Tapered Support Blocks	1" x 1" x 17" (tapered to 3/4")	2
Main Insulating Seal (stuffer seal)	1" x 1 1/2" x 84"	1
Trim Frame (sides)		2
Trim Frame (top / bottom)		2
Ground Wire (green)		1
Toothed washers for grounding screw		2
Grounding Screw		1
Rear Louver Panel / Grille (aluminum)		1
Nuts (plastic)		4
Washers (for screws)		4
Screws		4

Additional and/or duplicate parts noted below have been included to allow for installation into non-Koldfront branded Wall Sleeves or to accommodate non-standard installation scenarios. Any unused parts may be discarded at your discretion.

Part Name	Size	Qty Included
Centering / Support Blocks	4 1/2" x 3 1/2" x 1 1/2"	4
Plastic Divider	1/8" x 4 1/2" x 14 1/2" x	2
Horizontal Insulation Seals	1" x 3/8" x 25"	2



# Installation Instructions



**Note:** When choosing your window make sure power supply cord is within 4 feet of a grounded 3-prong outlet.

## ***Basic Installation Steps***

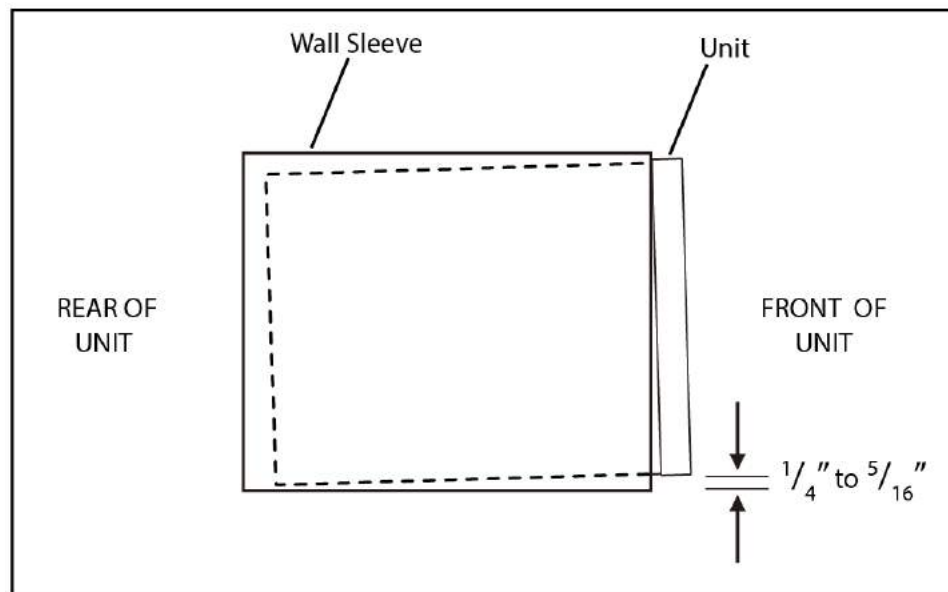
- Prepare Wall Sleeve
- Install rear Louver Panel / Grille into Wall Sleeve
- Attach Seals inside wall sleeve
- Prepare grounding wire
- Insert Air Conditioner Unit into Wall Sleeve and attach Ground Wire
- Insert Main Seal
- Attach Front Frame pieces

## ***Before Getting Started***

Your Koldfront though the wall air conditioner is designed to be installed in conjunction with a wall sleeve. If you are installing your new Koldfront air conditioner into an existing wall sleeve, please check to confirm that the wall sleeve is in sound structural condition and that is sized appropriately to accommodate your Koldfront air conditioner. For reference, your new Koldfront Air Conditioner is 24  $\frac{1}{4}$ " X 20  $\frac{3}{8}$ " X 14  $\frac{1}{2}$ "



**Important:** When installation is complete, the unit **MUST** have a rearward slope as shown in the image below to ensure proper drainage. This is accomplished by using the Tapered Support Blocks as noted in the "Attach Seals" section on page 7.



## Preparing the Wall Sleeve

Your Koldfront Through The Wall Air Conditioner unit is intended to be installed into a compatible wall sleeve enclosure. A wall sleeve provides the proper support and enclosure for your air conditioner and allows for the wall opening to be properly sealed prior to final installation.



**Note:** The Koldfront Through the Wall Air Conditioner Sleeve (Model: WTCSLV) is designed specifically for Koldfront's line of through the wall air conditioners and can be purchased at [www.edgestar.com](http://www.edgestar.com).

To properly install your new Koldfront Through The Wall Air Conditioner into a wall sleeve, it is required that you use the Rear Louver Panel / Grille that was shipped with your new air conditioning unit. This will ensure proper air flow from the back of the unit. If your installation utilizes a previously installed wall sleeve, please replace the Rear Louver Panel / Grille with the one provided with your new air conditioner.

### Install Rear Louver Panel / Grille into NEW Wall Sleeve

Assemble and install your new wall sleeve according to the manufacturer's instructions. Basic instructions are as follows:

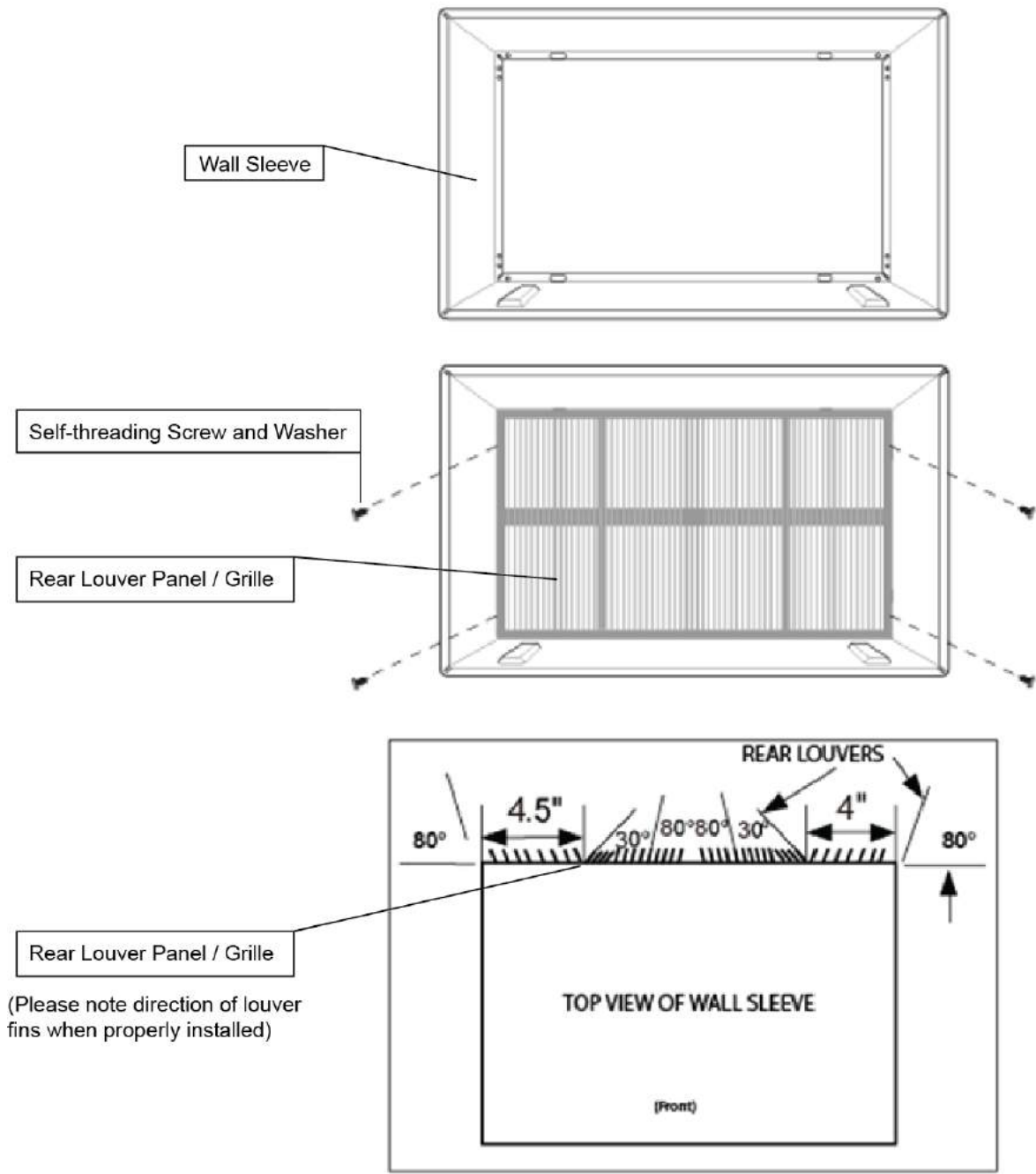
1. Prepare and install the new wall sleeve according to the manufacturer's instructions. Ensure that the wall sleeve is properly fastened to the wall a minimum of 4" from any heating source and that high-grade sealant / caulking has been used to prevent air and water infiltration.
2. Place the Rear Louver Panel / Grille included with your new air conditioner towards the rear of the sleeve.
3. Mark the mounting hole positions.
4. Drill through the sleeves flanges with a 1/8" drill bit.
5. Attach the Rear Louver Panel / Grille included with your new air conditioner unit with self-threading screws and washers. (See following page.)

### Preparation of Previously Installed Wall Sleeve

To install the rear louver panel / grille provided with your new air conditioner unit into an existing wall sleeve installation:

1. Remove the existing Rear Louver Panel / Grille.
2. Clean the interior and exterior of the wall sleeve and verify that all seals are in proper condition. Replace seals if needed with the seals that have been provided with this unit.
3. Place the Rear Louver Panel / Grille included with your new air conditioner towards the rear of the sleeve.
4. Mark the mounting hole positions.
5. Drill through the sleeves flanges with a 1/8" drill bit.
6. Attach the Rear Louver Panel / Grille included with your new air conditioner unit with the provided self-threading screws and washers. (See following page.)
7. Most existing decorative exterior grilles may be left in place as long as the proper interior air direction grille is installed.

## Rear Louver Panel / Grille Installation into Wall Sleeve Diagram



**Important:** Please ensure that the Rear Louver Panel / Grille is installed correctly to ensure proper airflow and performance. Please note the direction and alignment of the louvered fins.

*Also, please note that when aligned as instructed above, the holes in the louver panel / grille will properly line up to the holes in the Koldfront wall sleeve.*

If you are unable to secure the Rear Panel Louver / Grille to the wall sleeve, it may be attached directly to the rear of the air conditioning unit. Please see the "Alternate and Supplemental Installation Instructions" section on page 11.

## Attach Seals and Support Blocks to Wall Sleeve

With the wall sleeve properly assembled, it is now time to prepare the wall sleeve enclosure for the air conditioner unit. The process involves positioning seals and foam support blocks inside of the wall sleeve enclosure in order to enable a proper fit for the air conditioning unit.

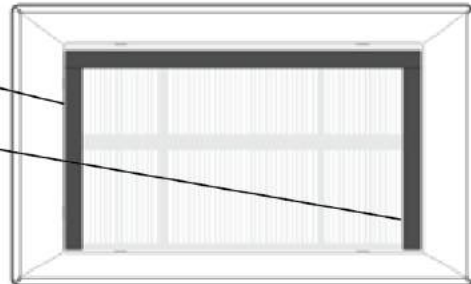


**Important:** The below instructions are to be used in conjunction with the Koldfront Wall Sleeve model WTCSLV. Instructions for other compatible wall sleeves can be found in the “Alternate and Supplemental Installation Instructions” section on page 11.

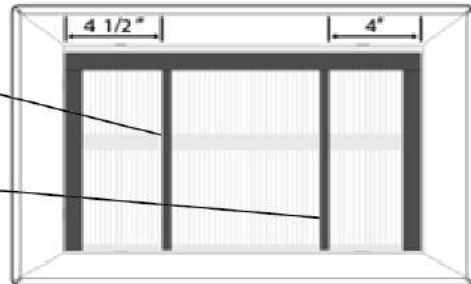
1. Attach 1 (one) - 1" X  $\frac{3}{8}$ " X 25" Horizontal Insulation Seal as indicated.



2. Attach 2 (two) - 1" X  $\frac{3}{8}$ " X 14" Vertical Insulation Seals as indicated.



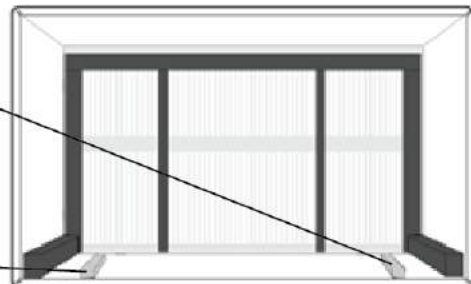
3. Attach 2 (two) - 1" X  $\frac{3}{4}$ " X 14" Horizontal Insulation Seals as indicated. (Attach 4 1/2" from left side and 4" from right side.)



4. Attach 2 (two) - 1" X 1 1/2" X 14" Foam Support Blocks as indicated.



5. Attach 2 (two) - 1" X 1" X 17" Tapered Support Blocks as indicated.  
*Note: The tapered support blocks are sloped from 1" at the front down to 3/4" on the back. Please attach accordingly to allow for the unit to have a slight rearward slant when installed. This will help ensure proper drainage.*



## Prepare Ground Wire

To properly ground the air conditioner unit, the ground wire must be secured to the frame of the wall sleeve. When the air conditioner unit is placed inside of the wall sleeve, this ground wire will be attached to the air conditioner frame to allow for proper grounding of the air conditioner unit.

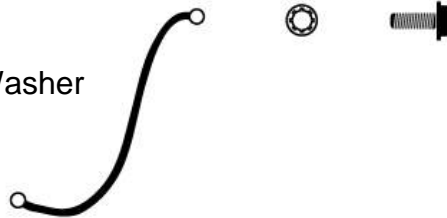


**Note:** This step *may* require the use of a drill with a 1/8" drill bit. If your wall sleeve has been previously installed, there may be no requirement to drill a new hole for the grounding screw. If using the Koldfront wall sleeve (model WTCSLV), the hole should be pre-drilled for you.

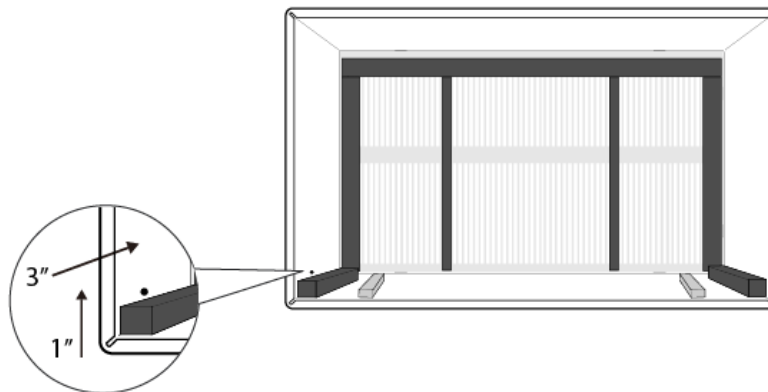
Also, please note that additional fastener types may have been included and may be used to suit your particular installation setup.

1. Locate the following parts:

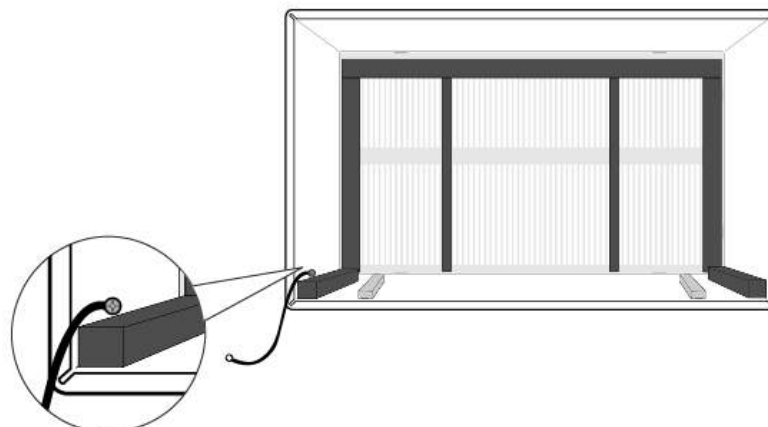
- Grounding Screw (1)
- Toothed Grounding Screw Washer
- Ground Wire



2. As needed, use a drill and 1/8" bit to drill a hole for the grounding screw. The hole needs to be approximately 1" from the bottom and 3" from the front edge of the wall sleeve on the left side.



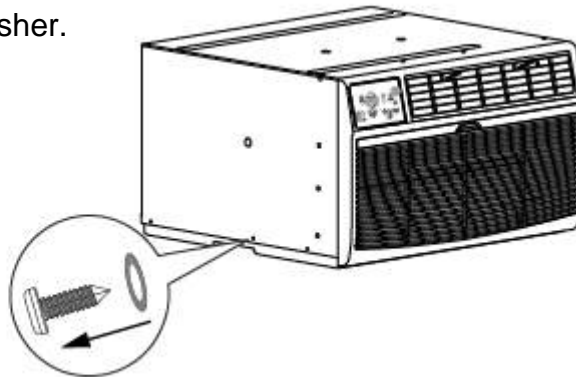
3. Attach one end of ground wire using 1 (one) Toothed Washer and 1 (one) Grounding Screw.



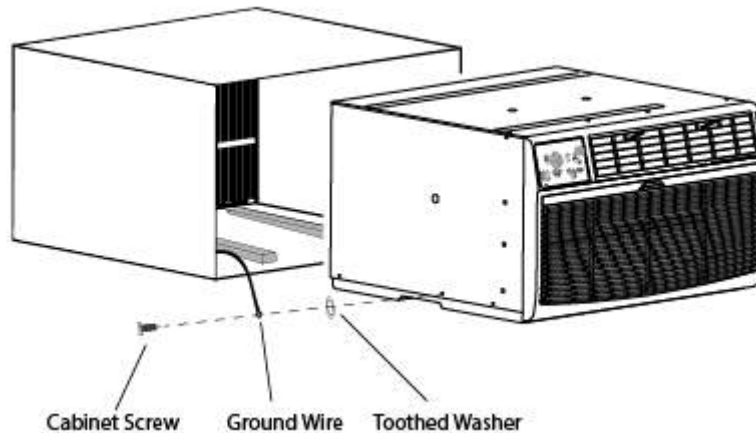
## Install Air Conditioner Unit into Wall Sleeve

With the wall sleeve fully prepared, you are now ready to insert the air conditioner unit into the wall sleeve. Two or more people may be required for this step.

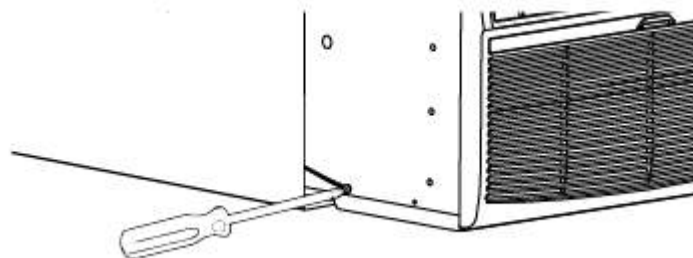
1. Remove the cabinet screw on the left lower side of the air conditioner cabinet. Set aside and/or discard the plastic washer.



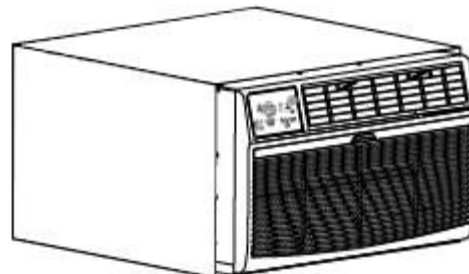
2. The ground wire will be attached to the air conditioner cabinet using the screw you just removed along with a Toothed Washer.



3. Gently slide the air conditioner cabinet into the Wall Sleeve. With the cabinet screw hole still exposed, attach the ground wire to the cabinet using the cabinet screw making sure that the Toothed Grounding Screw Washer is pressed against the cabinet.



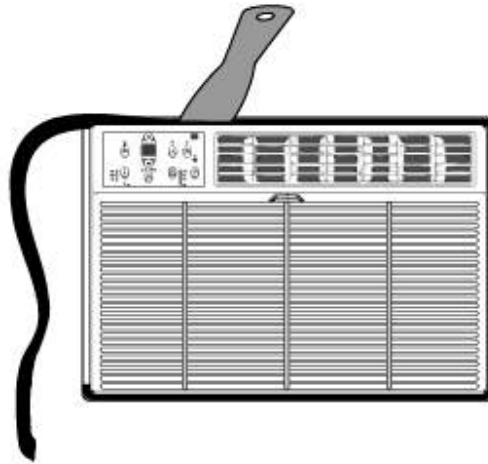
4. Slide air conditioner completely to the rear of the wall sleeve unit ensuring that all seals and foam support blocks create snug fit for the unit. Please be sure that the ground wire does not become entangled when the unit is pushed back into the wall sleeve.



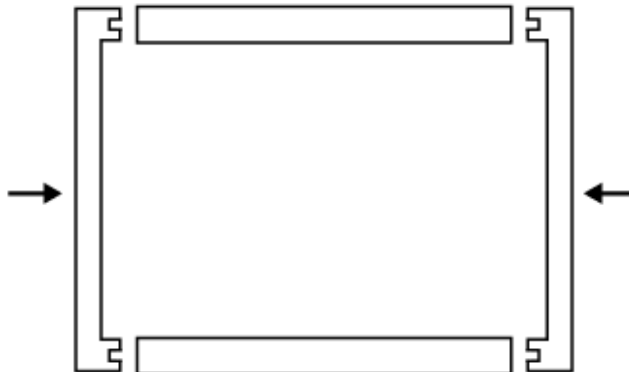
## Completing Installation

With the air conditioner installed into the Wall Sleeve and the ground wire properly attached, it is time to complete installation by inserting the Main Insulating Seal (stuffer seal) and attaching the Trim Frame.

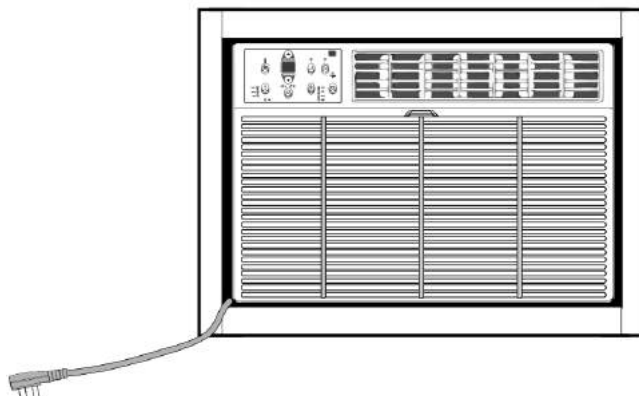
1. Locate the Main Insulating Seal (stuffer seal) included with the installation kit. This is the longest seal and measures 1" X 1 1/2" X 84". Using a putty knife or flathead screwdriver, insert the seal into the gap between the air conditioner cabinet and the Wall Sleeve frame. Trim seal as needed.



2. Locate the 4 (four) trim kit components that were packaged with your installation kit. Snap the pieces together as shown in the image below.



3. Pull the power cord through the Trim Kit frame and then slide the Trim Kit Frame over the unit until it is flush with the wall.



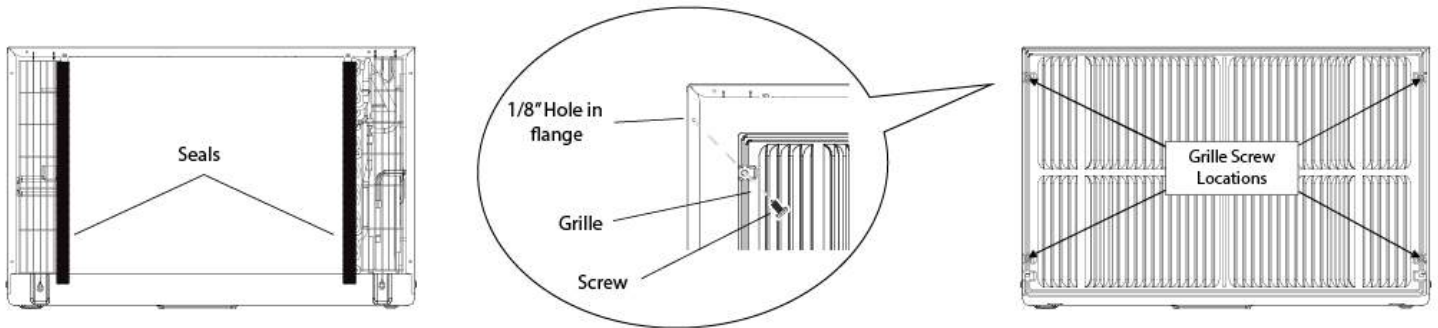
## Alternate and Supplemental Installation Instructions

The below instructions may be referenced for scenarios in which the standard installation procedures cannot be followed.

### Install Rear Louver Panel / Grille Directly on Back of Air Conditioner

If your installation scenario does not allow you to attach the Rear Louver Panel / Grille to the Wall Sleeve you may carefully secure the Panel directly to the rear of the Air Conditioner unit.

1. Attach the 1" x  $\frac{3}{8}$ " x 14" seal pieces.
2. Position the Grille over the rear of the air conditioner ensuring that:
  - The double set of screw holes are on the bottom.
  - The Grille fins are pointed away from the unit.
3. Align the top of the Grille with the top of the air conditioner unit.
  - Holes should be pre-drilled, but if required, carefully pre-drill 4 (four)  $\frac{1}{8}$ " holes through the Grille and into the side flange of the air conditioner cabinet frame approximately 1  $\frac{1}{2}$ " – 2" from the top and bottom.
4. Attach the Grille to the unit with 4 (four) self-tapping screws.
5. Install the unit into the sleeve.



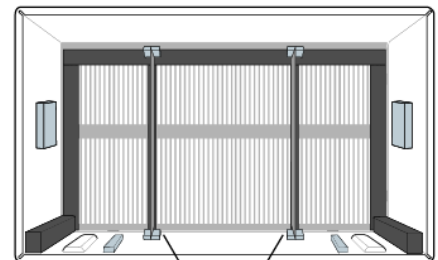
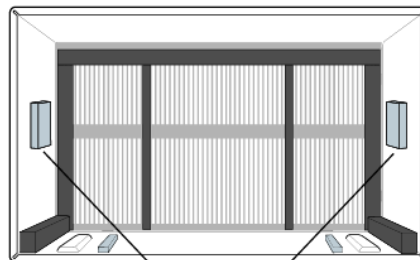
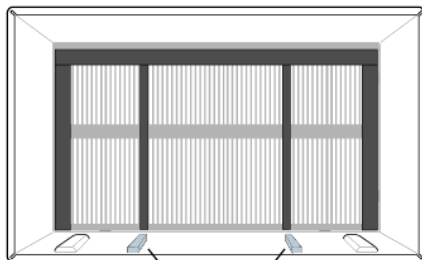
### Non-Koldfront Wall Sleeve Types

The below diagrams may be used as a reference when installing your Koldfront Through The Wall Air Conditioner into a non-Koldfront branded Wall Sleeve. Regardless of brand, please ensure that your wall sleeve is securely installed into the wall opening and is properly sealed. Additionally, as noted previously, please ensure that your air conditioner is installed with a slight rearward tilt to allow for proper drainage.

GE / Hotpoint (16  $\frac{7}{8}$ " Depth)  
Sears or Carrier (18  $\frac{5}{8}$ " Depth)  
Whirlpool (17  $\frac{1}{8}$ " Depth)

Emerson Wall Sleeve (15" Depth)  
Fedders (19  $\frac{3}{4}$ " Depth)  
Fedders or Freiderich (16  $\frac{3}{4}$ " Depth)

Whirlpool Wall Sleeve (23" Depth)  
Westinghouse or Frigidaire Wall Sleeve (22" Depth)



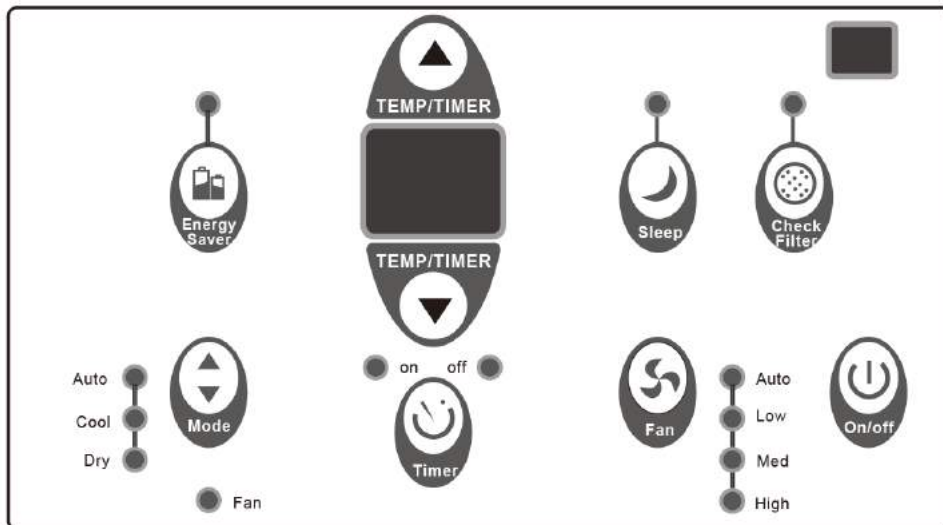
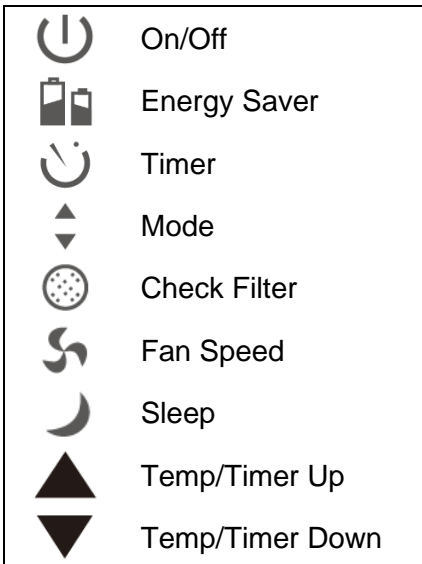
Tapered Support Blocks

Centering / Support Blocks

Plastic Dividers with Support Blocks



# Control Panel Operations




## Using the Control Panel

### To Turn Unit on:


Press the On/Off button .

Note-The Energy Saver feature will automatically turn on in “Cool”, “Dry”, and “Auto” mode.

### To Change Temperature:

Press or hold either the Up  or Down  button until the desired temperature is seen on the digital display. This temperature will be automatically maintained anywhere between 62 °F (17°C) and 86°F (30°C).


### To Adjust Fan Speeds:

To select the speed of the fan press Fan Speed button  which cycles through four steps- Auto, Low, Medium, or High. Each time the button is pressed the fan speed mode is shifted.



Note: During “Dry Mode” the fan speed is controlled at Low automatically.

## To Select Operating Mode:

To choose the operating mode press the Mode button . Each time you press the button a mode is selected in a sequence that goes from Auto, Cool, Dry, to Fan. The indicator light beside the Mode button will be illuminated and remain on once the mode is selected.

## To Operate in Auto Mode:

- When you set the unit to “Auto” mode it will automatically select Cooling or Fan Only operation depending on the temperature selected and the current room temperature.
- Once the temperature you selected is achieved the unit will automatically maintain the room temperature.
- In this mode the fan speed cannot be adjusted. It will start automatically at a speed calibrated to the actual room temperature.


## To Operate in Fan Only Mode:

- Use this function only when cooling is not desired, such as for room circulation or to exhaust air (remember to open the vent). You can choose any speed you prefer.
- During this function the display will show the actual room temperature as in the cooling mode.
- In Fan Only mode, the temperature is not adjusted.


## To Operate in Dry Mode:

In this mode, the air conditioner will operate as a dehumidifier. Because the conditioned space is closed or sealed, some degree of cooling will continue to occur.





## To Use Energy Saver Feature:

To start the Energy Saver, press the Energy Saver button . This feature is available on “Cool”, “Dry”, and “Auto”. The fan will continue to run for 3 minutes after the compressor shuts off. The fan then cycles on for 2 minutes at 10 minute intervals until the room temperature is above the set temperature, at which point the compressor turns back on and cooling starts.

## To Use the Sleep Feature:

To initiate, press the Sleep button . In this mode the selected temperature will increase (cooling) by 2°F (1°C) 30 minutes after the mode is selected. The temperature will then increase (cooling) by another 2°F (1°C) after an additional 30 minutes. This new temperature will be maintained for 6 hours before it returns to the originally selected temperature. This ends the Sleep mode and the unit will continue to operate as originally programmed. The Sleep Mode program can be cancelled at any time during operation by again pressing the Sleep button.

## To Use Timer (Auto Start/Stop) Feature:

- When the unit is on or off, press the Timer button  and the “Timer On” indicator light illuminates. It indicates that the Auto Start/Stop program is initiated.
- To switch to off press the Timer button  again and the “Timer Off” indicator light illuminates. It indicates that the Auto Stop program is initiated.
- Press or hold the Up  or Down  button to change the Auto Time by ½ hour increments up to 10 hours or 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The selected time will display for five (5) seconds and then will automatically revert back to display the previous temperature setting or room temperature when the unit is on. (Note- when the unit is off there is no display.)
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/Stop program.

## To Check Filter Feature:

This feature is a reminder to clean the Air Filter for more efficient operation. The LED light will illuminate after 250 hours of operation. To reset after cleaning the filter, simply press the

Check Filter button  and the light will go off.

## Digital Display:

Displays the set temperature in “C” or “F” and the Auto-Timer settings. While on Fan Only Mode it shows the room temperature.

## Error Codes

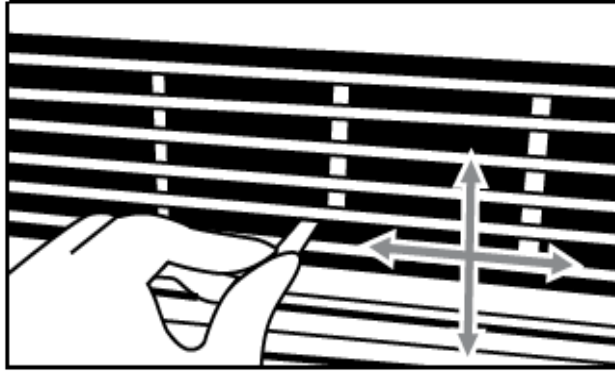
### AS- Room temperature sensor error

- Unplug the unit and plug back in.
- If error repeats call for service.
- In Fan only mode it will display “LO” or “HI”.

### ● - Evaporator temperature sensor error

- Unplug the unit and plug it back in.
- If error repeats, call for service.

## Air Directional Louvers:



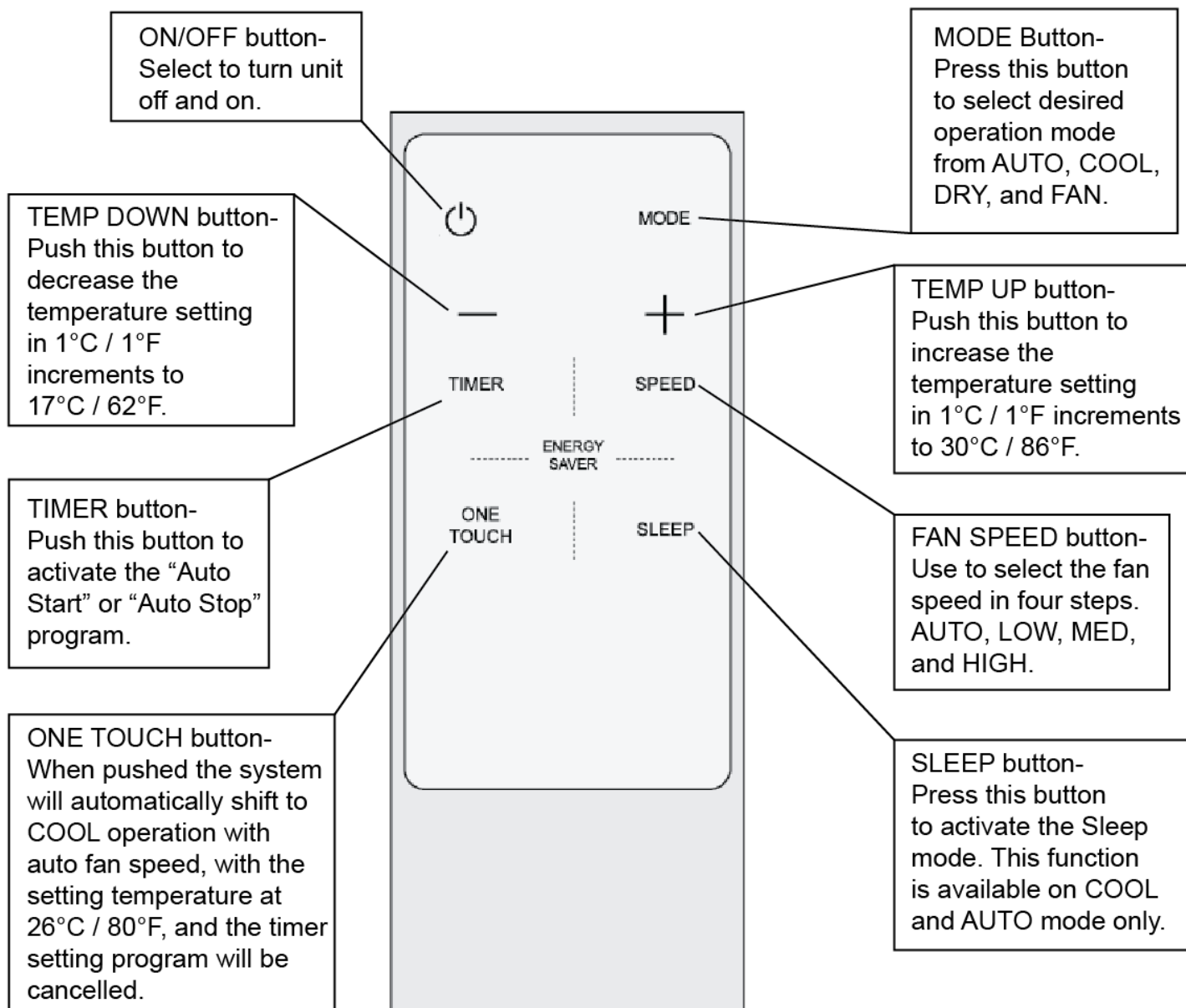
The 4-way air directional louvers allow you to direct the air flow Up, Down, Left, and Right throughout the room as needed. To adjust the air directional louvers side to side use the center handles as you move side to side. Pivot the louvers by pressing with your fingers until the desired airflow direction is obtained.

## Additional Tips:

The “Cool” mode has an automatic 3 minute timed delay start if the unit is turned off and on quickly. This prevents overheating of the compressor and possible circuit breaker tripping. The fan will continue to run during this time.

The control is capable of displaying the temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the Up and Down Temp/Timer buttons at the same time for 3 seconds.

## Remote Operations

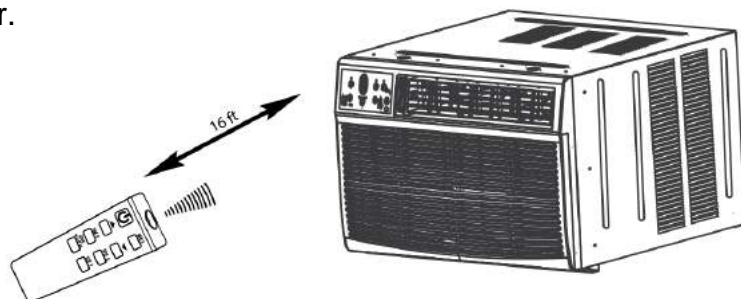


### **Warning:**

- This product contains a lithium button/coin cell battery which is a potential Chemical Burn Hazard. Keep away from children.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep away from children. If a new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as 2 hours. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- The cells should always be disposed of properly. Even used cells can cause injury.

## ***Additional Notes on Remote Operations***

- The remote control has an operating range of 16 ft from the appliance.
- The remote signal receiver/sensor is located on the control panel of the air conditioner.
- Reception of signal commands is confirmed by an audible beep.
- Direct sunlight can interfere with the infrared signal.
- To replace batteries, remove the back cover by pressing where indicated and sliding off the battery cover.



### **Important:**

- The air conditioner will not operate if curtains, doors, or other materials block the signals from the remote control to the unit.
- Do not expose the remote control to direct sunlight or heat or allow any liquid to fall onto it as this could adversely impact its performance.
- If the infrared receiver on the unit is exposed to direct sunlight, the unit may not function properly when operated by the remote control. Use the curtains to prevent sunlight from falling on the infrared receiver.
- If any other electrical appliances react to the remote control, move them away from your air conditioner.



### **Important:**

- This device complies with part 15 of the FCC Rules. Operation subject to the following two conditions: (1) This device may cause harmful interference to other devices, and (2) This device must accept any interference received, including interference that may cause undesired operation.
- 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

# Maintenance

Clean the air conditioner and filters regularly to maximize performance and efficiency, and prolong the unit's life. Be sure to always unplug the air conditioner from the power outlet before cleaning.

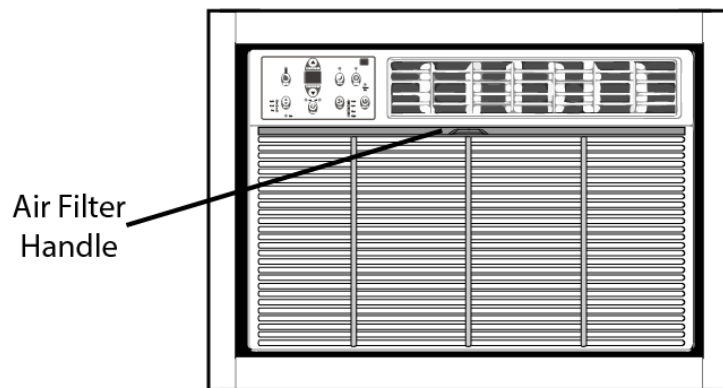
## ***Air Filter Cleaning***

The air filter should be checked at least once a month to see if cleaning is necessary. Trapped particles in the filter can build up, preventing proper air flow and potentially resulting in an accumulation of frost on the cooling coils. The air filter is located in a slot behind the Front Grille / Air Intake Panel.

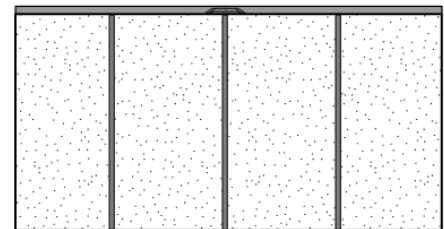
1. Find the Air Filter handle / tab, which is located at the top of the Front Grille
2. Grasp the filter with both hands and pull upward and outward.
3. Wash the filter using liquid dishwashing detergent and warm water. Rinse the filter thoroughly.
4. Gently shake excess water from the filter.
5. Be sure the filter is thoroughly dry before replacing it.
6. You may also *gently* clean the filter with a vacuum.
7. Re-insert the Air Filter.



**Warning:** Never use hot water over 40°C (104°F) to clean the air filter. Never attempt to operate the unit without the air filter.



Air Filter (installed)



Air Filter (removed)

## ***Cabinet Cleaning***

- Be sure to unplug the air conditioner to prevent shock or fire hazard. The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild dishwashing detergent. Rinse thoroughly 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.

## **Normal Sounds**

- High Pitched Chatter - High efficiency compressors may have a high pitched chatter during the cooling cycle.
- Sound of Rushing Air - At the front of the unit, you may hear the sound of rushing air being moved by the fan.
- Gurgle/Hiss - Gurgling or hissing noises may be caused by refrigerant passing through the evaporator during normal operation.
- Vibration - The unit may vibrate and make noise because of poor wall or window construction or incorrect installation.
- Pinging or Switching - Droplets of water hitting the condenser during normal operation may cause these sounds.

## **Energy Saving Guide**

Read and follow the guide below to get the best performance and efficiency from your air conditioner:

- Do not cover the air outlet (exhaust) while in use.
- Use the timer to operate the unit before it is needed. For example, set the timer to turn the unit on in cooling mode for 3 or more hours to cool the room before you arrive. You may want to operate the unit all day if you live in a warmer climate.
- Minimize the heat sources (direct sunlight, computers, servers, people, etc.) in the room.
- Close all windows and doors.
- Use the unit in a contained room. For example, a room with four walls and a ceiling, instead of a partitioned studio or warehouse.
- Make sure the unit is secure with no gaps where air can escape.
- Minimize the amount of humidity in the room. For example, run the unit as a dehumidifier.
- To prolong the compressor's life, please wait at least 3 minutes before turning the unit back on after shutting it off.
- Inspect and keep the air filters clean by cleaning regularly.
- Perform routine maintenance.



# Troubleshooting Tips

Follow the troubleshooting guide below to resolve common issues.

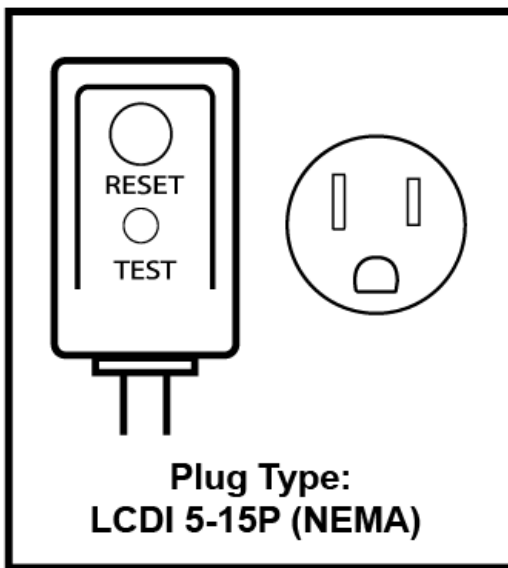
Issue	Possible Cause	Solution
My air conditioner is not functioning at all.	The wall plug is disconnected.	Make sure the unit is plugged in.
	The LCDI power cord is tripped.	Press the Reset button on the LCDI cord.
	The house fuse is blown or the circuit breaker is tripped.	Replace the fuse with a time delay type or reset circuit breaker.
	The control panel is off.	Turn the control panel ON and set it to your desired setting.
	There is insufficient power.	Move the unit to another outlet. Check your circuit breaker. (Refer to the rating label on the back of the unit to determine the Amperage draw).
The air from the unit does not feel cold enough.	The room temperature is below 17°C (62°F).	Cooling may not occur until the room temperature rises above 17°C (62°F).
	The temperature sensing element is touching the cold coil, located behind air filter.	Straighten the tube away from the coil.
	The compressor shut-off by changing modes.	Wait approximately 3 minutes and listen for the compressor to restart when it is set in the COOL mode.
The air conditioner is cooling but the room is too warm. Ice is forming on the cooling coil behind the decorative front.	The outdoor temperature is below 18°C (64°F).	To defrost the coil, set the unit to FAN ONLY mode.
	The air filter may be dirty.	Clean the filter. Refer to the maintenance section. To defrost set the unit to FAN ONLY mode.
	The thermostat is set too cold for night-time cooling.	To defrost the coil, set the unit to FAN ONLY mode. Then, set the temperature to a higher setting.
The air conditioner is cooling but the room is too warm. NO ice is forming on the cooling coil behind the decorative front.	The air filter is dirty and the air is restricted.	Clean the air filter. Refer to the maintenance section.
	The temperature is set too high.	Set the temperature to a lower setting.
	The air directional louvers are positioned improperly.	Position the louvers for better air distribution.

## Troubleshooting Tips Continued...

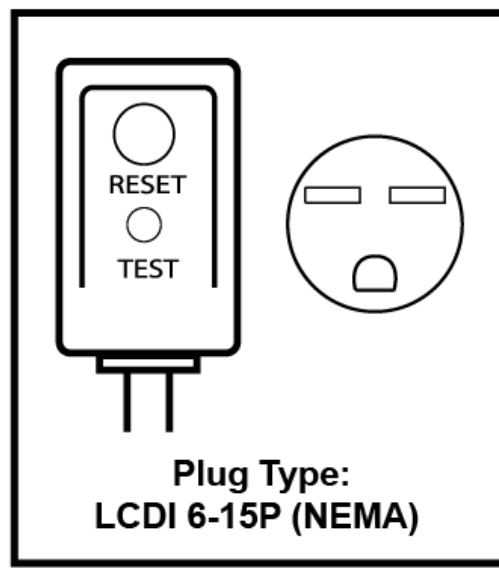
<b>Issue</b>	<b>Possible Cause</b>	<b>Solution</b>
The air conditioner is cooling but the room is too warm. NO ice is forming on the cooling coil behind the decorative front.	The front of the unit is blocked by drapes, blinds, furniture, or other objects that restrict air distribution.	Clear any blockage in front of the unit.
	There are open doors, windows, etc.	When entrances are open cold air escapes. Close doors, windows, etc.
	The unit was recently turned on in a hot room.	Allow additional time to remove "stored heat" from the walls, ceiling, floor, and furniture.
The air conditioner turns on and off rapidly.	The air filter is dirty and the air is restricted.	Clean the air filter.
	The outside temperature is extremely hot.	Set the FAN speed to a higher setting to bring air past the cooling coils more frequently.
There is noise when the unit is cooling.	Some air movement sound is normal.	If the unit is too loud, set it to a slower FAN setting.
	There is window vibration due to poor installation.	Refer to the installation instructions or check with the installer.
There is water dripping INSIDE when the unit is cooling.	The unit was improperly installed.	Tilt the air conditioner slightly to the outside to allow water drainage.
There is water dripping OUTSIDE when the unit is cooling.	The unit is removing a large quantity of moisture from a humid room.	This is normal during excessively humid days.
The remote is not sensing.	The remote control is not located within range of the unit.	Place the remote control within 20 feet and a 180 degrees radius of the front of the unit.
	The remote control signal is obstructed.	Remove the obstruction.
The room is too cold.	The temperature is set too low.	Increase the set temperature.

# Specifications

Model	Voltage / Frequency	Plug Type (NEMA)	Btu/h	Current (Amp)	Coolant	Weight	Dimensions (W x D x H)
WTC8002 WCO	115V / 60Hz	5-15P	8300	7	R410A 17.64 oz	68.3 lbs	24 <sup>1</sup> / <sub>4</sub> " x 20 <sup>3</sup> / <sub>8</sub> " x 14 <sup>1</sup> / <sub>2</sub> "
WTC10002 WCO115V	115V / 60Hz	5-15P	10000	8.3	R410A 20.81 oz	68.3 lbs	24 <sup>1</sup> / <sub>4</sub> " x 20 <sup>3</sup> / <sub>8</sub> " x 14 <sup>1</sup> / <sub>2</sub> "
WTC10012 WCO230V	230V / 208V / 60Hz	6-15P	10000 / 9800	4.5 / 4.8	R410A 21.87 oz	69.4 lbs	24 <sup>1</sup> / <sub>4</sub> " x 20 <sup>3</sup> / <sub>8</sub> " x 14 <sup>1</sup> / <sub>2</sub> "
WTC12002 WCO115V	115V / 60Hz	5-15P	12000	10	R410A 21.87 oz	77.2 lbs	24 <sup>1</sup> / <sub>4</sub> " x 20 <sup>3</sup> / <sub>8</sub> " x 14 <sup>1</sup> / <sub>2</sub> "
WTC12012 WCO230V	230V / 208V / 60Hz	6-15P	12000 / 11700	5.2 / 5.6	R410A 21.87 oz	76.1 lbs	24 <sup>1</sup> / <sub>4</sub> " x 20 <sup>3</sup> / <sub>8</sub> " x 14 <sup>1</sup> / <sub>2</sub> "
WTC14012 WCO230V	230V / 208V / 60Hz	6-15P	14000 / 13600	6.9 / 7.5	R410A 21.52 oz	75.2 lbs	24 <sup>1</sup> / <sub>4</sub> " x 20 <sup>3</sup> / <sub>8</sub> " x 14 <sup>1</sup> / <sub>2</sub> "



WTC8002WCO  
WTC10002WCO115V  
WTC12002WCO115V



WTC10012WCO230V  
WTC12012WCO230V  
WTC14012WCO230V

# EdgeStar Limited Warranty

## Full Two-Year Parts and Labor

This product is warranted by EdgeStar and is subject to any conditions set forth as follows:

### WHAT IS COVERED:

For a period of TWO (2) YEARS from the date of original retail purchase, EdgeStar will repair or replace any part free of charge, including labor, that fails due to a defect in materials or workmanship. Labor will be performed free of charge at an authorized EdgeStar repair facility and EdgeStar will supply new, rebuilt, or refurbished parts free of charge. EdgeStar may request a defective part be returned in exchange for the replacement part. All replacement parts or products will be new, remanufactured, or refurbished. All products and parts replaced by EdgeStar under warranty service become the property of EdgeStar. After the 24 month period, EdgeStar will no longer be responsible for labor charges incurred or replacement parts. All defective products and parts covered by this warranty will be repaired or replaced on a mail-in basis to an EdgeStar authorized repair facility.

This warranty applies to the original purchaser only, and only covers defects in workmanship experienced during operation of the product under normal service, maintenance, and usage conditions. This warranty applies to the purchase and use of this product in residential settings within the contiguous United States of America.

### Exceptions: Commercial or Rental Use Warranty

90 days labor and parts from date of original purchase. No other warranty applies.

### WHAT IS NOT COVERED - The following limitations apply to the coverage of this warranty. This warranty does not cover:

- Labor charges for installation, setup, or training to use the product.
- Shipping damage, and any damage caused by improper packaging for shipment to an authorized service center, and any damaged caused by improper voltage or any other misuse, including abnormal service, handling, or usage.
- Cosmetic damage such as scratches and dents.
- Normal wear and tear on parts or replacement of parts designed to be replaced, e.g. filters, cartridges, batteries.
- Service trips to deliver, pick-up, or repair; install the product; or to instruct in proper usage of the product.
- Damages or operating problems resulting from misuse, abuse, operation outside environmental specifications, uses contrary to instructions provided in the owner's manual, accidents, acts of God, vermin, fire, flood, improper installation, unauthorized service, maintenance negligence, unauthorized installation or modification, or commercial use.
- Labor, service, transportation, and shipping charges for the removal and replacement of defective parts, beyond the initial 24 month period.
- Products that have been modified to perform outside of specifications without the prior written permission of EdgeStar.
- Products lost in shipment, or theft.
- Products sold AS IS or from an unauthorized reseller.
- Products with serial numbers that have been removed, defaced, or invalidated.
- Damage from other than normal use.
- Replacement or repair of household fuses, circuit breakers, wiring, or plumbing.
- Damage to personal property from use of product.
- Damage from service other than from an authorized EdgeStar repair facility.
- Hoses, knobs, lint trays and all attachments, accessories, and disposable parts.
- Any service charges not specifically identified as normal such as normal service area or hours.
- Any special or consequential damages arising out of the use of the product.

**OBTAINING WARRANTY SERVICE:** If you believe your product is defective, contact EdgeStar Customer Support for troubleshooting assistance and warranty service at [www.edgestar.com](http://www.edgestar.com) or call 1-866-319-5473. Before contacting Customer Support you are required to have your model number, serial number, and proof of purchase available upon request. Once an EdgeStar authorized representative has confirmed that your product is defective and eligible for warranty service, the product must be returned to an EdgeStar authorized repair facility. EdgeStar is not responsible for damage resulting from shipper mishandling or improper packaging. Do not return a defective product to the place of purchase. Products received without a return authorization number will be refused.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS DISTRIBUTORS SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. IN NO EVENT AND UNDER NO CIRCUMSTANCE OF ANY TYPE OR KIND SHALL THE SELLER, MANUFACTURER, AND/OR DISTRIBUTOR BE LIABLE FOR ANY REASON, UNDER ANY THEORY, FOR MORE THAN THE BASIC COST OF THE PRODUCT TO THE PURCHASER OR END USER. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.