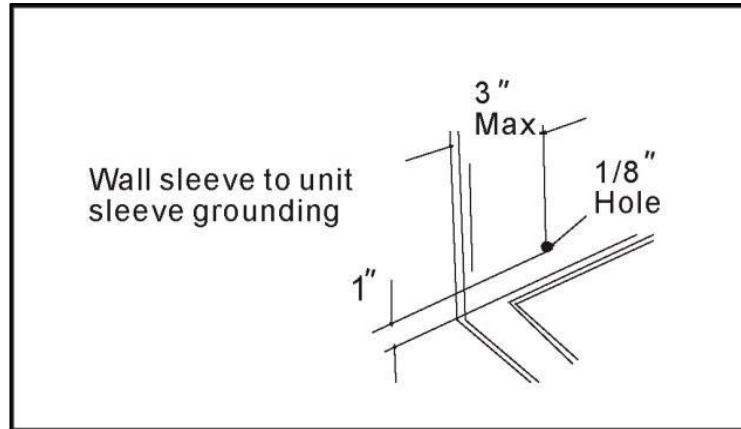## Preparations for Installation

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, ensure the wall and sill 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 necessary for installation.

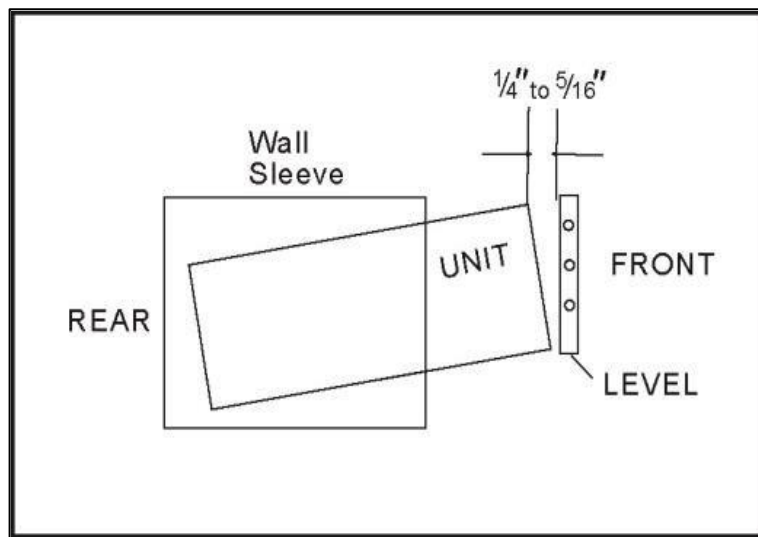| Name	Spec.	Qty
Tapered Spacer Blocks	17" Long	2
Centering/Support Blocks	4 ½" x 3 ½" x 1 ½"	4
Plastic Divider	⅛ "x 4 ½" x 14 ½"	2
Stuffer Seal	1" x 1 ½" x 84"	1
Seal	1" x 1 ½" x 25"	3
Seal	1" x 1 ½" x 14	2
Seal	1" x ⅜" x 25"	3
Seal	1" x ⅜" x 14"	2
Seal	1" x ¾" x 14"	2
Trim frame (side legs)		2
Trim Frame (top & bottom legs)		2
Ground Wire (green)		1
Toothed Washer for grounding screw		2
Grounding Screw		1
Grille (plastic)		1
Grille Aluminum		1
Nuts (plastic)		4
Screw Washer		4
Screw		4

Wall Sleeve Preparations

Assembling the Koldfront Sleeve

1. Using the grounding screw and toothed washer, drill a 1/8" clearance hole (for the grounding screw) in a clear area about 3 inches back from the front edge of the sleeve through the left side.
2. Pull the loose end of the ground wire (green) out of the front of the sleeve.
3. Temporarily bend it down and around the lower edge of the sleeve.
4. This ground wire will later be attached to the frame of the Air Conditioner once it is installed.
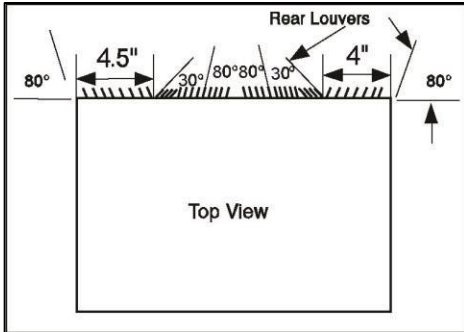
CAUTION: When installation is complete, the replacement unit MUST have a rearward slope as shown in the image to the left.

Installation Instructions

Installing the Cabinet into the Wall

Top View

Follow the steps listed below to install the cabinet into the wall

1. Remove existing rear grille as shown on Page 4 of this manual and replace with provided louvered rear panel.
2. Attach (1) 1"x ⅜" x 25" long seal in the center at the top of the sleeve. Remove the backing paper and press into position.
3. Attach (2) 1" x ⅜" x 14" seals to the left and right sides of the sleeve.
4. Attach (2) 1" x ¾" x 14" long seals vertically 4 ½" from the left side of the sleeve .Attach the other 1" x ¾" x 14" long seal 4" from the right side of the sleeve.
5. Center unit and gently slide unit into sleeve.
6. Before sliding all-the-way back, remove 2nd screw from front on left side of unit.
7. Remove the plastic washer from the screw.
8. Screw and attach the other end of the ground wire to the unit as shown in picture. Make sure that the toothed washer is against the cabinet.
9. Slide the unit completely to the rear to ensure a good seal, making sure the ground wire does not become tangled.

Installing the Grille

NOTE: You may need to drill holes in flange of existing sleeve to match new rear grille.

This units increased performance characteristics result from having two rear air intakes. It is very important that these installation instructions are followed so your unit can operate a maximum efficiency. If this is an existing sleeve, and there is an existing rear grille, it needs to be replaced by one that has been shipped with the unit in the accessory kit.

NOTE: For increased efficiency, utilize the provided louvered rear panel.
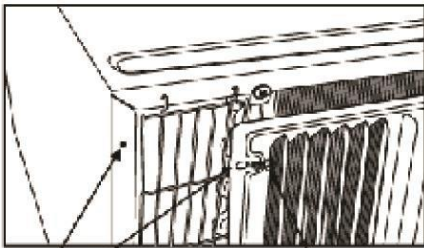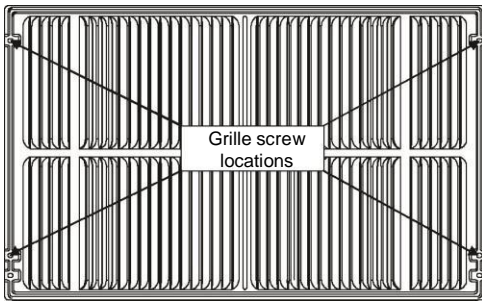
1. Remove the existing grille.
2. Place the grille included with the new air conditioner towards the rear of the sleeve.
3. Mark through the hole positions.
4. Drill through the sleeves flanges with a ⅛" drill bit.
5. Attached the new grille with self-threading screws and washers.
6. It is VERY IMPORTANT that the grille is placed exactly as shown below.
7. Most decorative exterior grilles may be left in place as long as the proper interior air direction grille is installed.

Direct Unit Mounting

The previous directions are the preferable way to mount the new rear grill. The unit's performance is slightly better and the possibility of draughts is reduced. As a last resort, direct mounting of the grille to the unit can be considered.

NOTE: The grille must be installed prior to inserting the unit into the sleeve.

1. Attach the (2) seal pieces (1" x ⅜" x 14") as shown below.
2. Position the grille over the rear of the unit, making sure that:
    a. The double set of screw holes are at the bottom.
    b. The fins of the grill are pointed away from the unit.
3. Align the top of the grille with the top of the unit. The overhang on each side is equal.
4. If the unit has not been pre-drilled (some models), carefully drill four ⅛" holes through the grille and into the side flange of the unit approximately 1 ½" to 2" from the top and bottom as the images below. (Be careful not to drill into the copper heat exchanger coils.)
5. Install (4) #8 self- tapping screws to affix the grille to the unit.
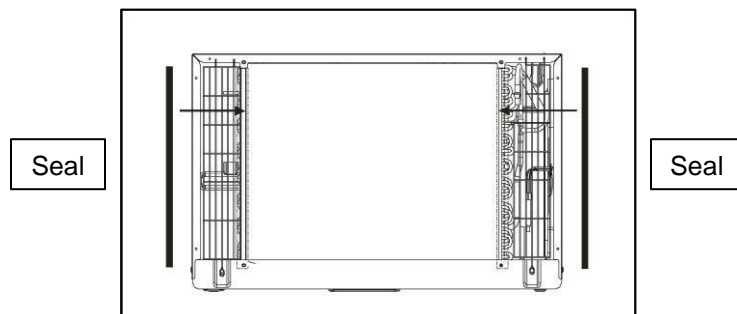6. Insert the unit into the sleeve.

Grille screw locations

Completing Installation

1/8" Hole, Grille, and Flange

#8 Screw
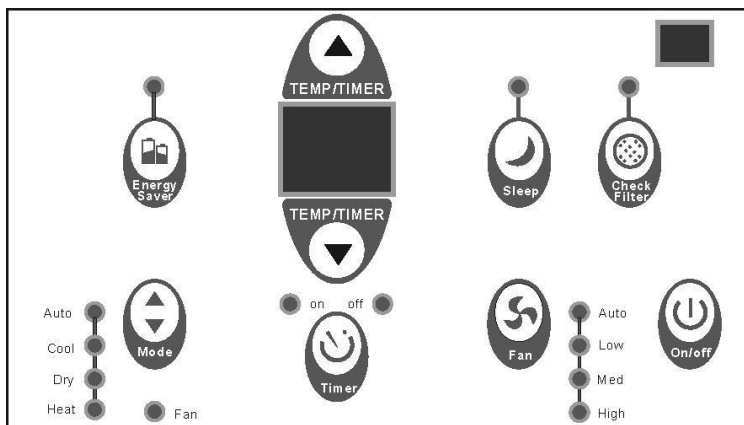
Completing Installation

1. Install the 1" x1 ½" x 84" long stuffer-seal between the wall-sleeve and the unit. A flat-bladed screwdriver or putty knife is recommended.
2. Assemble the trim frame by inserting top and bottom pieces into side pieces and snapping into place.
3. Pull cord through trim frame then slide over unit until flush with wall.

Seal

Seal

Control Panel Operations

⏻ On/Off
💲 Energy Saver
☺ Timer
⬆⬇ Mode
⚙ Check Filter
🌀 Fan Speed
🌙 Sleep
▲ Temp/Timer Up
▼ Temp/Timer Down

Using the Control Panel

To Turn Unit on:

Press ⏻ On/Off Button

To Change Temperature:

Press or hold either Up ▲ or Down ▼ button until 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). If you want the display to read the actual room temperature, see "To Operate in Fan only" section.

To Adjust Fan Speeds:

To select the speed of the fan press Fan Speed 🌀 in 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 operating mode press Mode ⬆⬇. Each time you press the button a mode is selected in a sequence that goes from Auto, Cool, Dry, Heat to Fan. The indicator light beside 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, heating, 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.

7

- In this mode the fan speed cannot be adjusted. It will start automatically at a speed according to the actual room temperature.

To operate in Fan Only:
- 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 a closed or sealed are some degree of cooling will continue.

To Use Energy Saver Feature:

This function is available on "Cool" mode, press Energy Saver. 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 the compressor turns back on and cooling starts.

To Use the Sleep Feature:

At the time of sleep press the sleep button. In this mode the selected temperature will increase (cooling) or decrease (heating) by 2°F (1°C) 30 minutes after the mode is selected. The temperature will then increase (cooling) or decrease (heating) 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 the "Timer On" indicator light illuminates. It indicates the Auto Start program is initiated.

- To switch to off press the Timer button again and the "Timer Off" indicator light illuminates. It indicates the Auto Stop program is initiated.

- Press or hold the Up ⊙ or Down ⊙ 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 register in 5 seconds and the system 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)

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 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.
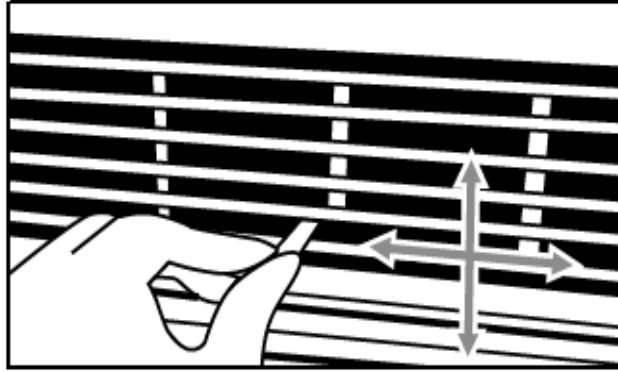- ✓ NOTE- In Fan only mode it will display "LO" or "HI".

● - Evaporator temperature sensor error
- ✓ Unplug the unit and plug back in.
- ✓ If error repeats, call for service.

HS-Electric Heating sensor error
- ✓ Unplug the unit and plug 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.

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