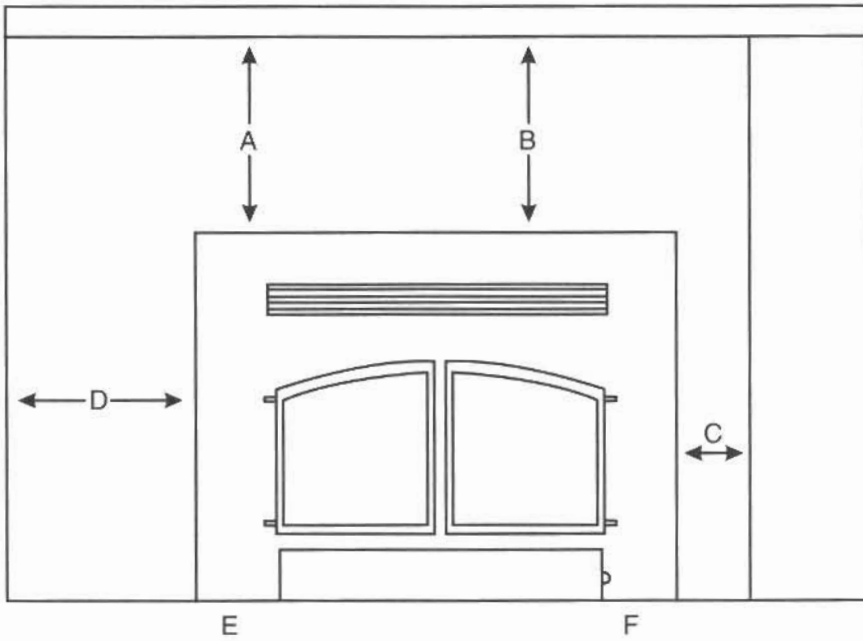


THE ULTRA GREAT
AIR TIGHT HEAT EXCHANGER
INSTALLATION AND OPERATION INSTRUCTIONS
MODELS 4028 AND 4031

SAFETY NOTICE: IF THIS HEAT EXCHANGER IS NOT PROPERLY INSTALLED OR OPERATED, A HOUSE FIRE MAY RESULT.

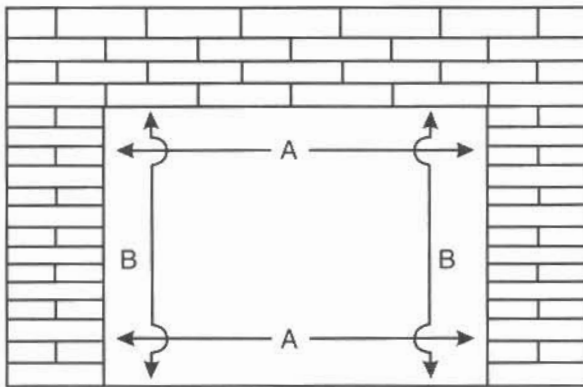
1. **Thoroughly read and understand these instructions before starting installation. Save** these instructions for future reference. Consult local building and or fire officials for any installation restrictions, required permits or required inspections.
2. **Thoroughly** inspect masonry fireplace and chimney structure to verify that it is built in accordance with NFPA211 standards and local building codes. The fireplace masonry structure must be free from looser brick, cracks, creosote deposits, loose mortar and in good structural order. **All deficiencies must be repaired!!** The chimney must be in good working condition and conform to the standard for chimneys, fireplaces, vents and solid fuel appliances NFPA211 and all other mechanical codes. The minimum flue size must be 8" x 12" or 9" round. The use of a non conforming chimney or fireplace structure could create a **FIRE HAZARD** with loss of personal property and death!
3. The Minimum hearth, where the fireplace opening is 6 sp. Ft. or less, shall extend at least 16" in front of the facing material and at least 8" beyond the side of the opening. Where the fireplace opening is 6 sp. Ft. or greater, the hearth shall extend out 20" in front of the opening and at least 12" to each side of the opening. Floor level hearths shall not extend less than 18" in front of the opening. The hearth material must not be less than 1" thick non combustible material.
4. **Verify** The fireplace opening size, making sure that proper unit size has been selected and that the proper minimum spaces to a combustible mantle and to any combustible side trim is maintained. See diagrams on page 4.
5. **Permanently lock and secure chimney damper in the open position.** This may be done with a metal strap and bolting. Failure to do so may allow damper to accidentally close. This will result in smoke spillage into the home and property damage.
6. When not in use a closeable top sealing chimney damper is recommended. Install in accordance with manufacturer's instructions. Furnish these instructions to the home owner/operator.
7. Remove doors to ease installation. Slide accessory unit into the center of the masonry opening and level. Adjust the back leveling legs if necessary using a 9/16" wrench. Mark the holes for the bottom mount on the fire brick base. If masonry is irregular, fill any voids and low spots with masonry cement to a smooth surface that is the size of the faceplate. Failure to do so will allow air to

8. seep around. The opening may cause excessive burning rates which will develop excessive temperatures.
9. Slide accessory back out and drill both bottom mount holes, using a ½ masonry bit. Install lead plugs into holes.
10. Place fiberglass gasket on the sides and across the top behind the face plate. Slide accessory unit into opening and secure lag bolts with a 7/16” wrench.
11. Slide the top mount over the threaded rod and tighten with a ½” wrench, **verify** the integrity of the seal at masonry front from the interior, recaulk if necessary.
12. Set the doors in place.
13. Insert power cord plug into owners outlet and turn on the fan to verify that this electrical circuit is working. This fan has a thermostat that shuts off power to the fan when the unit temperature is lower than 90 degrees F. There is a thermostat override located above the rheostat on the right side. When the rocker switch is turned **115 volt ac 60 hz grounded circuit is required**. Consult a licensed electrical contractor if this outlet is not properly grounded. **Danger** of electrical shocks or death may occur if not using the proper outlet.
14. The fan motor is permanently lubricated at the factory and requires no further lubrication.
15. **THERE ARE NO USER SERVICEABLE PARTS ENCLOSED IN FAN ASSEMBLY HOUSING. ALL SERVICE MUST BE PERFORMED ONLY BY QUALIFIED SERVICE PERSONNEL. CONSULT YOUR DEALER.**
16. **Save** these installation instructions for future reference.



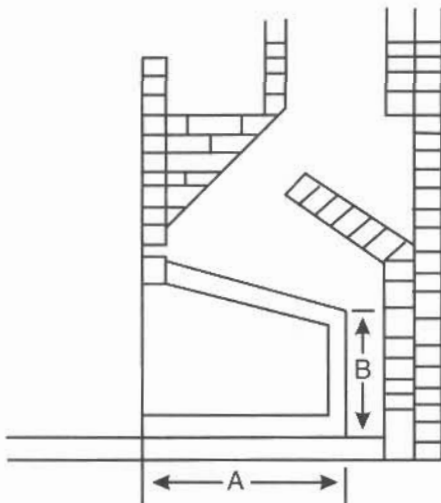
		clearance to combustible	
		model 4028	model 4031
A	to wood mantle	18"*	18"*
B	to top face trim	18"*	18"*
C	to side trim	6"	6"
D	to side wall	16"	16"
E	raised hearth extension	16"	16"
F	floor level hearth ext.	18"	18"

* A 1/2" air space to combustible is required when at 18" for clearance.



Required fireplace opening size		
	model 4028	model 4031
A - minimum	28-1/2"	28-1/2"
A - maximum	38"	38"
B - minimum	23-1/2"*	27"*
B - maximum	27"	30"

*at minimum height dimension given is shown as a snug fit!!!



	model 4028	model 4031
dimension A depth into fireplace	18"	18"
dimension B height to back	17"	20"
width at back	24"	24"

OPERATING INSTRUCTIONS

- 1. READ AND UNDERSTAND ALL OPERATING INSTRUCTIONS BEFORE LIGHTING THE FIRST FIRE!** It is very important to clean the chimney before using your fireplace. This chimney should be inspected monthly during the heating season for creosote deposition, clean as required. Burn only seasoned natural wood. Non-seasoned wood will result in more creosote formation and less heat than seasoned wood.
- 2. CREOSOTE: FORMATION AND NEED FOR REMOVAL.** When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire. Inspect this chimney every month during the heating season. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire.
- 3. Things to remember in case of a chimney fire.** 1. Unplug the fan and keep doors closed. 2. CALL the fire department. 3. Prepare to leave the house.
- 4. DISPOSAL OF ASHES:** Ashes must be placed in a **metal** container with a tight fitting lid. This closed container of ashes must be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If these ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in this closed container until all cinders have thoroughly cooled.
- 5. NEVER** use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or to freshen up a fire. Keep all such liquids well away from the fireplace accessory while it is in use. Do not store fuel wood near the fireplace accessory.
- 6.** Use no grates or andirons to support the wood. Burn directly on the bottom of the unit. Never allow the ashes to build up over 2 inches deep. Never allow the coal bed or base of the fuel to exceed the height of the ash retainer ring. Over firing of this unit may cause failure.
- 7. No** lubrication of any moving parts is required. The fan motor is permanently lubricated at the factory. **THERE ARE NO USER SERVICEABLE PARTS ENCLOSED IN FAN ASSEMBLY HOUSING. ALL SERVICE MUST BE PERFORMED ONLY BY QUALIFIED SERVICE PERSONNEL. CONSULT YOUR DEALER.**
- 8.** A 15 amp 115 volt ac 60 hz. Grounded electrical circuit is required for this accessory. Consult a licensed electrical contractor if this outlet is not properly

grounded or is of a different voltage than listed. **DANGER** electrical shocks or death may occur if not using the proper grounded outlet of the correct voltage.

9. Route the power supply cord maintaining a 2 inch minimum distance away from the metal faceplate of the accessory. All routing of power supply must be in a manner in which people will not interfere with or trip over the power supply cord. Do not hook to any extension cord. The fan switch decreases the fan speed. The lowest fan speed is factory set, **DO NOT** attempt adjustment.
10. Open closeable chimney top damper before attempting to start a fire.
11. This accessory is designed for use with the doors closed **ONLY**.
12. Consult listing label for any additional warnings or instructions.
13. This unit is intended to use **SOLID WOOD THAT IS PROPERLY SEASONED ONLY! DO NOT USE EXCESSIVE AMOUNTS OF KINDLING WOOD. NEVER USE ANY TREATED WOOD OR COMPRESSED FIREPLACE LOGS. NEVER BURN EXCESSIVE AMOUNTS OF NEWSPAPER OR RAPIDLY FLAMMABLE CARDBOARD. DO NOT USE TO BURN PLASTIC OR ANY FORMS OF GARBAGE.**
14. To start the fire crumble up into a ball 2 or 3 pieces of newspaper, placing a small amount of kindling wood upon. Stack several small pieces of fuel wood on this and ignite. Do Not nest wood tight as this will restrict combustion. Leave the doors open slightly (1/2 inch) for several minutes. Place several more pieces of split fuel upon the fire, closing the door. Turn the fan on to wide open. This will give out the maximum burning rate and the most heat output. Turning the fan speed control knob will give you the desired level of heat output and burn rate time. Turning this knob clockwise decreases the fan speed. The fan is thermostatically controlled. To override this thermostat and make the fan run when the unit is cool, flip the rocker switch backward. Forward allows thermostat controlled operation.
15. The ceramic glass panel will with stand all of the heat output of this accessory. These glass panels can be easily cleaned with an ammonia based glass cleaner. Never use any sharp tool to scrape glass. Non-seasoned wood will result in a greater buildup of smoke residue than seasoned wood. In the event that you break the ceramic glass panel by impact, consult your dealer for a replacement. Do no continue to use your fireplace accessory if the glass panel is broken. Never use a substitute glass. Consult your dealer for replacement.
16. **OVER FIRING OF THIS FIREPLACE ACCESSORY MAY CAUSE A FIRE! NEVER FILL THIS UNIT FULL OF WOOD. IF ANY PARTS START TO SMELL HOT OR STARTS TO GLOW, TURN THE FAN TO**

THE OFF POSITION. DO NOT ADD ANY MORE WOOD, ALLOW THE UNIT TO COOL OFF NATURALLY. STAY CLOSE AT HAND TO SUMMON THE FIRE DEPARTMENT IF NECESSARY. GET YOU FIRE EXTINGUISHER. IF THE HEAT RESISTANT PAINT ON THE FRONT STARTS TO DISCOLOR, YOU ARE OVERFIRING!! CONSULT YOUR DEALER TO INSPECT THIS BEFORE USING AGAIN. ALL EXPOSED METAL SURFACES ARE HOT. CONTACT WITH THESE MAY CAUSE BURNS AND PERSONAL INJURY.

17. Before operating this appliance, install or inspect smoke detectors and purchase a fire extinguisher. Keep the extinguisher close at hand for unexpected occurrences.
18. **SAVE** these operating instructions for future reference!!

ULTRAGREAT 5 YEAR LIMITED WARRANTY

The manufacturer of the Ultragreat unit, (hereinafter unit), hereby extends the following warranty:

1. They warrant that the metal components and glass panels will be free from defects in materials and workmanship for a period of (5) five years from date of purchase
2. They warrants that the electrical components, fan, switches and controls will be free from defects in materials and workmanship for a period of (1) one year from date of purchase.
3. Upon proof that any metal parts or components are defective in either materials or workmanship under conditions of normal use and service the manufacturer agrees to the following:
 - a. If a defect in workmanship or material is shown during the first or second year, the manufacturer shall, at their option, either replace or repair the same at no cost to the original retail purchaser.
 - b. In the (3rd) third through the (5th) fifth year, The manufacturer shall furnish a replacement part or parts at no cost to the original retail purchaser.

The manufacturer shall not be responsible for any labor costs, postage, freight, or other costs or expenses, including, but without limitation, any indirect, incidental or consequential damages.

The manufacturer does not warrant any component or part included in the unit that is manufactured by anyone else. This limitation would apply to, but is not limited to painted or electroplated surfaces and gaskets.

The manufacturer makes no representations or warranties, express or implied, except as stated herein. All implied warranties of any nature, including, but not limited to, any implied warranty of merchantability or fitness for purpose, are hereby disclaimed.

The manufacturer's sole obligation for the unit is as contained in this limited warranty and any representations or warranties, whether express or implied, made by any dealer are not binding on the manufacturer.

No warranty of any sort is made as to installation, labor, materials or parts adopted for use with this unit.

Alterations, improper installation, abuse, neglect, or over firing of the unit will void any warranty whether express or implied.

A chimney cap must be installed to validate this warranty. A top sealing cap is recommended.

The limited warranty is made only to the original retail purchaser and is not transferable or assigned to any subsequent purchaser or owner.

This warranty is voidable at the option of the manufacturer in the event that the unit is installed outside the continental United States or Canada or is removed from the place of original installation.

The manufacturer reserves the right to examine any claimed defective unit, part or component thereof, under this limited warranty in its own place of business location.

Furthermore, since the manufacturer has no control over the manner in which the unit is installed, it cannot assume responsibility for such items as inadequate draft or similar problems caused by natural or man-made obstructions.

This unit must be installed in accordance with all building codes and regulations and the purchaser and/or user must determine the suitability of the unit in light of these applicable codes and regulations in advance. Each purchaser must also determine, in advance, the suitability of each unit for their specific needs.

THERE ARE NO WARRANTIES BEYOND THOSE CONTAINED HEREIN. EXCEPT TO THE EXTENT PROVIDED BY LAW, THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES MADE BY WILKENING APPLICABLE TO THIS UNIT INCLUDING IMPLIED WARRANTIES MADE MERCHANTABILITY, USE, OR FITNESS FOR A PURPOSE. EXCEPT FOR THE WARRANTIES STATED HEREIN, THE PURCHASER TAKES THE UNIT "AS IS".

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. CERTAIN STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF TIME OF AN IMPLIED WARRANTY. FURTHERMORE, CERTAIN STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF CERTAIN TYPES OF DAMAGES.

IN ORDER FOR THE LIMITED WARRANTIES GRANTED HEREIN TO BE EFFECTIVE, A COMPLETED OWNERS REGISTRATION CARD MUST BE RETURNED TO WILKENING WITHIN SIXTY (60) DAYS OF THE PURCHASE OF THE UNIT DESCRIBED HEREIN.

IN CASE OF QUESTIONS, OR IN ORDER TO ASSERT ANY RIGHT GRANTED HEREIN, YOU MUST CORRESPOND DIRECTLY WITH THE

MANUFACTURER WITHIN SIXTY (60) DAYS OF THE PURCHASE OF THE UNIT DESCRIBED HEREIN.

IN CASE OF QUESTIONS, OR IN ORDER TO ASSERT ANY RIGHT GRANTED HEREIN, YOU MUST CORRESPOND TO CJ'S HOME DÉCOR & FIREPLACES, LLC (908)904-9394.