

**CITY OF SACRAMENTO**  
1231 I Street, Sacramento, CA 95814

**Permit No: 9715224**  
**Insp Area: 2**

**Site Address: 6417 FORDHAM WY SAC**  
Parcel No: 0240294008

Sub-Type: RES  
Housing (Y/N): N

CONTRACTOR  
DAVID FOX PLUMBING  
1851 OAK BLUFF WY  
SACRAMENTO CA 95833  
Phone: 916-927-8230

OWNER  
ATTWATER WILLIAM R/NANCIE WIS  
6417 FORDHAM WY  
SACRAMENTO CA 95831  
Phone:

ARCHITECT  
Phone:

**Nature of Work: GAS LINE TO FIREPLACE AND TO FAMILY ROOM FOR GAS STOVE APPLIANC**

**CONSTRUCTION LENDING AGENCY** : I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name \_\_\_\_\_ Lender's Address \_\_\_\_\_

**LICENSED CONTRACTORS DECLARATION**: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class C-26 License Number 648858 Date 11-13-97 Contractor Signature David Paul Fox

**OWNER-BUILDER DECLARATION**: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

\_\_\_\_ I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

\_\_\_\_ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

\_\_\_\_ I am exempt under Sec. \_\_\_\_\_ B & PC for this reason: \_\_\_\_\_

Date \_\_\_\_\_ Owner Signature \_\_\_\_\_

**IN ISSUING THIS BUILDING PERMIT**, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

Date 11-13-97 Applicant/Agent Signature David Paul Fox

**WORKER'S COMPENSATION DECLARATION**: I hereby affirm under penalty of perjury one of the following declarations:

\_\_\_\_ I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

\_\_\_\_ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier No Employees Policy Number \_\_\_\_\_

\_\_\_\_ (This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 11-13-97 Applicant Signature David Paul Fox

**WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.**

**THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.**

TO: DIRECTOR, DEPT. OF PLANNING AND DEVELOPMENT  
CITY OF SACRAMENTO

FROM: WILLIAM R. ATTWATER

THE PURPOSE OF THIS LETTER IS TO ASK YOUR ASSISTANCE IN GETTING A PERMIT APPROVED FOR THE INSTALLATION OF A GAS LINE TO AN EXISTING FIREPLACE AT OUR HOME LOCATED AT 6417 FORDHAM WAY, SACRAMENTO 95831.

MY CONTRACTOR, MR. DAVID FOX , INFORMS ME THAT THE CITY REQUIRES A SAFETY TURN-OFF VALVE OUTSIDE OF THE FIREPLACE AND INSIDE OF THE HOUSE. WE LIVE IN AN EICHLER HOUSE. TWO LARGE WINDOWS ABUT EITHER SIDE OF THE FIREPLACE. THERE IS INSUFFICIENT SPACE TO DRILL AN ACCESS HOLE ON EITHER SIDE OF THE FIREPLACE INTO THE LIVING ROOM. ALSO, THE HOUSE IS ON A SLAB FOUNDATION AND ITS IMPOSSIBLE TO COME UP THRU THE FLOOR.

A CITY INSPECTOR HAS INFORMED MR. FOX THAT HE WOULD NOT APPROVE INSTALLATION OF THE LINE WITHOUT THE TURNOFF VALVE.

I CERTAINLY UNDERSTAND THE NEED FOR A SAFETY VALVE. THEREFORE I PROPOSE TWO ALTERNATIVES.

THE FIRST, IS TO INSTALL THE SAFETY VALVE NEXT TO THE FIREPLACE ON THE OUTSIDE WHICH IS UNDER A COVERED PATIO AND ABOUT 3 1/2 FT. FROM A SLIDING GLASS DOOR LEADING FROM THE LIVING ROOM/FIRPLACE AREA.

A SECOND ALTERNATIVE WOULD BE TO RUN THE GAS LINE INTO THE FIREPLACE, RUN THE LINE OUT ONTO THE HEARTH , INSTALL A SAFETY VALVE AT THAT POINT AND 180 THE LINE BACK INTO THE FIREPLACE. THIS IS A LESS DESIRABLE ALTERNATIVE FOR ME BECAUSE I AM SERIOUSLY LOOKING AT A FIREPLACE INSERT THAT HAS A SEALED FRONT.

I HAVE ATTACHED PHOTOS OF THE INSIDE AND OUTSIDE OF THE FIREPLACE AREA. I WOULD APPRECIATE AN EARLY RESPONSE AS I HAVE OTHER WORK FOR THIS CONTRACTOR TO DO AND WOULD LIKE TO GET IT ALL DONE AT THE SAME TIME. ATTACHED ALSO IS MY BUSINESS CARD WITH MY OFFICE PHONE AND FAX NUMBERS. MY HOME NUMBER AND FAX NUMBER IS 394-9132.

*Bill Attwater*  
10/27

**THERMOFLAME TURNS A DRAMATIC, PICTURESQUE LOG FIRE INTO A GAS LOG FIRE!**

**THERMOFLAME PUTS GAS LOGS TO WORK!**

The ThermoFlame Fireplace Insert combines the beauty and convenience of gas logs with the automatic forced-air warmth of a 50,000 BTUH furnace.

**ThermoFlame Inserts Are Easy To Install & Operate**

ThermoFlame is only 29 1/2" x 19 1/4". It's easy and inexpensive to install. It quickly slides into factory built or masonry fireplaces without the need for a chimney liner. It lights and operates with a simple flip of a switch.

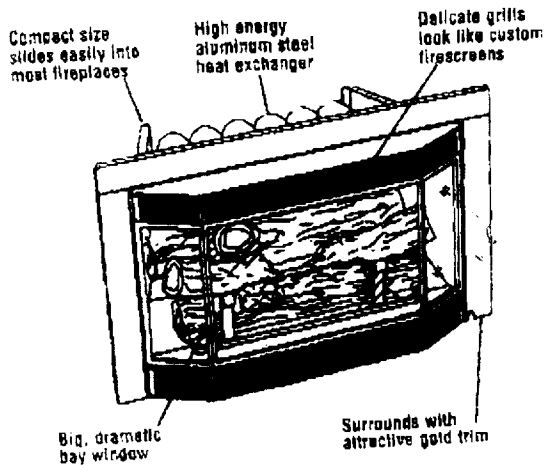
ThermoFlame's adjustable control lets you set the heat and flames anywhere from 35,000 to 50,000 BTUH. A unique two-level burner maintains a realistic log fire at all settings, from romantic slowly burning embers on low settings to a roaring fire on Hi. An automatic variable speed blower allows total control of heat output.

**Dramatic Viewing Of A Picturesque Log Fire**

ThermoFlame features a big, dramatic bay window and Mendota's famous computer-enhanced log fire. A log fire with glowing embers and gentle flames reaching through partially burned logs that is so authentic you'd swear you were burning oak logs from the wood pile.

**ThermoFlame Inserts Are Good To The Environment**

ThermoFlame Inserts produce less than 1% of the harmful particulate emissions of wood burning stoves.



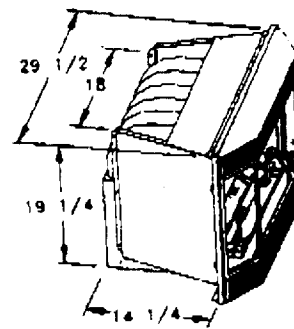
\$1195<sup>00</sup>



**THERMOFLAME FEATURES:**

- Built by Johnson, a company with over 90 years experience in gas engineering.
- Wood Log Fire Beauty & Ambiance
- Forced-Air Warmth of a Furnace  
Heat goes into the room - not up the chimney
- Simple Slide-In Installation -- No Liner
- Variable Flame - 35,000 to 50,000 BTUH
- Stand-By Heat Source in Power Outages
- Easy, Piezo Spark Pilot - No Matches
- Automatic Variable Speed Blower  
Allows infinite control of heat output
- Elegant Firescreen Styled Grills
- Big, Dramatic Bay Window
- Approved for All Fireplaces
- Safety Tested to ANSI/CAN Standards

**SPECIFICATIONS**



- BTUH:**  
Hi - 50,000  
Lo - 35,000
- FLUE REQUIREMENTS:**  
6" Min. Diameter at  
20 ft. Min. Height
- PILOT SYSTEM:**  
Standing w/Piezo Spark
- SAFETY CONTROLS:**  
AGA/CGA Certified
- SAFETY TESTED:**  
ANSI/AGA Z21.60-1997  
& CAN/CGA 2.26-M92  
Warnock Hersey to  
Decorative Gas Appl.
- SHIPPING WEIGHT:**  
95 lbs.

**STANDARD ACCESSORIES**  
Fiber Logs, Chnls, Blower, Grills  
**OPTIONS**  
Two sizes of surrounds w/ gold tone trim: 24" x 36" and 27" x 40"  
Trimable surround skirt for elevated fireplaces. Remote control

**THE SOLAR SYNDICATE**

114 K Street  
OLD SACRAMENTO, CA 95814  
(916) 447-6419  
Open 10 a.m. - 7 p.m.

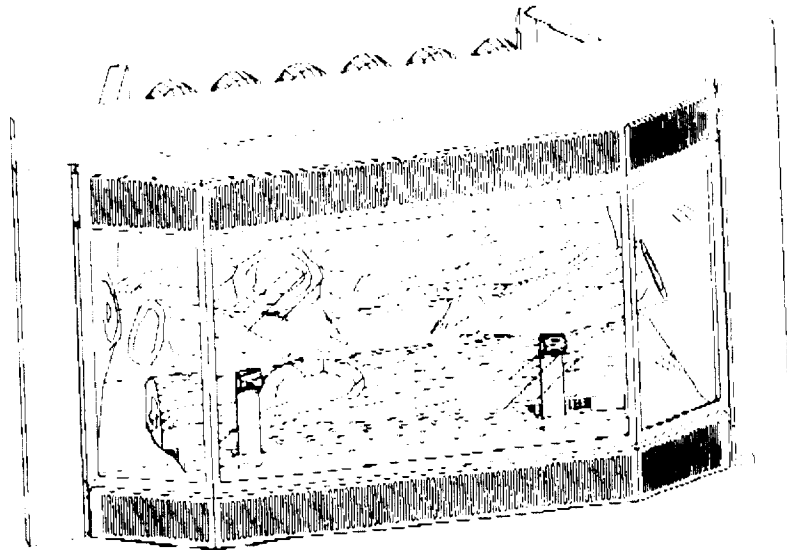
PETER ROSS

JOHNSON GAS APPLIANCE CO.  
Gas Specialists Since 1907  
326 S. Ave. NW  
Cedar Rapids, IA 52405  
319-361-5287

**MENDOTA**  
America's Luxury Fireplaces

MENDOTA HEATING DIVISION  
High Performance Fireplaces  
1890 Woodside Dr.  
St. Paul, MN 55125  
612-731-5387

# THERMOFLAME GAS FIREPLACE INSERT



## INSTALLATION & OPERATING INSTRUCTIONS

NO. 995

65-05-00062

**FOR YOUR SAFETY:**

IF YOU SMELL GAS.

- DO NOT TRY TO LIGHT ANY APPLIANCE
- DO NOT TOUCH ANY ELECTRICAL SWITCH
- DO NOT USE ANY PHONE IN YOUR BUILDING
- IMMEDIATELY CALL YOUR GAS SUPPLIER FROM A NEIGHBOR'S PHONE. FOLLOW THE GAS SUPPLIER'S INSTRUCTIONS
- IF YOU CANNOT REACH YOUR GAS SUPPLIER CALL THE FIRE DEPARTMENT

**FOR YOUR SAFETY:**

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

**WARNING:** IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO THIS MANUAL FOR ASSISTANCE OR ADDITIONAL INFORMATION. CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR GAS SUPPLIER.

**IMPORTANT:** THESE INSTRUCTIONS ARE TO REMAIN WITH THE HOMEOWNER!

## CONGRATULATIONS!

You are the owner of a world class heat producing decorative gas fireplace insert.

This elegant, highly efficient Insert will be a constant source of comfort and fascination. It will be the focal point of beauty and interest in your home.

The ThermoFlame Gas Fireplace Insert is a decorative heating appliance incorporating the traditional aesthetics of fireplace fire viewing. Of particular interest is the brilliant fire viewing afforded by the patented realistic HearthGlo wood fire-like combustion system.

Carefully read the following instructions prior to actual installation. Proper ThermoFlame Gas Fireplace Insert installation and operation will give you years of safe trouble free comfort and enjoyment.

If you have any questions regarding installation or operation of your Mendota Fireplace Insert please contact your local dealer.

### .....CAUTION.....

**FOR YOUR SAFETY** do not install or operate your ThermoFlame Gas Fireplace Insert without first reading and understanding this manual. Any installation or operational deviation from the following voids the ThermoFlame Gas Fireplace Insert Warranty and may prove hazardous!

Due to high temperatures, the Fireplace in which the Insert is to be installed should be located out of traffic and away from furniture and draperies. Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the ThermoFlame Gas Fireplace Insert.

Clothing or other flammable material should not be placed on or near the Insert.

ThermoFlame Inserts are designed for installation in vented non-combustible fireplaces with working flues. Any fireplace in which an Insert is to be installed **MUST** be vented to the outside in accordance with the latest addition of Natural Fuel Gas Code. Do not connect this appliance to a chimney flue serving a separate solid fuel burning appliance. Any grill, panel or glass removed for servicing the Insert **MUST** be replaced prior to operating the Insert.

The ThermoFlame Gas Insert is a powerful, decorative unit. It has been designed as a source of supplemental heat. It should not take the place of, or be used as, a whole house heating system. Such use may void the warranty.

Installation and repair should be done by a qualified service person. The Insert should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and air passageways be kept clean.

**DO NOT** use this insert if any part has been under water or exposed to moisture corrosion. Immediately call a qualified service technician to inspect the Fireplace Insert and replace any part of the control system and any gas control which has been under water. **DO NOT** use this insert if burner does not light **immediately**. If burner does not light promptly, turn off unit and call your Mendota dealer.

It is Johnson Gas Appliance Company's policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition which is the result, either directly or indirectly, of any improper operation or installation procedures.

**INSTALLER: THESE INSTRUCTIONS ARE TO REMAIN WITH HOMEOWNER.**

**Figure 3: Remote Control or Switch Wiring**

**NOTE: Wall Switch Must be 250-750 Millivolt Rated**

**CAUTION: THIS CONTROL IS A MILLIVOLT SYSTEM. NO ADDITIONAL POWER SUPPLY CAN OR SHOULD BE USED.**

**TABLE OF CONTENTS**

INSTALLATION REQUIREMENTS..... 3  
 INSTALLATION INSTRUCTIONS..... 4  
 WALL SWITCH, REMOTE CONTROL INSTALLATION..... 5  
 BLOWER WIRE DIAGRAM..... 6  
 GAS PRESSURE REQUIREMENTS..... 7  
 GAS SUPPLY REQUIREMENTS..... 8  
 LIGHTING INSTRUCTIONS..... 9  
 LOG INSTALLATION..... 10  
 HEATING PERFORMANCE..... 12  
 TROUBLE SHOOTING..... 11  
 MAINTENANCE..... 13  
 WARRANTY REGISTRATION..... 15  
 WARRANTY..... 16

**SPECIFICATIONS**

**MODEL TFI-IN NATURAL GAS - TFI-IP LP GAS**

<b>THERMOFLAME</b>	<b>High Fire - Adjustable to - Low Fire</b>		<b>Orifice Sizes</b>
<b>BTU/H (MODEL TFI-D)</b>	<b>NAT. GAS</b>	<b>50,000</b>	<b>35,000</b>
	<b>L.P. GAS</b>	<b>50,000</b>	<b>35,000</b>
<b>BTU/H OUTPUT</b>	3,000 to 30,000 VARIABLE WITH FLAME AND BLOWER CONTROLS		
<b>FLUE REQUIREMENTS</b>	6" MIN. DIA. AT 20' MIN. H.T. (SEE PAGE 3)		
<b>TOTAL WEIGHT</b>	95 LBS. SHIPPING		
<b>SAFETY</b>	AGA CERTIFIED PILOT GENERATOR, MILLIVOLT SYSTEM ACTIVATED WITH SWITCH OR REMOTE CONTROL		
<b>COMBUSTIBLE MANIFOLD CLEARANCE</b>	15" ABOVE GRILL, 8" DEPTH		
<b>GAS REQUIREMENTS</b>	<b>SUPPLY PRESSURE:</b>		
<b>NAT. GAS:</b>	7" W.C.	[4.5" W.C. MIN., 10.5" W.C. MAX.]	
<b>L.P. GAS:</b>	11" W.C.	[10.5" W.C. MIN., 13" W.C. MAX.]	
<b>GAS INLET:</b>	3/8" N.P.T.		

**LISTINGS...WARNOCK HERSEY TESTED TO: AGA/ANSI STANDARD - Z21.60-1991 & CAN/CGA 2.26-M91, & CGA CR93-0004**

**THE THERMOFLAME GAS INSERTS MAY BE USED WITH A.G.A. APPROVED FLEXIBLE GAS LINES AND SHUT OFF VALVES.**

Gas appliances must be tested and certified by a nationally recognized testing and certification agency to American National Standards Institute - ANSI Gas Appliance Safety Standards.

The Thermoflame Gas Fireplace Insert has been tested and certified by Warnock Hersey, Inc. 8431 Murphy Drive, Middleton, WI 53562.

**INSERT INCLUDES:** DUAL-BURNER, VARIABLE HEARTHGLO COMBUSTION SYSTEM WITH LOG MODULE. VARIABLE SPEED, AUTOMATIC BLOWER SYSTEM, NEO-CERAM BAY GLASS, PIEZO IGNITER, GRILLS.

- OPTIONS:**
- REMOTE CONTROL
  - THREE SIZES OF SURROUNDS (24" X 36", 27" X 40" AND 32" X 44").
  - SURROUNDS INCLUDE INNER AND OUTER GOLD TONE TRIM AND ROCKER SWITCH.
  - 8" TRIMABLE SURROUND SKIRT FOR ELEVATED FIREPLACES.

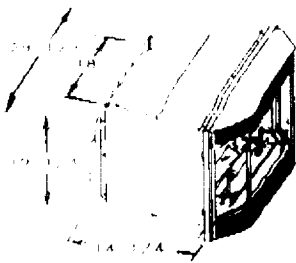


## FIREPLACE CHIMNEY REQUIREMENTS

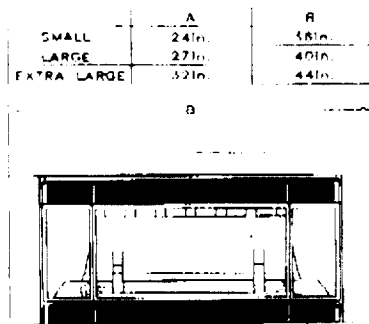
CHIMNEY HEIGHT	MINIMUM OPENING	EQUIVALENT DIAMETER
FEET (M)	IN <sup>2</sup> (MM <sup>2</sup> )	IN (MM)
6 (1.83)	51 (330)	8 (203)
8 (2.44)	39 (250)	7 (178)
10 (3.05)	39 (250)	7 (178)
15 (4.57)	39 (250)	7 (178)
20 (6.10)	29 (190)	6 (152)
30 (9.14)	29 (190)	6 (152)

## INSTALLATION REQUIREMENTS

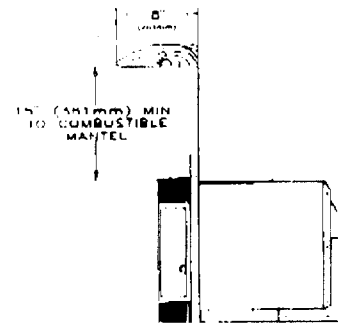
MINIMUM FIREPLACE DIMENSIONS:	
WIDTH:	30 inches (760 mm)
HEIGHT:	19.5 inches (495 mm)
DEPTH:	14.5 inches (370 mm)



DEFAULT DIMENSIONS



SURROUND DIMENSIONS



MANTEL CLEARANCE

**NOTE: FIREPLACE MUST HAVE CHIMNEY CAP IN PLACE TO PREVENT RAIN COMING IN CONTACT WITH THERMOFLAME INSERT.**

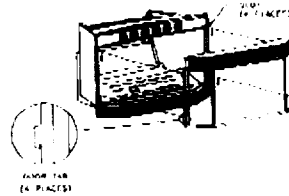
## INSTALLATION INSTRUCTIONS

**WARNING:** The ThermoFlame must be installed in a vented, non-combustible fireplace, with a working flue, approved for burning solid fuel. This appliance can not be installed in a bathroom or a room where sleeping accommodations are provided.

1. Remove any glass doors, grates, combustible materials, etc. from the fireplace.

The glass door must be removed from the ThermoFlame for lighting the pilot or periodic cleaning. This must be done when the unit is cool and is accomplished by lifting up on the door and moving it outward. Store the door in a safe place until it is replaced. Re-install by aligning the tabs of the door with slots in the firebox sides and lowering. Make sure all four tabs are engaged. (See Figure 1 below)

**CAUTION:** Never operate the unit without the door properly installed.



**Figure 1: Glass Door Operation**

2. Have the fireplace and venting system cleaned by a certified chimney sweep or other qualified service technician.
3. Check to be sure there is a 15" minimum distance from the top of the grill to the bottom of the mantel. Mantel clearance (height above top grill) must be increased 2 inches for every 1 inch increase in mantel depth greater than 8 inches. (EXAMPLE: A 10" deep mantel requires 16" clearance height above top grill.)
4. Be sure the size of the chimney flue on the fireplace has at least the free opening area listed in the "Fireplace Chimney Requirements" chart on page 3 for the height of the chimney. The damper must be fixed open by placing a screw or a bolt in the edge of the damper to secure it open. Another method is to remove the damper or cut holes in the damper to equal the Free Area required. Make sure fireplace has a cap installed to prevent rain from contacting ThermoFlame Insert.
5. Make sure that the gas supply is ready to connect to the ThermoFlame.
  - A. The proper size gas line must be used to run from the supply regulator to the unit. It must be of sufficient size to deliver 50,000 BTU/H to the unit at the normal inlet pressure. Never use galvanized or plastic pipe. (See Gas Supply Requirements on pg. 8)
  - B. Provisions should be made for a 1/8" tapped plugged test port for checking inlet pressures. Many local codes also require a shut off valve on the incoming gas line. The appliance and its shutoff valve must be disconnected from the gas inlet supply piping system during any pressure testing of the system at test pressures in EXCESS of 1/2 psig (3.5 kPa). The appliance must be isolated from the gas supply piping system during any pressure testing of gas supply piping system at test pressures EQUAL TO OR LESS THAN 1/2 psig.
6. The ThermoFlame is equipped with 3/8" pipe nipple on the left side of the unit. Connect the nipple to the gas supply line. Flex connectors may be used if state and local codes allow.
7. Slide the ThermoFlame into the fireplace opening. Check to see that the unit is level and plumb with the fireplace opening. Shim if required with non-combustible material.
8. Install the surround according to the instructions included with the surround. Snap rocker switch into surround opening (See Figure 2 & 3) and snap rocker switch leads on to a rocker switch.
9. Plug the power cord for the blower into a grounded 115 volt outlet. The outlet must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electric Code ANSI/NFPA 70-1987.



# THERMOFLAME

By Mendota

Faced with busy schedules and rising heating costs, today's owner wants a fireplace that is convenient and efficient. The ThermoFlame Gas Fireplace Insert is the answer!

At the flip of a switch, you enjoy the beauty and convenience of a gas log fire, while you are also benefiting from the warmth of a powerful 50,000 BTUH gas heater.

The ThermoFlame Insert is built by Johnson Gas Appliance Co., the leading producer of high quality gas furnaces and appliances since 1901, and the maker of the popular Mendota line of luxury gas fireplaces and stoves.

You benefit from over 90 years of gas engineering experience and a century of old tradition of quality and craftsmanship.

