

Owner's Manual

Care and Operation

INSTALLER: Leave this manual with party responsible for use and operation.

OWNER: Retain this manual for future reference.

Contact your dealer with questions regarding installation, operation or service.

NOTICE: DO NOT discard this manual!

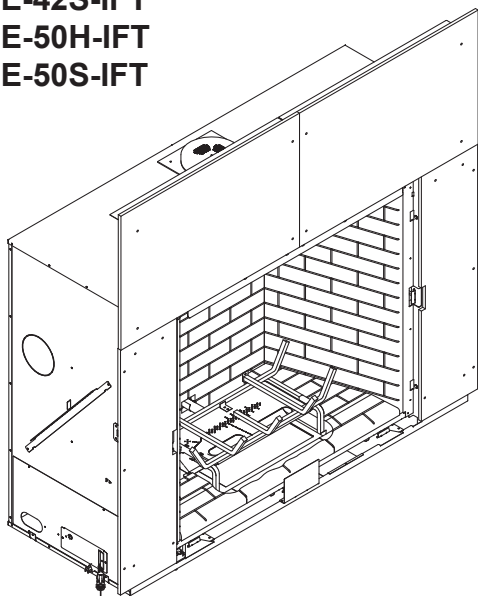
HEAT&GLO™

No one builds a better fire

Models:

TRUE-36G-IFT
TRUE-36H-IFT
TRUE-36S-IFT
TRUE-42G-IFT
TRUE-42H-IFT
TRUE-42S-IFT
TRUE-50H-IFT
TRUE-50S-IFT

GAS-FIRED



This appliance may be installed as an OEM installation in manufactured home (USA only) or mobile home and must be installed in accordance with the manufacturer's instructions and the *Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280* in the United States, or the *Standard for Installation in Mobile Homes, CAN/CSA Z240 MH Series*, in Canada.

This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

⚠ WARNING:

FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do 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.
 - Leave the building immediately.
 - 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.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

DANGER



**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter.

See appliance installation manual for additional Commonwealth of Massachusetts requirements.

1 Welcome

Read this manual before operating this appliance.
Please retain this Owner's Manual for future reference.

Read the Installation Manual before making any installation or finishing changes.

A. Congratulations

Congratulations on selecting a Heat & Glo gas fireplace, an elegant and clean alternative to wood burning fireplaces. The Heat & Glo gas fireplace you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a new fireplace, you'll want to read and carefully follow all of the instructions contained in this owner's manual. Pay special attention to all cautions and warnings.

This owner's manual should be retained for future reference. We suggest that you keep it with your other important documents and product manuals.

The information contained in this owner's manual, unless noted otherwise, applies to all models and gas control systems.

Your new Heat & Glo gas fireplace will give you years of durable use and trouble-free enjoyment. Welcome to the Heat & Glo family of fireplace products!

Local Dealer Information

DEALER: Fill in your name, address, phone and email information here and appliance information below.

Dealer Name: _____
Address: _____
Phone: _____
Email: _____

Appliance Information:

Brand: _____ Model Name: _____
Serial Number: _____ Date Installed: _____

Listing Label Information/Location

The model information regarding your specific fireplace can be found on the rating plate usually located in the control area of the fireplace.

Type of Gas

Gas and Electric Information

Model Number

Serial Number

HEAT & GLO No one builds a better fire		Heat & Glo, a brand of Hearth & Home Technologies 7571 215th Street West, Lakeville, MN 55044		GAS-FIRED UL LISTED	
Not for use with solid fuel. (Ne doit pas être utilisé avec un combustible solide).					
Type of Gas (Sorte De Gaz): NATURAL GAS This appliance must be installed in accordance with local codes, if any; if not, follow ANSI Z223.1 in the USA or CAN/CGA B149 installation codes. (Installer l'appareil selon les codes ou règlements locaux ou, en l'absence de tels règlements, selon les codes d'installation CAN/CGA-B149.)					
ANSI Z21XX-XXXX · CSA 2.XX-MXX · UL307B					
Minimum Permissible Gas Supply for Purposes of Input Adjustment.					
Approved Minimum (De Gaz) Acceptable		0.0 in w.c.		(Po. Col. d'eau)	
Maximum Pressure (Pression)		0.0 in w.c.		(Po. Col. d'eau)	
Maximum Manifold Pressure (Pression)		0.0 in w.c.		(Po. Col. d'eau)	
Minimum Manifold Pressure (Pression)		0.0 in w.c.		(Po. Col. d'eau)	
Total Electrical Requirements: 000Vac, 00Hz., less than 00 Amperes				MADE IN USA	
ALTITUDE: 0-0000 FT.		IN CANADA 0000-0000FT.		Model: XXXXXXXX	
MAX. INPUT BTUH: 00,000		00,000		(Modele):	
MIN. INPUT BTUH: 00,000		00,000		Serial: XXXXXXXX	
ORIFICE SIZE: #XXXXX		#XXXXX		(Serie):	

▲ Safety Alert Key:

- **DANGER!** Indicates a hazardous situation which, if not avoided will result in death or serious injury.
- **WARNING!** Indicates a hazardous situation which, if not avoided could result in death or serious injury.
- **CAUTION!** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- **NOTICE:** Used to address practices not related to personal injury.

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➔ = Contains updated information.

B. Limited Lifetime Warranty

Hearth & Home Technologies LIMITED LIFETIME WARRANTY

Hearth & Home Technologies, on behalf of its hearth brands (“HHT”), extends the following warranty for HHT gas, wood, pellet, coal and electric hearth appliances that are purchased from an HHT authorized dealer.

WARRANTY COVERAGE:

HHT warrants to the original owner of the HHT appliance at the site of installation, and to any transferee taking ownership of the appliance at the site of installation within two years following the date of original purchase, that the HHT appliance will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. HHT, at its own discretion, may fully discharge all of its obligations under such warranties by replacing the product itself or refunding the verified purchase price of the product itself. The maximum amount recoverable under this warranty is limited to the purchase price of the product. This warranty is subject to conditions, exclusions and limitations as described below.

WARRANTY PERIOD:

Warranty coverage begins on the date of original purchase. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized HHT dealer/ distributor, whichever occurs earlier. The warranty shall commence no later than 24 months following the date of product shipment from HHT, regardless of the installation or occupancy date. The warranty period for parts and labor for covered components is produced in the following table.

The term “Limited Lifetime” in the table below is defined as: 20 years from the beginning date of warranty coverage for gas appliances, and 10 years from the beginning date of warranty coverage for wood, pellet, and coal appliances. These time periods reflect the minimum expected useful lives of the designated components under normal operating conditions.

Warranty Period		HHT Manufactured Appliances and Venting							Components Covered
Parts	Labor	Gas	Wood	Pellet	EPA Wood	Coal	Electric	Venting	
1 Year		X	X	X	X	X	X	X	All parts and material except as covered by Conditions, Exclusions, and Limitations listed
2 years				X	X	X			Igniters, electronic components, and glass
		X	X	X	X	X			Factory-installed blowers
			X						Molded refractory panels
		X							Ignition Modules
3 years				X					Firepots and burnpots
5 years	1 year			X	X				Castings and baffles
7 years	3 years		X	X	X				Manifold tubes, HHT chimney and termination
10 years	1 year	X							Burners, logs and refractory
Limited Lifetime	3 years	X	X	X	X	X			Firebox and heat exchanger
90 Days		X	X	X	X	X	X	X	All replacement parts beyond warranty period

See conditions, exclusions, and limitations on next page.

B. Limited Lifetime Warranty (*continued*)

WARRANTY CONDITIONS:

- This warranty only covers HHT appliances that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- This warranty is only valid while the HHT appliance remains at the site of original installation.
- This warranty is only valid in the country in which the HHT authorized dealer or distributor that sold the appliance resides.
- Contact your installing dealer for warranty service. If the installing dealer is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking warranty service from a dealer other than the dealer from whom you originally purchased the product.
- Check with your dealer in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this warranty.

WARRANTY EXCLUSIONS:

This warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur. This is not a flaw and is not covered under warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items, or other external sources and residues left on the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period. These parts include: paint, wood, pellet and coal gaskets, firebricks, grates, flame guides, batteries and the discoloration of glass.
- Expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the appliance in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the appliance; (2) failure to install the appliance in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/incorrectly performed repairs; (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operating instructions; (7) installation or use of components not supplied with the appliance or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the appliance.
- Non-HHT venting components, hearth components or other accessories used in conjunction with the appliance.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.
- HHT's obligation under this warranty does not extend to the appliance's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

This warranty is void if:

- The appliance has been over-fired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
- The appliance is subjected to prolonged periods of dampness or condensation.
- There is any damage to the appliance or other components due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

LIMITATIONS OF LIABILITY:

- The owner's exclusive remedy and HHT's sole obligation under this warranty, under any other warranty, express or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above. In no event will HHT be liable for any incidental or consequential damages caused by defects in the appliance. Some states do not allow exclusions or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific rights; you may also have other rights, which vary from state to state. EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE.

2 Product Specific Information

A. Appliance Certification

MODELS: TRUE-36G-IFT, TRUE-36H-IFT, TRUE-36S-IFT,
TRUE-42G-IFT, TRUE-42H-IFT, TRUE-42S-IFT
TRUE-50H-IFT, TRUE-50S-IFT

LABORATORY: Underwriters Laboratories, Inc. (UL)

TYPE: Direct Vent Heater

STANDARD: ANSI Z21.88-2014 • CSA 2.33-2014

This product is listed to ANSI standards for “Vented Gas Fireplace Heaters” and applicable sections of “Gas Burning Heating Appliances for Manufactured Homes and Recreational Vehicles”, and “Gas Fired Appliances for Use at High Altitudes”.

NOTICE: This installation must conform with local codes. In the absence of local codes you must comply with the National Fuel Gas Code, ANSI Z223.1-latest edition in the U.S.A. and the CAN/CGA B149 Installation Codes in Canada.

NOT INTENDED FOR USE AS A PRIMARY HEAT SOURCE.

This appliance is tested and approved as either supplemental room heat or as a decorative appliance. It should not be factored as primary heat in residential heating calculations.

Installation and service of this appliance should be performed by qualified personnel. Hearth & Home Technologies recommends HHT Factory Trained or NFI certified professionals.



B. Glass Specifications

This appliance is equipped with 5 mm ceramic glass with an anti-reflective coating. Replace glass only with glass with identical specifications. Please contact your dealer for replacement glass.

C. BTU Specifications

Models (U.S. or Canada)		Maximum Input BTU/h	Minimum Input BTU/h	Orifice Size (DMS)
TRUE-36G-IFT TRUE-36H-IFT TRUE-36S-IFT (NG)	(0-2000 FT)	45,500	28,000	#30
TRUE-36G-IFT TRUE-36H-IFT TRUE-36S-IFT (LP)	(0-2000 FT)	43,500	24,000	#47
TRUE-42G-IFT TRUE-42H-IFT TRUE-42S-IFT (NG)	(0-2000 FT)	55,500	30,500	#26
TRUE-42G-IFT TRUE-42H-IFT TRUE-42S-IFT (LP)	(0-2000 FT)	47,500	23,500	#45
TRUE-50H-IFT TRUE-50S-IFT (NG)	(0-2000 FT)	65,000	36,000	#24
TRUE-50H-IFT TRUE-50S-IFT (LP)	(0-2000 FT)	57,500	30,250	#43

3 Important Safety and Operating Information

A. Appliance Safety

WARNING! DO NOT operate fireplace before reading and understanding operating instructions. Failure to operate fireplace according to operating instructions could cause fire or injury.



- Keep children away.
- CAREFULLY SUPERVISE children in same room as fireplace.
- Alert children and adults to hazards of high temperatures.

High temperatures may ignite clothing or other flammable materials.

- Clothing, furniture, draperies, and other flammable materials must not be placed on or near the appliance.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals. DO NOT operate the appliance with the barrier removed. If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

Contact your dealer or Hearth & Home Technologies if the barrier is not present or help is needed to properly install one.

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns.

- A physical barrier is recommended if there are at risk individuals in the house.
- To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.
- Install a switch lock or a wall/remote control with child protection lockout feature.
- Keep remote controls out of reach of children.
- Never leave children alone near a hot fireplace, whether operating or cooling down.

- Teach children to NEVER touch the fireplace.
- Consider not using the fireplace when children will be present.

Contact your dealer for more information, or visit: www.hpba.org/safety-information.

To prevent unintended operation when not using your fireplace for an extended period of time (summer months, vacations, trips, etc):

- Remove batteries from remote controls.
- Turn off wall controls.
- Set the selector switch on the control module to the OFF position and remove batteries.

Clear Space

WARNING! DO NOT place combustible objects in front of the fireplace or block louvers. High temperatures may start a fire. See Figure 3.1.

Avoid placing candles and other heat-sensitive objects on mantel or hearth. Heat may damage these objects.

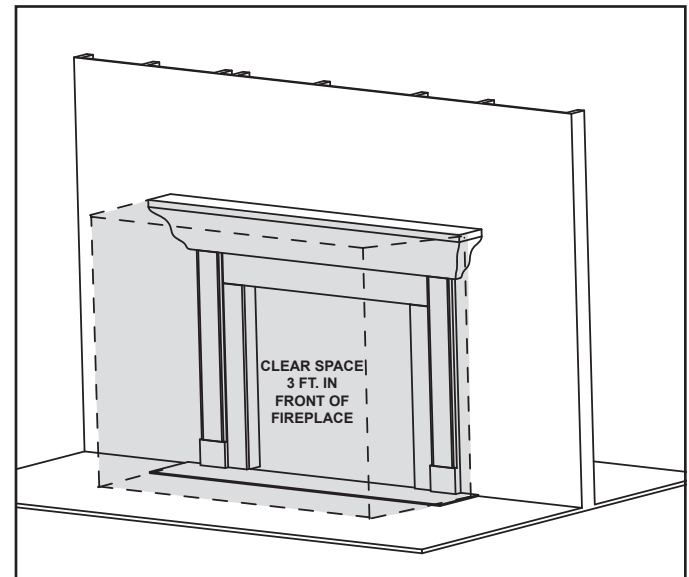


Figure 3.1 Clear Space Requirement

Over Firing

The appliance is considered to be over firing if the flames are contacting the top of the firebox. Call a qualified service technician to service the appliance

B. General Operating Parts

Figure 3.2 references the general operating parts of the appliance and the section of this manual in which they are discussed.

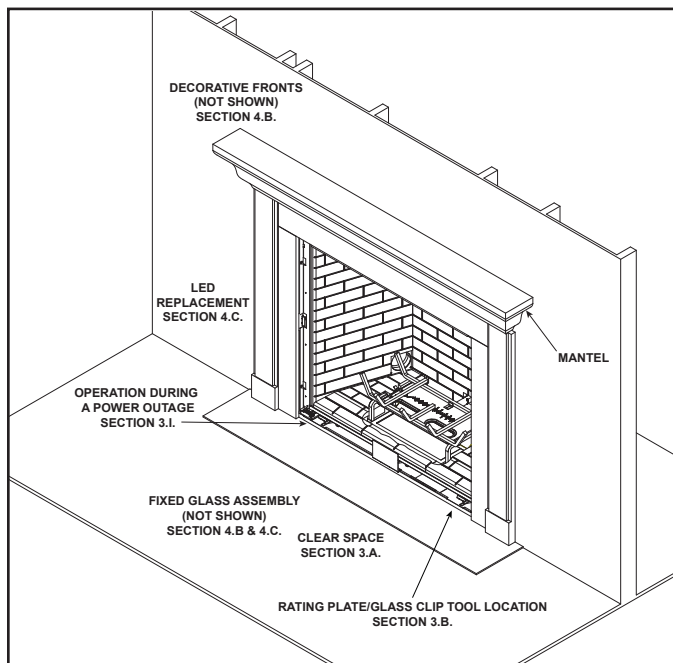


Figure 3.2 General Operating Parts

Rating Plate/Glass Clip Tool Location

The rating plate for this model is located underneath the firebox affixed to a tray that must be accessed using a 1/4 inch nut driver. See Figure 3.3. To access the rating plate, remove the screw that secures the tray to the appliance bottom and pull the tray out.

The glass clip removal/installation tool is also located in this area. To access the glass clip tool, remove the screw that secures it to the appliance bottom.

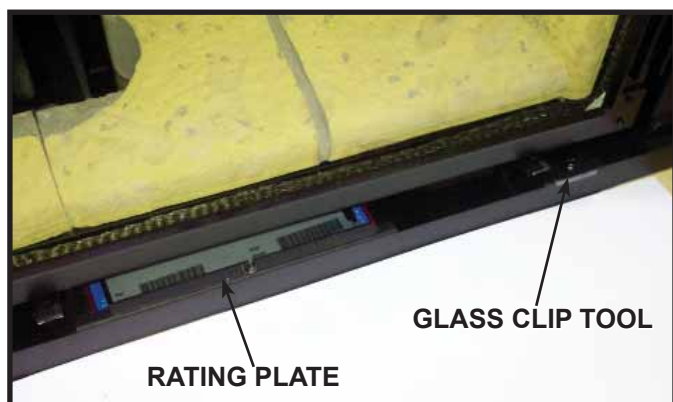


Figure 3.3 Rating Plate/Glass Clip Tool Location

C. Fuel Specifications

WARNING! Risk of Fire or Explosion! Appliance must be set up for compatible gas type!

- This appliance is designed to operate on either natural gas or propane. Make sure the appliance is compatible with gas type selected for installation site.
- Conversions must be made by a qualified service technician using Hearth & Home Technologies specified and approved parts.

D. Good Faith Wall Surface/TV Guidelines

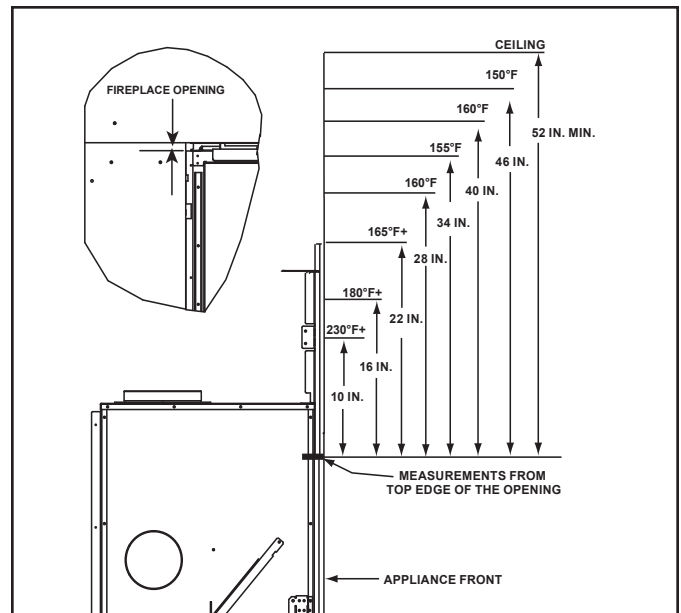
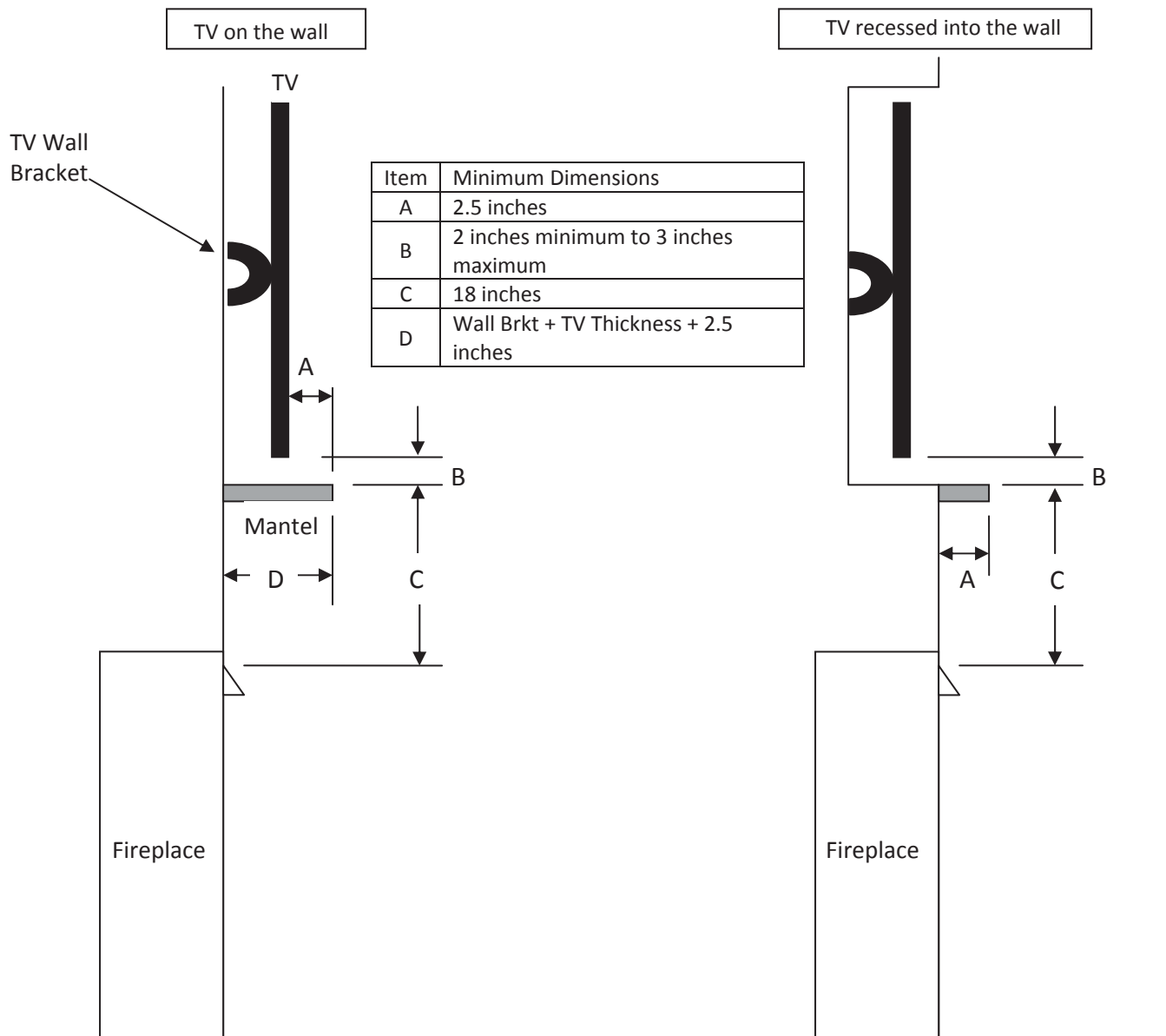


Figure 3.4. Good Faith Wall Surface Temperatures Above Appliance

NOTICE: Temperatures listed above are taken with a temperature measuring probe as prescribed by the test standard used for appliance certification. Temperatures on walls or mantels taken with an infrared thermometer may yield increased temperatures of up to 30 degrees or more depending on the thermometer settings and material characteristics being measured.

Good Faith Guidelines for TV Installation's above a Typical Gas Fireplace



Notes:

1. These are good faith recommended clearances only and not a guarantee of compliance with all TV manufacturers' maximum allowable operating temperatures.
2. Since every home has unique air flow characteristics and maximum allowable operating temperatures can vary from manufacturer to manufacturer and from model to model, actual TV temperatures should be validated at the time of each installation. TVs should not be used in situations where the actual TV temperature exceeds the manufacturers' maximum allowable operating temperatures identified in the TV's technical specifications. Contact the TV's manufacturer directly if you cannot locate this information or have questions regarding the information.
3. Mantel height and depth must conform to mantle requirements specified in the fireplace installation manual.
4. "C" dimension taken from the top of the hood or fireplace opening.
5. Suggestions on how to further reduce TV temperatures:
 - a. Increase "A" dimension.
 - b. Increase "C" dimension, however, increasing "B" dimension beyond maximum recommended typically results in higher temperatures.

Figure 3.5. Good Faith TV Guidelines

E. Before Lighting Appliance

Before operating this fireplace for the first time, **have a qualified service technician:**

- Verify all shipping materials have been removed from inside and/or underneath the firebox.
- Review proper placement of logs, ember material and/or other decorative materials.
- Check the wiring.
- Check the air shutter adjustment.
- Ensure that there are no gas leaks.
- Ensure that the glass is sealed and in the proper position and that the integral barrier is in place.

WARNING! Risk of Fire or Asphyxiation! DO NOT operate fireplace with fixed glass assembly removed.

F. Lighting Instructions (IPI)

FOR YOUR SAFETY READ BEFORE LIGHTING



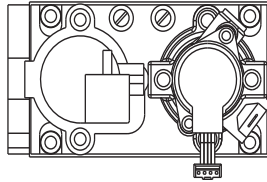
WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This appliance is equipped with an intermittent pilot ignition (IPI) device which automatically lights the burner. **DO NOT** try to light the burner by hand.
 - B. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS**
- **DO NOT** try to light any appliance.
 - **DO NOT** touch any electric 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.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, **DO NOT** try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
 - D. **DO NOT** use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS (IPI)

1. This appliance is equipped with an ignition device which automatically lights the burner. **DO NOT** try to light the burner by hand.
2. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, **STOP!** Follow "B" in the Safety Information located on the top of this label. If you do not smell gas, go to next step.
3. To light the burner:
Equipped with wall switch: Turn ON/OFF switch to ON.
Equipped with remote or wall control: Press ON or FLAME button.
Equipped with thermostat: Set temperature to desired setting.
4. If the appliance does not light after three tries, call your service technician or gas supplier.

**GAS
VALVE**



TO TURN OFF GAS TO APPLIANCE

1. Equipped with wall switch: Turn ON/OFF switch to OFF.
Equipped with remote or wall control: Press OFF button.
Equipped with thermostat: Set temperature to lowest setting.
2. Service technician should turn off electric power to the control when performing service.



DANGER



**HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.**

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

WARNING:

DO NOT CONNECT LINE VOLTAGE (110/120 VAC OR 220/240 VAC) TO THE CONTROL VALVE.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

If not installed, operated, and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel or fuel combustion which are known to the State of California to cause cancer, birth defects, or other reproductive harm.

Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

CAUTION:

Hot while in operation. **DO NOT** touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

DO NOT operate the appliance with fixed glass assembly removed, cracked or broken. Replacement of the fixed glass assembly should be done by a licensed or qualified service person.

NOT FOR USE WITH SOLID FUEL

For use with natural gas and propane. A conversion kit, as supplied by the manufacturer, shall be used to convert this appliance to the alternate fuel.

Also Certified for Installation in a Bedroom or a Bedsitting Room.

This appliance must be installed in accordance with local codes, if any; if none, follow the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or the *National Gas and Propane Installation code, CSA B149.1*.

For additional information on operating your
Hearth & Home Technologies fireplace, please refer to www.fireplaces.com.

593-913i

G. Appliance Break-In

Follow the initial break-in procedure below to cure the materials used to manufacture the fireplace and the finishing materials around it.

- The fireplace should be run three to four hours continuously on high.
- Turn the fireplace off and allow it to cool completely.
- Remove fixed glass assembly. See Section 4.B.
- Clean fixed glass assembly. See Section 4. Clean glass refractory on a TRUE-G appliance. See Section 11 of the appliance installation manual.
- Replace the fixed glass assembly and run continuously on high an additional 12 hours.

Note: The IPI system has a safety feature that automatically shuts down the fireplace after 9 hours of continuous operation without receiving a command from the remote control. If this occurs, restart the appliance.

NOTICE! Open windows for air circulation during fireplace break-in.

- *Some people may be sensitive to smoke and odors.*
- *Smoke detectors may activate.*

H. Heat Management

Heat Output

Heat output may be controlled on TRUE models by adjusting the “FLAME” setting on the remote control.

I. Operation During A Power Outage - Intellifire™ Touch

The Intellifire™ Touch intermittent pilot ignition system comes with a battery backup system that enables the system to operate in a power outage. The system offers seamless transition from household AC power to battery backup. A factory-installed battery pack is located in the control cavity of the appliance. See Figure 3.5. Battery longevity and performance will be affected by long term exposure to the service temperatures of this appliance.

NOTICE: Batteries should only be used as a power source in the event of an emergency power outage. Batteries should not be used as a primary long-term power source.

To Operate Fireplace Using Battery Power (DC):

1. Access the control cavity of the appliance. See Figure 3.6 for location. The decorative front and front refractory may need to be removed.
2. Locate the battery tray and insert four AA cell batteries. Battery polarity must be correct or module damage will occur. See Figure 3.6. A complete wiring diagram is included in the Electrical section of the appliance Installation Manual.
3. Turn the appliance on according to the instructions below for the appropriate type of control:

Standard Wall Switch or Factory-Installed ON/OFF Switch:

- Toggle the switch as you would under normal circumstances.

Wireless Remote:

- Remote receiver is integrated into the ignition module
- Use the remote to turn the appliance on.
- To preserve battery life, do not use the HI/LO flame or THERMOSTAT options.

Ignition Module:

- Locate the ignition module in the control cavity.
- Slide the ON/REMOTE/OFF switch to the ON position.

NOTICE: Some functionality will be lost when using battery backup including fan, lights, or any other auxiliary functions that require household 110-120 VAC power.

To Return to Operation Using Electrical (AC) Power

Standard Wall Switch or Factory-Installed ON/OFF Switch:

- Toggle the switch to OFF and remove the batteries from the battery tray. Replace door or decorative front on appliance.

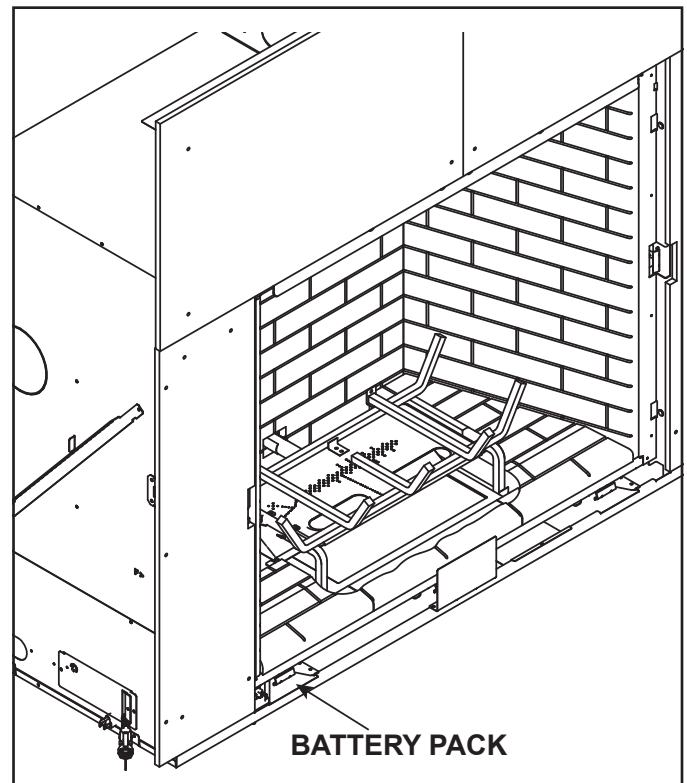
Wireless Remote:

- Slide the ON/REMOTE/OFF switch to the REMOTE position. Remove the batteries from the battery tray. Replace door or decorative front on appliance.

Ignition Module:

- Slide the ON/REMOTE/OFF switch to the REMOTE position.

Remove the batteries from the battery tray. Replace door or decorative front on appliance.



3.6 Battery Pack Location

J. Detailed Component Operating Instructions - Intellifire™ Touch

IFT-ECM Detailed Operating Instruction

This model is shipped from the factory equipped with the IFT-RC400 remote.

1. The Electronic Control Module (IFT-ECM) has a three-position ON/OFF/REMOTE selector switch that must be set for proper operation. See Figure 3.7. When changing switch positions, it is important to pause in each position for 1-2 seconds.

OFF Position:

The appliance will not respond to any commands from a wired wall switch, IFT-RC150 or IFT-RC400 remote controls. The unit should be in the OFF position during installation, service, backup battery installation, fuel conversion and to reset the IFT-ECM in the event the system goes into a LOCK-OUT mode as the result of a system error. When switched to the OFF position while the appliance is operating, the system will shut down.

ON Position:

The appliance will ignite and run continuously at the HI flame setting. No adjustment in flame height is possible.

The IFT-ECM has a safety feature that will automatically shut down the fireplace after 9 hours of continuous operation in the ON position.

Remote Position:

The remote position allows operation of the appliance from a wired wall switch, IFT-RC400 or IFT-RC150 remote controls. The IFT-ECM switch must be in this position to pair the IFT-ECM with the IFT-ACM (if installed), and/or IFT-RC400 and IFT-RC150 remote controls. See the IFT-RC400 or IFT-RC150 installation manual for detailed instructions on pairing the IFT-ECM with the remote controls. After successfully pairing a IFT-RC400, all installed accessories can be controlled by the IFT-RC400 (see IFT-RC400 user manual). The RC150 allows the user to turn ON/OFF the flame in the appliance and activate the Cold Climate mode if desired. The IFT-ECM has a safety feature that will automatically shut down the fireplace after 9 hours of continuous operation without receiving a command from the IFT-RC400 or IFT-RC150.

2. If multiple control options are installed, the IFT-ECM will respond to the last command from the wired wall switch, IFT-RC400 or IFT-RC150. The wired wall switch is NOT available if a Power Vent is used.
3. The Pilot button on the IFT-ECM activates the Cold Climate function of the fireplace. This function lights the pilot flame ONLY to provide enough heat in the

firebox to reduce condensation in cool, high humidity ambient conditions. To activate the Cold Climate press and hold the Pilot button for one second and release. The IFT-ECM will flash two green LED blinks, beep twice and light and rectify the pilot flame when pressed to activate. To turn off Cold Climate, press and hold the Pilot button for one second and release. The IFT-ECM will flash one green LED blink, beep once and shut down the pilot flame. If remote controls are paired with the IFT-ECM, this feature can also be activated with the IFT-RC400 and/or IFT-RC150.

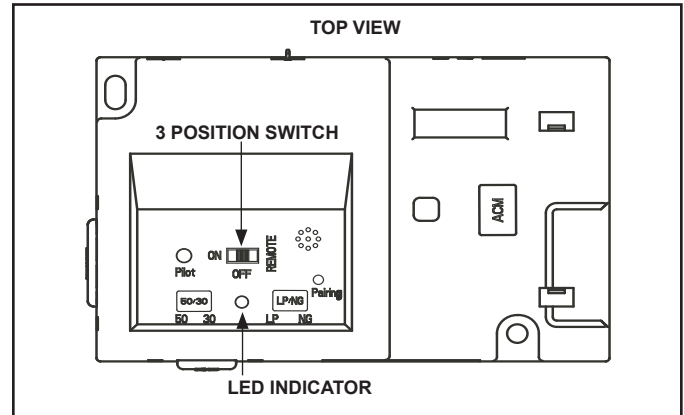


Figure 3.7. IFT-ECM

DANGER

Risk of Explosion
DO NOT cycle the ON/OFF/REM selector switch more than one time within a five minute period. Gas may accumulate in firebox. Call a qualified service technician.

4. An IFT-ECM reset is required if the module is in a lock-out condition. When this occurs, the appliance is shut down and the IFT-ECM status indicator LED will be blinking a RED/GREEN error code along with a one-time audible double-beep. If the IFT-ECM is in a lock-out condition, refer to the troubleshooting chart to interpret the error code and take corrective action as required. To reset the IFT-ECM after a lock-out error:

CAUTION! Risk of burns! Appliance surfaces are hot when operating and during cool down. Use care and wear gloves when opening the front and accessing components inside the appliance.

- Be aware the appliance may be HOT, use care in accessing the IFT-ECM.
- Set the IFT-ECM 3-position selector switch to OFF position.

- Wait five (5) minutes to allow possible accumulated gas to clear.
- Set the IFT-ECM 3-position selector switch to ON or IFT-REM position. Module will beep once and flash a three GREEN LED code on successful startup.
- If placed in ON position, the appliance will ignite normally if the error condition was corrected.
- If placed in IFT-REM position, use the paired IFT-RC400, IFT-RC150 or wired wall switch to start the appliance; appliance will ignite normally if the error condition was corrected.
- If the IFT-ECM re-enters the lock-out condition after these steps, call your dealer for service.

Appliance ON/OFF:

Your TRUE fireplace is supplied with a fully functional remote control. This remote controls:

- ON/OFF Functions
- Flame height adjustments
- Thermostat
- Electric Ember Bed
- Cold Climate Feature
- Optional Heat-Zone[®] Kit

Please refer to the instructions included with the remote control for more detailed operating instructions.

Electric Embers

- Electric Embers are a standard feature on all TRUE fireplaces.
- The intensity of the these lights may be controlled through the remote control included with your fireplace.

Optional Heat-Zone[®] Gas Kit

Once the optional Heat-Zone[®] Kit is installed by a qualified service technician during the appliance installation process, follow the instruction supplied with the kit for operation.

- Use the RC400 remote to set the Heat-Zone[®] to HI, MED, LO or OFF. The Fan Speed dynamic icon is used to change the setting. Refer to the RC400 quick reference guide in section 6.C.

4 Maintenance and Service

Any safety screen or guard removed for servicing must be replaced prior to operating the fireplace.

When properly maintained, your fireplace will give you many years of trouble-free service. **Contact your dealer** to answer questions regarding proper operation, troubleshooting and service for your appliance. Visit www.heatnglo.com to locate a dealer. We recommend annual service by a qualified service technician.

A. Maintenance: Frequency and Tasks

Task	Frequency	To be completed by
Glass Cleaning/ Exterior	Seasonally	Homeowner
Decorative Fronts/ Surrounds	Annually	
Remote Control	Seasonally	
Venting	Seasonally	
Glass Cleaning/ Interior	Annually	Qualified Service Technician
Gasket Seal and Glass Inspection	Annually	
Log Inspection	Annually	
Firebox Inspection	Annually	
Control Compartment & Firebox Top	Annually	
L.E.D Replacement	As needed	
Burner Ignition & Operation	Annually	

B. Maintenance Tasks - Homeowner

Installation and repair should be done by a qualified service technician only. The appliance should be inspected before use and at least annually by a professional service person.

The following tasks may be performed annually by the homeowner. If you are uncomfortable performing any of the listed tasks, please call your dealer for a service appointment.

More frequent cleaning may be required due to excessive lint from carpeting, bedding material, et cetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean. Any safety screen, guard, or barrier removed for servicing the appliance must be replaced prior to operating the appliance.

CAUTION! Risk of Burns! The fireplace should be turned off and cooled before servicing.

Glass Cleaning

(Exterior of Installed Glass Only)

Frequency: Seasonally

By: Homeowner

Tools Needed: Protective gloves, ceramic glass cleaner, drop cloth and a stable work surface.

WARNING! Risk of Injury! Glass installation and removal must be performed only by a qualified service technician.

- Homeowner may only clean outsides of glass.
- Call your dealer for a service appointment to have inside of glass cleaned.

CAUTION! Glass is breakable.

- Avoid striking, scratching or slamming glass
- Avoid abrasive cleaners
- **DO NOT** clean glass while it is hot
- Clean glass with a non-abrasive commercially available ceramic glass cleaner.

NOTICE! Use only glass cleaner compatible with ceramic glass. Other types of glass cleaner may damage the glass surface when exposed to high temperatures.

- Light deposits: Use a soft cloth with soap and water
- Heavy deposits: Use commercial fireplace glass cleaner (consult with your dealer)

Decorative Fronts, Surrounds

Frequency: Annually

By: Homeowner

Tools needed: Protective gloves, stable work surface

- Assess condition of screen and replace as necessary.
- Inspect for scratches, dents or other damage and repair as necessary.
- Check that louvers are not blocked.
- Vacuum and dust surfaces.

Remote Control

Frequency: Seasonally

By: Homeowner

Tools needed: Replacement batteries and remote control instructions.

- Locate remote control transmitter and receiver.
- Verify operation of remote. Refer to remote control operation instructions for proper calibration and setup procedure.
- Replace batteries as needed in remote transmitters.
- Place remote control out of reach of children.

If not using your fireplace for an extended period of time (summer months, vacations/trips, etc), to prevent unintended operation:

- Remove batteries from remote controls.
- Turn the ON/OFF/REMOTE switch on the control module to OFF.

Venting

Frequency: Seasonally

By: Homeowner

Tools needed: Protective gloves and safety glasses.

- Inspect venting and termination cap for blockage or obstruction such plants, bird nests, leaves, snow, debris, etc.
- Verify termination cap clearance to subsequent construction (building additions, decks, fences, or sheds).
- Inspect for corrosion or separation.
- Verify weather stripping, sealing and flashing remains intact.

C. Maintenance Tasks - Qualified Service Technician

The following tasks must be performed by a qualified service technician.

Glass Cleaning

(Exterior and Interior of Installed Glass)

Frequency: Seasonally

By: Qualified Service Technician

Tools Needed: Protective gloves, ceramic glass cleaner, drop cloth and a stable work surface.

WARNING! Risk of Injury! *Glass installation and removal must be performed only by a qualified service technician.*

CAUTION! Handle fixed glass assembly with care. *Glass is breakable.*

- Avoid striking, scratching or slamming glass
- Avoid abrasive cleaners
- **DO NOT** clean glass while it is hot

NOTICE! Use only glass cleaner compatible with ceramic glass. *Other types of glass cleaner may damage the glass surface when exposed to high temperatures.*

- Prepare a work area large enough to accommodate fixed glass assembly and door frame by placing a drop cloth on a flat, stable surface.

Note: Fixed glass assembly and gasketing may have residue that can stain carpeting or floor surfaces.

- Remove decorative front from fireplace and set aside on work surface.
- See appliance installation manual for instructions to remove fixed glass assembly.
- Clean glass with a non-abrasive commercially available ceramic glass cleaner.
 - Light deposits: Use a soft cloth with soap and water.
 - Heavy deposits: Use commercial fireplace glass cleaner (consult with your dealer).
- See appliance installation manual for instructions to replace the fixed glass assembly.
- Reinstall decorative front.

Gasket Seal and Glass Assembly Inspection

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, drop cloth and a stable work surface.

- Inspect gasket seal and its condition.
- Inspect fixed glass assembly for scratches and nicks that can lead to breakage when exposed to heat.
- Confirm there is no damage to glass or glass frame. Replace as necessary.

- Verify that fixed glass assembly is properly retained and attachment components are intact and not damaged. Replace as necessary.

Logs

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves.

- Inspect for damaged or missing logs. Replace as necessary. Refer to Installation manual for log placement instructions.
- Verify correct log placement and no flame impingement causing sooting. Correct as necessary.

Firebox

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, sandpaper, steel wool, cloths, mineral spirits, primer and touch-up paint.

- Inspect for paint condition, warped surfaces, corrosion or perforation. Sand and repaint as necessary.
- Replace fireplace if firebox has been perforated.

Control Compartment and Firebox Top

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, vacuum cleaner, dust cloths

- Vacuum and wipe out dust, cobwebs, debris or pet hair. Use caution when cleaning these areas. Screw tips that have penetrated the sheet metal are sharp and should be avoided.
- Remove all foreign objects.
- Verify unobstructed air circulation.

L.E.D Replacement

Frequency: As needed

By: Qualified Service Technician

Tools needed: Protective gloves, replacement LED assemblies, 1/4 inch nut driver.

The LEDs installed in this appliance do not require any annual service. However, the LED assemblies can be replaced. To replace:

- Remove Logs, Grate/Burner, Base refractory.
- Remove the ember glass assembly. The LED box can be lifted out of the fireplace at this point.
- See replacement parts list for LED part numbers.

Burner Ignition and Operation

Frequency: Annually

By: Qualified Service Technician

Tools needed: Protective gloves, vacuum cleaner, whisk broom, flashlight, voltmeter, indexed drill bit set, and a manometer.

- Verify burner is properly secured and aligned with pilot or igniter.
- Clean off burner top, inspect for plugged ports, corrosion or deterioration. Replace burner if necessary.
- Replace Glowing embers with new dime-size pieces. **DO NOT** block ports or obstruct lighting paths. Refer to appliance installation manual for proper ember placement.
- Verify batteries have been removed from battery back-up IPI systems to prevent premature battery failure or leaking.
- Check for smooth lighting and ignition carryover to all ports. Verify that there is no ignition delay.
- Inspect for lifting or other flame problems.
- Verify air shutter setting is correct. See Installation Manual for required air shutter setting. Verify air shutter is clear of dust and debris.
- Inspect orifice for soot, dirt and corrosion. Verify orifice size is correct. See Service Parts List for proper orifice sizing.
- Verify manifold and inlet pressures. Adjust regulator as required.
- Inspect pilot flame pattern and strength. See Figure 4.1 for proper pilot flame pattern. Clean or replace orifice spud as necessary.
- Inspect IPI flame sensing rod for soot, corrosion and deterioration. Polish with fine steel wool or replace as required.
- Verify that there is not a short in flame sense circuit by checking continuity between pilot hood and flame sensing rod. Replace pilot as necessary.

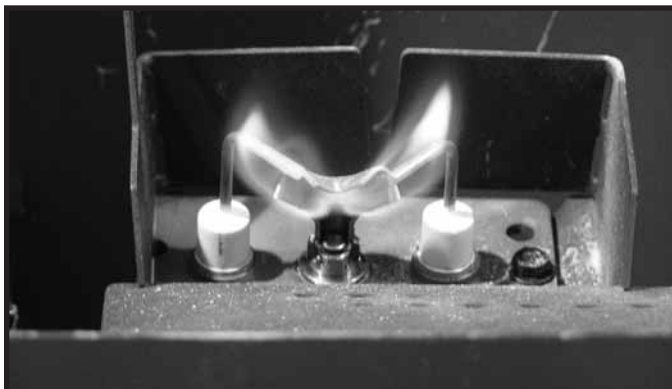


Figure 4.1 IPI Pilot Flame Patterns

5 Frequently Asked Questions and Troubleshooting

A. Frequently Asked Questions - Appliance

ISSUE	SOLUTIONS
Condensation on the glass	This is a result of gas combustion and temperature variations. As the fireplace warms, this condensation will disappear.
Blue flames	This is a result of normal operation and the flames will begin to yellow as the fireplace is allowed to burn for 20 to 40 minutes.
Odor from fireplace	When first operated, this fireplace may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing. Odor may also be released from finishing materials and adhesives used around the fireplace. These circumstances may require additional curing related to the installation environment.
Film on the glass	This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 3 to 4 hours of initial burning to remove deposits left by oils from the manufacturing process. A non-abrasive cleaner such as gas fireplace glass cleaner may be necessary. See your dealer.
Metallic noise	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the fireplace.
Is it normal to see the pilot flame burn continually?	In an intermittent pilot ignition system (IPI), the pilot flame should turn off when appliance is turned off. Some optional control systems available with IPI models may allow pilot flame to remain lit.
Teco-Sil	There may be some "cracking" noise coming from the fireplace during the first few heating and cooling cycles. This noise is associated with settling rock and some minor cracking of larger pieces of rock. This will lessen over time as the Teco-Sil is conditioned to the heating and cooling temperature changes.
Power Outages (battery backup)	This appliance can be operated on battery power in the event of a power outage. To access the battery pack, the decorative front, mesh and glass assembly must be removed. Refer to Section 3 for more details.
Wall above appliance feels hot to the touch.	No action necessary. This appliance ships with a non-combustible material attached. Specifications of the attached non-combustible material are listed in the Installer's Manual for this appliance.

B. Frequently Asked Questions - IntelliFire™ Touch Controls (IFT-RC400)

Symptom	Possible Cause	Corrective Action
The appliance does not respond to commands from the remote control display does not light up when screen is touched.	Batteries are depleted.	Verify batteries are new.
	Batteries are incorrectly oriented.	Verify batteries are installed in correct orientation as shown on batteries receptacle.
The display on remote lights up when screen is touched but it does not respond to commands.	Touchscreen has lost calibration.	Touchscreen needs to be re-calibrated. Call dealer to have screen re-calibrated.
	Child Lock is ON.	Check child lock icon located at the top of the remote display. If ON, it will show as a 'locked' symbol. To unlock, remove battery compartment door, locate child lock switch and move to 'unlock' position. Verify child lock icon on screen is now displayed in 'unlock' position.
The remote displays the following message on-screen: No dealer info available	Dealer information not programmed into remote.	Remote will still provide all available functions, and appliance is fully available for use. Call dealer to have them program.
The remote displays the following message on-screen: Call "Dealer Name & Number" to schedule maintenance.	300 hours of use. Appliance is still fully functional.	The appliance has been burning for 300 hours and is due for a regular maintenance. Call dealer to have them perform maintenance.
The room temperature displayed on the remote is either slow or quick to respond while operating in thermostat mode.	Remote is placed at a very short distance or too far away from the appliance.	Try to keep the remote close to the appliance but not directly in front of it. The remote acts as the thermostat.
	Remote is placed in the path of an air draft or vent.	Move the remote away from the direct path of air flow. The remote acts as the thermostat.
	Flame Modulation	The control system is designed to automatically adjust the flame intensity based on the difference between the desired room temperature, and actual temperature. In thermostat mode, the hearth appliance will start in HI flame, but as the actual temperature approaches the desired set temperature on the remote, the flame intensity will automatically decrease. Automatic flame modulation will result in more control of the temperature, but will cause the appliance to cycle OFF/ON less.
The appliance turns OFF the flame after extended periods of operation	9 hour safety shutdown timer	This is normal behavior. The appliance has a safety timer that will automatically turn OFF the flame after nine hours of uninterrupted operation.
The remote displays the following message on-screen: Fan will turn on within 3 minutes	Functioning as intended.	The appliance has a three minute delay timer before the fan is turned ON. This allows the air surrounding the appliance to be heated before being pushed into the room.
The remote displays the following message on-screen: "Replace remote batteries."	Low batteries in remote.	Install new batteries in the remote.
The remote is displaying an incorrect brand.	Remote was programmed incorrectly.	Call dealer to have them program the remote with correct branding. Remote is still fully functional and the appliance is unaffected.
After turning flame ON using remote, the flame does not turn ON immediately and instead a two minute timer is displayed.	Power vent is installed on the appliance.	This is expected behavior and the two minute timer is called a pre-purge timer. The flame will turn ON at the expiration of the timer.
The remote displays the following message on-screen: "Remote Control Communication Error."	No power to appliance.	Verify home circuit breaker is on and master reset is on (if equipped).
	Power outage.	Install new batteries in battery backup.

Contact your dealer for additional information regarding operation and troubleshooting. Visit www.heatnglo.com to locate a dealer.

C. Troubleshooting

With proper installation, operation, and maintenance your gas appliance will provide years of trouble-free service. If you do experience a problem, this troubleshooting guide will assist a qualified service technician in the diagnosis of a problem and the corrective action to be taken. This troubleshooting guide can only be used by a qualified service technician. Contact your dealer to arrange a service call by a qualified service technician.

IntelliFire™ Touch

Error Codes:

ECM LED Error Codes	Description
3 Red: 1 Green	IFT-RC400 error message: 'Appliance Safely Disabled', pilot sparks for 60 sec, no flame rectification.
2 Red: 1 Green	IFT-RC400 display: 'Error Pilot Flame', pilot valve solenoid not detected.
2 Red: 2 Green	Sparkling feedback signal error, spark coil failure.
5 Red: 1 Green	IFT-RC400 display: 'Error Power Vent' (if installed).

See Troubleshooting matrix for more detail on Lock-out Error Codes, Possible Causes and Corrective Actions.

Troubleshooting:

Symptom	Possible Cause	Corrective Action
Pilot won't light, module clicks but no spark 60 sec, 3 Red/1 Green Lock out.	Incorrect wiring.	Verify 'S' (White) sense wire and 'I' (orange) ignitor wire are connected to correct terminals on IFT-ECM.
	Loose connections or electrical shorts in wiring.	Verify no loose connections or electrical shorts in wiring from module to pilot assembly. Verify wire insulation is not damaged. Verify wires are not grounding out to chassis, pilot burner, or any other metal object. Replace any damaged wires.
	Ignitor gap is too large.	Verify spark gap is approximately 0.095" (2.41 mm) to 0.135" (3.43 mm).
Pilot won't light, there is no noise or spark.	No AC power, AC/DC adaptor faulty, backup batteries (if being used) depleted, IFT-ECM slider switch in OFF position.	Verify IFT-ECM slider switch is in ON or IFT-REM position. Verify AC power available to junction box. Verify AC/DC adaptor is plugged into junction box and ECM. Verify AC/DC adaptor output voltage is between 5.7-6.3 Vdc. If battery pack is used, check battery pack voltage is >4.2 V (if not, replace batteries).
	Shorted or loose connection in system wiring or wiring harness.	Verify system wiring configuration. Remove and reinstall wiring harness that plugs into module. Check continuity of wires in valve wiring harness. Replace any damaged components.
	Poor or no system ground.	Verify black ground wire in valve harness is connected to metal chassis of fireplace.
Pilot won't light, there is no noise or spark, 2 Red/1 Green Lockout.	Pilot solenoid not detected.	Check if valve harness orange wire is connected to pilot solenoid valve. Check pilot solenoid resistance, nominal is 40 ohms. If open or shorted, replace valve. Check valve harness wire continuity, if open replace 6-pin harness.
Pilot won't light, there is no noise or spark, 2 Red/2 Green Lockout.	Spark coil failure.	Replace ECM.

Intellifire™ Touch - (continued)

Symptom	Possible Cause	Corrective Action
Pilot sparks for 60 sec, but will not light, 3 Red/1 Green Lockout.	No gas supply.	Verify incoming gas line ball valve is 'Open'. Verify inlet pressure is within requirement for gas type used. Contact gas supplier.
	ECM has poor ground.	Verify wiring, check valve harness black wire is securely grounded to metal chassis.
	Gas valve defective.	Check pilot valve solenoid kick and hold voltages during ignition cycle. Kick V should be >1 V, hold V minimum 0.26 V. If voltages are OK, replace gas valve.
Pilot lights but main burner does not light. Pilot continues to spark for 60 sec then goes into 3 Red/1 Green Lockout.	No flame detected. Flame rectification issue.	Check if white sense lead is securely connected to 'S' terminal of IFT-ECM. Check resistance of sense lead between sense rod tip and connector to IFT-ECM, should be less than 1 ohm - if not, replace pilot assembly. Check system ground, ensure black valve harness wire is securely attached to metal chassis. Check wiring for damage. With system OFF, check resistance between tip of sense rod and pilot hood, should be resistance (>1 M-ohm).
	No flame detected or sense rod contamination.	With glass assembly installed, verify pilot flame is engulfing flame sense rod on pilot assembly. Verify inlet gas pressure is correct for gas type. Polish flame sense rod with fine steel wool to remove any contaminants that may have accumulated.
Pilot lights and rectifies, but main burner does not light.	Main valve solenoid.	Check if green wire in valve harness is connected to green main valve solenoid. Check main valve solenoid resistance, nominal is 60 ohms. If open or shorted, replace valve. Verify valve inlet pressure is correct for gas type.
Pilot and main do not light, ECM goes into 5 Red/1 Green Lockout.	Power Vent (PV) Failure.	Power Vent blower defective - check wiring to IFT-ACM, check if blower is working. Check if PV pressure switch is connected to brown and black wire in 6-pin valve wire harness. Check if pressure switch is closed (shorted) when PV blower is running. Refer to PV troubleshooting instructions.
Appliance lights and runs for a few minutes then shuts down and/or appliance cycle ON and OFF with less than 60 sec of ON time.	Shorted or loose connection in flame detection circuit.	Check if white sense lead is securely connected to 'S' terminal of IFT-ECM. Check resistance of sense lead between sense rod tip and connector to IFT-ECM, should be less than 1 ohm - if not, replace pilot assembly. Check system ground, ensure black valve harness wire is securely attached to metal chassis. Check wiring for damage. With system OFF, check resistance between tip of sense rod and pilot hood, should be resistance (>1 M-ohm).
	Poor flame rectification or contaminated sense rod.	With glass assembly installed, verify pilot flame is engulfing flame sense rod on pilot assembly. Verify inlet gas pressure is correct for gas type. Polish flame sense rod with fine steel wool to remove any contaminants that may have accumulated. Verify no soot deposits are in sense rod to pilot hood gap.
	Logs are set up wrong.	Remove and re-install logs per the log placement instructions.
	Damaged pilot assembly.	Verify the pilot assembly ceramic insulator around the flame sensing rod is not cracked, damaged or loose. Check resistance between tip of sense rod and IFT-ECM connector, should be less than 1 ohm. Replace pilot assembly if damage is detected.

6 Reference Materials

A. Accessories

Install approved accessories per instructions included with accessories. Contact your dealer for a list of approved accessories.

WARNING! Risk of Fire and Electric Shock! Use ONLY Hearth & Home Technologies-approved optional accessories with this appliance. Using non-listed accessories could result in a safety hazard and will void the warranty.

Remote Controls, Wall Controls and Wall

Switches

After a qualified service technician has installed the remote control, wall control or wall switch, follow the instructions supplied with the control installed to operate your fireplace:

For safety:

- Install a switch lock or a wall/remote control with child protection lockout feature.
- Keep remote controls out of reach of children.

See your dealer if you have questions.

Optional Heat-Zone® Gas Kit

An optional Heat-Zone® Kit is available for your appliance. It must be installed by a qualified service technician during the appliance installation process. Follow the instruction supplied with the kit for operation.

B. Service Parts



No one builds a better fire

TRUE-36S-IFT, TRUE-36H-IFT, TRUE-36G-IFT

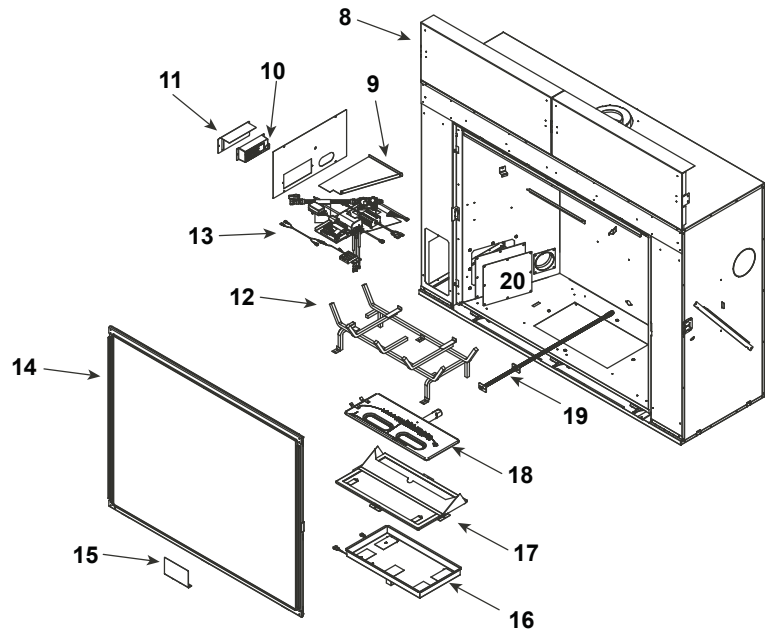
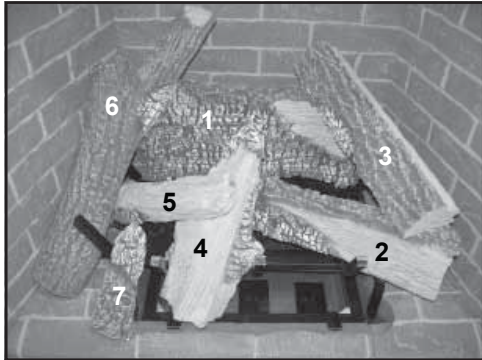
Service Parts

36" Clean Face Gas Fireplace - DV

Beginning Manufacturing Date: Feb 2017

Ending Manufacturing Date: Active

Log Set Assembly



IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.

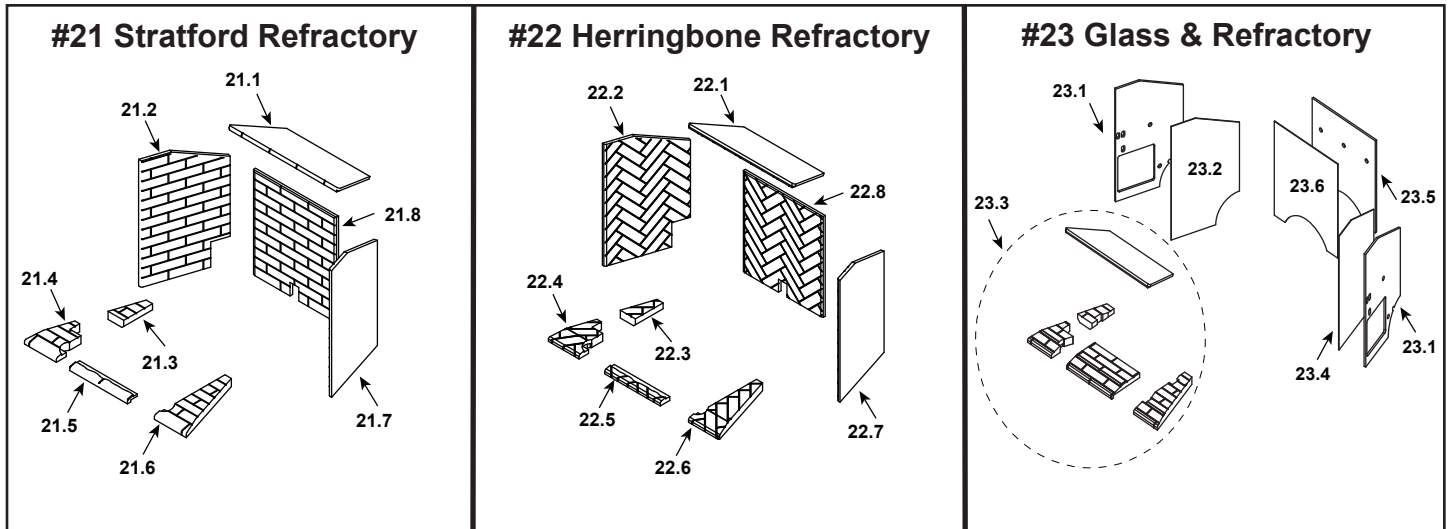


Stocked
at Depot

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	Log Assembly		LOGS-TRUE36	Y
1	Log 1		SRV2280-701	
2	Log 2		SRV2280-702	
3	Log 3		SRV2281-703	
4	Log 4		SRV2280-704	
5	Log 5		SRV2280-705	
6	Log 6		SRV2281-706	
7	Log 7		SRV2281-708	
8	Heat Shield, Header	Qty 2 req	2280-105	
9	Heat Shield, Valve		2281-153	
10	Junction box		4021-013	Y
11	J-Box Bracket		2281-154	
12	Grate Assembly		2280-015	
13	Valve Assembly		Refer to Valve Page	
14	Glass Assembly		GLA-2280	Y
15	Finishing Spacer		2281-113	
16	LED Tub Assembly		2280-017	
17	Inner Glass Frame Assembly		2280-019	
18	Burner Assembly		2280-007	Y
19	Orifice Bracket Flex		2012-008	Y
20	Access Plate		2281-117	
	Cover, Rear Light	TRUE-36G-IFT Only	2461-168	

Additional service parts on following page.

2/17



IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.

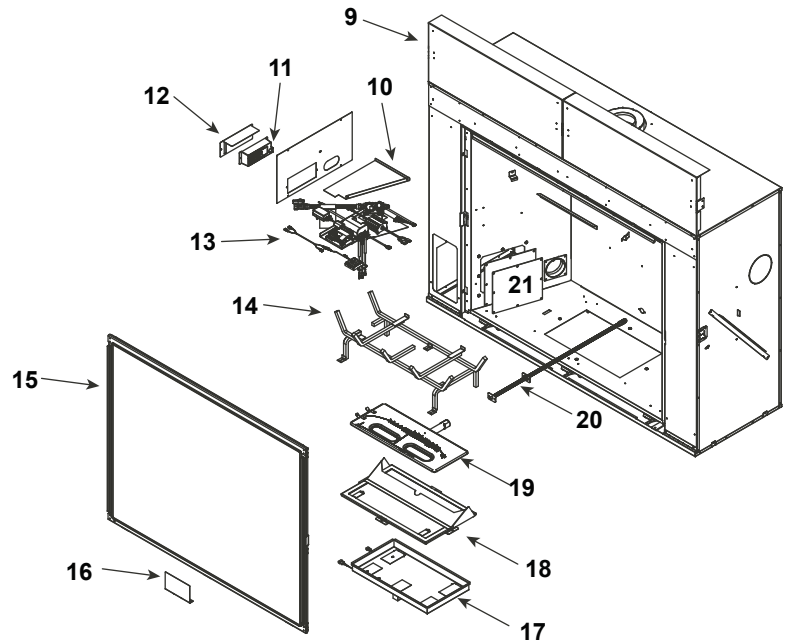


**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	Refractory, Stratford	TRUE-36S-IFT		
21.1	Refractory, Top		SRV2280-716	
21.2	Refractory, Left		SRV2280-713	
21.3	Refractory, Left Base		SRV2280-718	
21.4	Refractory, Left Base		SRV2280-711	
21.5	Refractory, Front Base		SRV2280-710	
21.6	Refractory, Right Base		SRV2280-712	
21.7	Refractory, Right		SRV2280-714	
21.8	Refractory, Back		SRV2280-715	
	Refractory, Herringbone	TRUE-36H-IFT		
22.1	Refractory, Top		SRV2280-726	
22.2	Refractory, Left		SRV2280-723	
22.3	Refractory, Left Base		SRV2280-728	
22.4	Refractory, Left Base		SRV2280-721	
22.5	Refractory, Front Base		SRV2280-720	
22.6	Refractory, Right Base		SRV2280-722	
22.7	Refractory, Right		SRV2280-724	
22.8	Refractory, Back		SRV2280-725	
	Refractory, Glass	TRUE-36G-IFT		
23.1	Glass Spacer	Qty 2 req	2270-753	
23.2	Magic Glass, Left		SRV2270-743	
23.3	Refractory Assembly, Black		SRV2461-058	
23.4	Magic Glass, Right		SRV2270-744	
23.5	Back Glass Spacer		2270-755	
23.6	Magic Glass, Back		SRV2270-745	
	Glass Refractory Cover	Qty 2 req	2280-281	

Additional service parts on following page.

Log Set Assembly



IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.



**Stocked
at Depot**

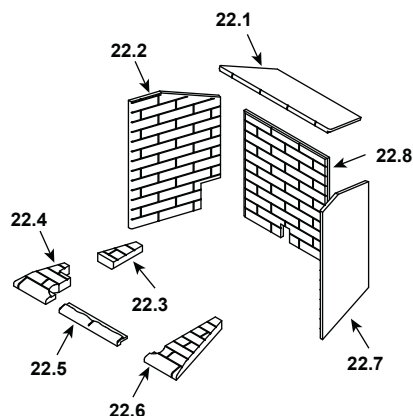
ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	Log Assembly		LOGS-TRUE42	Y
1	Log 1		SRV2281-701	
2	Log 2		SRV2281-702	
3	Log 3		SRV2281-703	
4	Log 4		SRV2281-704	
5	Log 5		SRV2281-705	
6	Log 6		SRV2281-706	
7	Log 7		SRV2281-707	
8	Log 8		SRV2281-708	
9	Heat Shield, Header	Qty 2 req	2281-105	
10	Heat Shield, Valve		2281-153	
11	Junction box		4021-013	Y
12	J-Box Bracket		2281-154	
13	Valve Assembly		Refer to Valve Page	
14	Grate Assembly		2281-015	
15	Glass Assembly		GLA-2281	Y
16	Finishing Spacer		2281-113	
17	LED Tub Assembly		2281-017	
18	Inner Glass Frame Assembly		2281-019	
19	Burner Assembly		2281-007	Y
20	Orifice Bracket Flex		2012-008	Y
21	Access Plate		2281-117	
	Cover, Rear Light	TRUE-42G-IFT Only	2462-168	

Additional service parts on following page.

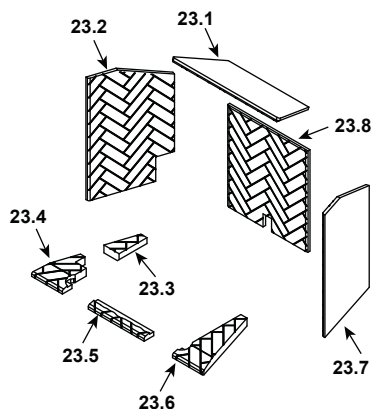
2/17

No one builds a better fire

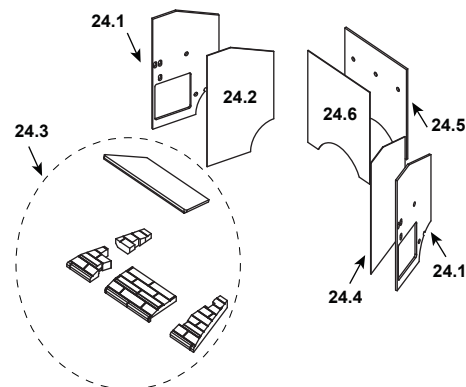
#22 Stratford Refractory



#23 Herringbone Refractory



#24 Glass & Refractory



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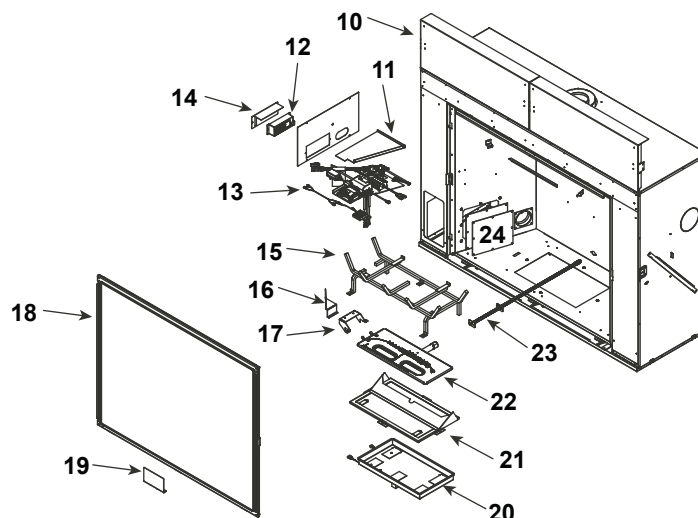


**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	Refractory, Stratford	TRUE-42S-IFT		
22.1	Refractory, Top		SRV2281-716	
22.2	Refractory, Left		SRV2281-713	
22.3	Refractory, Left Base		SRV2281-718	
22.4	Refractory, Left Base		SRV2281-711	
22.5	Refractory, Front Base		SRV2281-710	
22.6	Refractory, Right Base		SRV2281-712	
22.7	Refractory, Right		SRV2281-714	
22.8	Refractory, Back		SRV2281-715	
	Refractory, Herringbone	TRUE-42H-IFT		
23.1	Refractory, Top		SRV2281-726	
23.2	Refractory, Left		SRV2281-723	
23.3	Refractory, Left Base		SRV2281-728	
23.4	Refractory, Left Base		SRV2281-721	
23.5	Refractory, Front Base		SRV2281-720	
23.6	Refractory, Right Base		SRV2281-722	
23.7	Refractory, Right		SRV2281-724	
23.8	Refractory, Back		SRV2281-725	
	Refractory, Glass	TRUE-42G-IFT		
24.1	Glass Spacer	Qty 2 req	2271-753	
24.2	Magic Glass, Left		SRV2271-743	
24.3	Refractory Assembly, Black		SRV2462-058	
24.4	Magic Glass, Right		SRV2271-744	
24.5	Back Glass Spacer		2271-755	
24.6	Magic Glass, Back		SRV2271-745	
	Glass Refractory Cover	Qty 2 req	2281-281	

Additional service parts on following page.

Log Set Assembly



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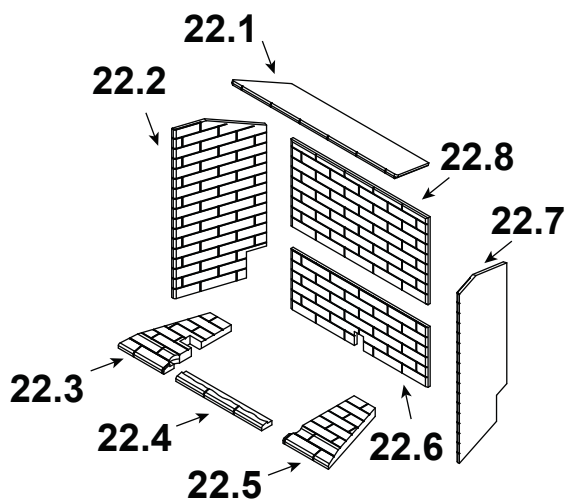
**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	Log Assembly		LOGS-TRUE50	Y
1	Log 1		SRV2282-701	
2	Log 2		SRV2282-702	
3	Log 3		SRV2282-703	
4	Log 4		SRV2282-704	
5	Log 5		SRV2281-705	
6	Log 6		SRV2282-706	
7	Log 7		SRV2281-707	
8	Log 8		SRV2281-708	
9	Log 9 (Not shown)		SRV2170-725	
10	Heat Shield, Header	Qty 2 req	2282-105	
11	Heat Shield, Valve		2281-153	
12	Junction box		4021-013	Y
13	Valve Assembly		Refer to Valve Page	
14	J-Box Bracket		2281-154	
15	Grate Assembly		2282-015	
16	Air Deflector		2281-159	
17	Pilot Cover		2282-187	
18	Glass Assembly		GLA-2282	
19	Finishing Spacer		2281-113	
20	LED Tub Assembly		2282-017	Y
21	Inner Glass Frame Assembly		2282-019	Y
22	Burner Assembly NG		2282-007	Y
	Burner Assembly LP		2282-008	Y
23	Orifice Bracket Flex		2282-161	Y
24	Access Plate		2281-117	

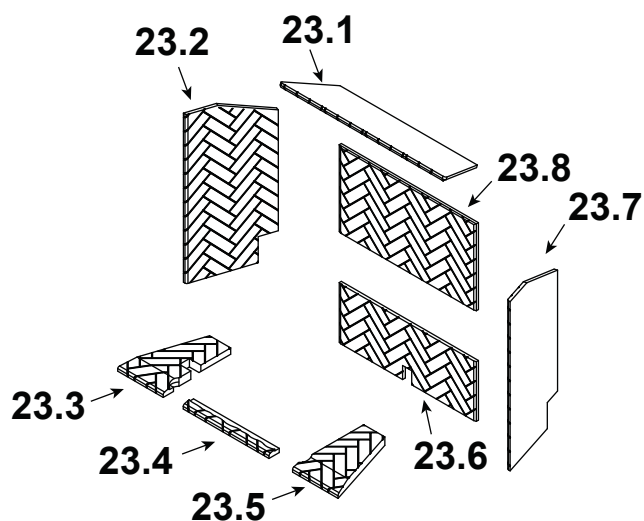
Additional service parts on following page.

2/17

#22 Stratford Refractory



#23 Herringbone Refractory



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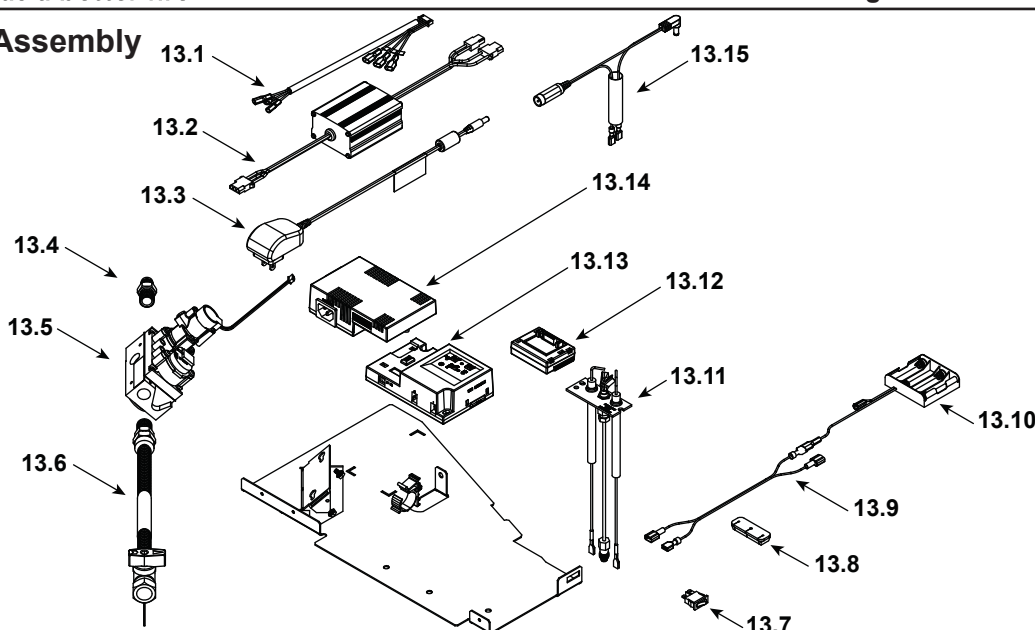


**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	Refractory, Stratford	TRUE-50S-IFT		
22.1	Refractory, Top		SRV2282-716	
22.2	Refractory, Left		SRV2282-713	
22.3	Refractory, Left Base		SRV2282-711	
22.4	Refractory, Front Base		SRV2282-710	
22.5	Refractory, Right Base		SRV2282-712	
22.6	Refractory, Back Bottom		SRV2282-715	
22.7	Refractory, Right		SRV2282-714	
22.8	Refractory, Back		SRV2282-717	
	Refractory, Herringbone	TRUE-50H-IFT		
23.1	Refractory, Top		SRV2282-726	
23.2	Refractory, Left		SRV2282-723	
23.3	Refractory, Left Base		SRV2282-721	
23.4	Refractory, Front Base		SRV2282-720	
23.5	Refractory, Right Base		SRV2282-722	
23.6	Refractory, Back Bottom		SRV2282-725	
23.7	Refractory, Right		SRV2282-724	
23.8	Refractory, Back		SRV2282-727	

Additional service parts on following page.

#13 Valve Assembly



IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.



**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
13.1	Wire Harness		2326-132	Y
13.2	Led Controller		2166-336	Y
13.3	Power Supply		2326-131	Y
13.4	Male connector	Pkg of 5	303-315/5	Y
13.5	Valve NG		2166-302	Y
	Valve LP		2166-303	Y
13.6	Flex Ball Valve Assembly. 12"		302-320A	Y
13.7	Rocker Switch		2206-299	Y
13.8	Grommet		2118-420	
13.9	Wire, Battery jumper, 10 in		2281-196	Y
13.10	**Battery Pack		2326-134	Y
13.11	Pilot Assembly, NG		2270-012	Y
13.12	Module, RF FCC		2326-120	Y
13.13	Module, Control IFT		2326-130	Y
13.14	Aux Module, B Type		2326-150	Y
13.15	Reset Switch Wire		2326-135	Y
	Cable, B Type AC Module		2326-152	Y
	Orifice NG (#30C)	TRUE-36-IFT	582-830	Y
	Orifice LP (#47C)		582-847	Y
	Orifice NG (#26C)	TRUE-42-IFT	582-826	Y
	Orifice LP (#45C)		582-845	Y
	Orifice NG (#24C)	TRUE-50-IFT	582-824	Y
	Orifice LP (#43C)		582-843	Y

**Fuse for battery pack can be sourced locally, not a warranty item. Specs are 250v, 1A fuse, 3/4" long

IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.



**Stocked
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	Air Shutter Burner Tube		2052-157	
	Exhaust Restrictor		385-128	
	Gasket Assembly		SRV2281-080	
	Glass Clip Tool		2281-375	
	Glass Latch Assembly (Sides)	Qty 2 req	2146-413	Y
	Glass Latch Assembly (Bottom)	True-36 (Qty 3 req)	2155-045	Y
		True-42 & 50 (Qty 4 req)		
	Jumper Wire	Refer to Install Manual	2187-198	Y
	<i>Kapton Lens, Light Orange</i>	Qty 2 req	2166-171	Y
	Kapton Lens, Dark Orange	Qty 6 req	2166-184	Y
	Mineral Wool		050-721	
	Nut 1/4-20 Hex Insert		7000-236	
	Non-Comb Assembly	TRUE-36-IFT	2280-040	
		TRUE-42-IFT	2281-040	
		TRUE-50-IFT	2282-040	
	Refractory Tab	Qty 2 req	2281-114	
	Relief Door Assembly		7011-011	
	Remote RC400		2326-110	Y
	Screws	Pkg of 20	2300-275-20	Y
	Teco Silica, 5 Lbs	TRUE-36-IFT (1 per)	700-790	
		TRUE-42-IFT (2 per)		
		TRUE-50-IFT (3 per)		
	Top Refractory Support		2281-190	
	Touch Up Paint, Logs		2372-099	
	Trim Strip, Sides	TRUE-36-IFT	2280-366	
		TRUE-42-IFT	2281-366	
		TRUE-50-IFT	2282-366	
	Trim Strip, Top	TRUE-36-IFT	2280-367	
		TRUE-42-IFT	2281-367	
		TRUE-50-IFT	2282-367	
	Vermiculite Embers		MYSTIC-EMBERS	

C. IFT-RC400 IntelliFire™ Touch Remote Control User Guide

The Screen, Functions and Indicators sections of the IFT-RC400 User Guide are included in this section for reference. Frequently Asked Questions and Troubleshooting are discussed in Section 5.B and Section 5.C.

IFT-RC400

IntelliFire™ Touch Remote Control

User Guide



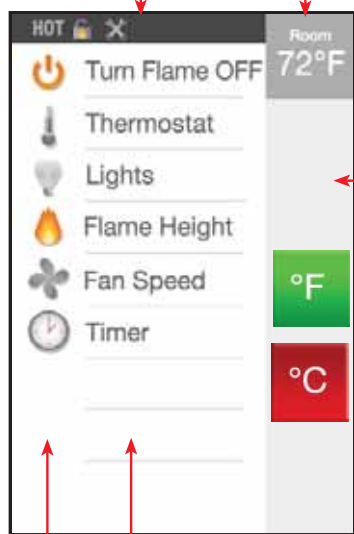
Introduction

This user guide serves as a quick reference to the screen, functions and indicators on your IntelliFire™ Touch Remote control.

SCREEN

INDICATOR BAR

ROOM TEMPERATURE
DISPLAY



SELECTION
INDEX

FUNCTIONS
DYNAMIC ICONS

FUNCTIONS

Turn Flame On/Off

Toggle this function to turn ON or OFF your appliance.

Thermostat

You can set and maintain your desired room temperature with the thermostat function. This function automatically adjusts your appliance to maintain the desired set temperature (ST).

To achieve the most accurate thermostat function, place your remote control in the same general space that you want to have the temperature controlled by your appliance. For best results, keep your remote control away from direct radiant heat from the appliance, adjacent windows and doors, HVAC vents, and direct sunlight.

To use the thermostat function, access the main menu screen on your remote, and select thermostat. Next, simply select your desired set temperature by using the arrow keys and press ON to confirm the setting. The actual room temperature (RT), measured by your remote control, will be displayed in the upper right corner of the main menu screen. To turn the thermostat function off, simply select thermostat on the main menu screen and select OFF.

If the RT cools to more than 3 °F lower than the ST for at least 2 minutes, then your appliance will automatically turn ON. The thermostat function will automatically adjust the flame height based on the difference between the RT and the ST. As the RT rises closer to the ST, the flame height will automatically adjust down. If the RT rises 2 °F above the ST for at least 2 minutes, then your appliance will automatically turn OFF.

During thermostat use, you will not be able to set your desired flame height level. Your appliance will automatically adjust flame height based on the difference between the RT and ST.

Flame Height

You can set your desired flame height level to affect the ambiance and control the heat output.

Your appliance will remember the previous flame height setting and adjust the flame to that level 10 seconds after start.

FUNCTIONS

Timer



For your convenience a timer can be set up to 180 minutes to turn off your appliance. The timer will turn the flame off automatically at the selected preset time.

To use the timer function, press “Timer” on the main screen, select time by using up and down arrows, then press “on”. To turn the timer off, select timer from main screen and select “off”.

Child Lock



A child lock is available underneath the battery cover. When the lock is enabled, the screen will lock and no functions can be selected. The lock icon will appear on the remote control.

Lights*



If your appliance is equipped with lighting features, use this function to adjust them to your desired intensity. The lights can be adjusted whether the flame is on or off.

Fan Speed*



If your appliance is equipped with the fan feature, use this function to increase or decrease the amount of heat released into your room. A built-in delay timer will turn the fan on three minutes after your appliance has been running to prevent cool air from being pushed into the room. If the flame is turned off with the fan ON, the fan will continue to run for 12 minutes then shutdown as long as the flame stays off.

Your appliance will remember the previous fan speed setting and automatically adjust to that level 10 seconds after start-up.

Power Vent*



Power Vent technology makes it possible to install a gas appliance virtually anywhere. The Power Vent is a fan powered accessory that pulls exhaust from the appliance providing longer and more flexible venting configurations. A Power Vent is a standard accessory on some products and an option on others. When a Power Vent is detected, a pre-purge of 120 seconds is automatically required. During this time, the power icon is temporarily replaced with 2MIN, 90s, 60s, and 30s, denoting the countdown until the appliance turns on. All other functions, except for TURN FLAME OFF are disabled during this time.

The Power Vent is always ON when the flame is ON. When the flame is turned off, a post-purge time of approximately 20 minutes will occur.

Cold-climate function and battery backup are disabled if a Power Vent is used.

INDICATORS

Temperature Display



You can toggle the temperature display between °F and °C by tapping on the Room Temperature area.

HOT



This indicates that the appliance is still hot, when the appliance is off.

Diagnostics Menu



Tap anywhere in the gray indicator bar area to display all functions below. When red, it indicates an error has been detected.

Cold Climate



This function turns on a small pilot flame and keeps the air inside your appliance warm while not in use. It is a useful feature in colder weather to minimize condensation on the appliance glass.

Note: This feature is disabled when a Power Vent is installed on the appliance.

Remote Control Battery



Remote control battery life indicator. If the batteries on your remote are low, a notification will display on the screen asking you to ‘replace remote batteries’.

Refer to Replace Remote Batteries Section.

Backup Battery



The battery life indicator is for a backup power source located inside your appliance. It is intended to operate the appliance in the event of a power failure. Consult your owner’s manual for your appliance on how to utilize this feature.

Batteries should only be used as an appliance power source in the event of a power outage. Batteries should not be used as a primary long-term power source.

Note: Battery backup is not available if a Power Vent is installed.

*** = Optional Feature**

INDICATORS

Pairing

The green icon indicates that the remote is paired to your appliance and can operate it. If the icon is gray, it is not paired. Please contact your dealer and report this issue.

Call Dealer - Pilot Flame Error

Your appliance has been disabled. Please contact your dealer and report this issue.

Call Dealer - Appliance Safely disabled

Your appliance has been disabled. Please contact your dealer and report this issue.

Call Dealer - Power Vent, Fan, Lights

Your appliance has detected that an accessory is not functional. Please contact your dealer to report this issue.

Fan will turn on within 3 minutes

Your appliance has a built-in delay that prevents the fan from operating within the first 3 minutes of operating the appliance. This allows the air to be heated to a comfortable temperature before the fan circulates it.

Remote Control Communication Error

Your remote control is not able to communicate with your appliance. Verify that you have power to your appliance. If there is a power outage, verify that appliance battery backup is fitted with new batteries. After taking these actions, communication can be re-established by pressing the screen to activate the remote control. It may take several minutes for remote control to re-establish pairing.



This equipment complies with part 15 of FCC RF Rules. Operation is subject to the following two conditions:
1) This device may not cause interference and
2) This device may accept any interference, including interference that may cause undesired operation of the device.

Replace Remote Batteries

Your remote batteries are low. Recommend immediate replacement before using remote to control appliance.

1. Set the RC400 face down on flat surface when installing batteries. DO NOT touch the screen during battery installation or removal.
2. Remove the battery cover from the back of the IFT-RC400 and install the four AAA batteries in the proper orientation marked in the battery cavity. Ensure the child lock switch adjacent to the battery cavity is in the UNLOCKED position. See Figure 1.



Figure 1. Install Batteries & Child Safety

Maintenance

Your appliance will remind you to schedule routine service after 300 hours of Flame ON time is accumulated. When the message below appears on your remote display (with your dealer contact info if originally programmed into the remote at installation), please contact your dealer for a 300 hour inspection to ensure your appliance is operating at peak performance.

To reset the 300-hour maintenance reminder:

1. Wake-up your remote control display by touching anywhere on the touch screen.
2. Turn the remote over and insert, press and hold a paperclip type object in the 'P' button hole for at least 10 seconds.
3. Double-beep from the remote will indicate that the remote will reset the 300-hour maintenance reminder.

If the remote 300-hour maintenance message does not clear on the first try, repeat above steps.

Please contact your Hearth & Home Technologies dealer with any questions or concerns.

For the location of your nearest
Hearth & Home Technologies dealer,
please visit www.hearthnhome.com.

D. Contact Information



No one builds a better fire

Heat & Glo, a brand of Hearth & Home Technologies
7571 215th Street West, Lakeville, MN 55044
www.heatnglo.com

Please contact your Heat & Glo dealer with any questions or concerns.
For the location of your nearest Heat & Glo dealer,
please visit www.heatnglo.com.

- NOTES -

NOTICE

DO NOT DISCARD THIS MANUAL



- Important operating and maintenance instructions included.

- Read, understand and follow these instructions for safe installation and operation.

- Leave this manual with party responsible for use and operation.



This product may be covered by one or more of the following patents: (United States) 5613487, 5647340, 5890485, 5941237, 6006743, 6019099, 6053165, 6145502, 6374822, 6484712, 6601579, 6769426, 6863064, 7077122, 7098269, 7258116, 7470729, 8147240 or other U.S. and foreign patents pending.

2000-945C

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