INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

Installation and service of this appliance MUST be performed by qualified certified NFI personnel.

Massachusetts: The piping and final gas connection must be performed by a licensed plumber or gas fitter in the State of Massachusetts. Also, see Carbon Monoxide Requirements Detector requirements on page 55.
# TABLE OF CONTENTS

SAFETY INFO AND WARNINGS ...........................................................................................................3

FLARE FIREPLACES – FRAMELESS IN EVERY WAY ........................................................................5
  SAFETY ........................................................................................................................................5
  CSA CERTIFICATION .....................................................................................................................5

MANUAL MODEL LIST & INFORMATION .......................................................................................5
  FLARE SUMMER KIT OVERVIEW ...................................................................................................6
  SUMMER KIT INSTRUCTIONS: ........................................................................................................7
  OPERATION ...................................................................................................................................8
  ELECTRICAL CONNECTION ...........................................................................................................8
    Option 1 – (Default) .....................................................................................................................8
    Option 2 – (Independent Control) .............................................................................................8
  ELECTRICAL CHART FOR DOUBLE GLASS ..................................................................................9
  ELECTRICAL CHART FOR SAFETY SCREEN ..............................................................................10
  FLEX PIPE AND FIREPLACE COVER ..........................................................................................12
  VENTING .....................................................................................................................................13
  MEASUREMENTS & ACCESS .........................................................................................................14
  CLEARANCES ...............................................................................................................................14

PARTS LIST .....................................................................................................................................15
The direct vent system appliance must be installed as an OEM installation in manufactured homes (USA only) or an aftermarket permanently located, or a mobile home, where not prohibited by local codes and must be installed in accordance with 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. A conversion kit is supplied with the appliance.


If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

Installation and service must be performed by a qualified installer, service agency or the supplier.

NEVER LEAVE CHILDREN OR OTHER AT RISK INDIVIDUALS ALONE WITH THE APPLIANCE
**WARNING!**

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.

**WARNING!**

Due to high temperatures, the appliance 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.

**WARNING!**

This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with National Electric Code ANSI/NFPA 70-latest edition or the Canadian Electric Code CSA C22.1.

A 110-120V AC circuit for this product must be protected with ground-fault circuit-interrupter protection, in compliance with the applicable electrical codes, when it is installed in locations such as in bathrooms or near sinks.

Proposition 65 Warning: Fuels used in gas, wood burning or oil-fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. California Health & Safety Code Sec. 25249.6. In the state of Massachusetts, only a licensed plumber and gas fitter may install this product. See note for the Commonwealth of Massachusetts.
Flare Fireplaces is where innovation, quality and luxury come together to form new ideas.

By combining superior raw materials, contemporary design, creative technology and a frameless way of thinking, we have created a full line of direct-vent fireplaces that are luxurious, simple to operate and efficient.

Our Fireplaces are distinguished by their clean design, superior build quality and unique features.

SAFETY

CSA CERTIFICATION

All our fireplaces are tested and have been certified to meet stringent guidelines, ensuring optimum quality, safety and efficiency.

MANUAL MODEL LIST & INFORMATION

The Following manual should be used for the following Flare Fireplaces Models:

- Flare Front 25-100"
- Flare See-Through 25-100"
- Flare Corner Right & Left 25-100"
- Flare Double Corner 25-100"
- Flare Room Definer 30-100"

For ease of installation and operation, all above models share the same gas valve system and connection, remote, and glass type.

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

Installation MUST comply with local, regional, state and national codes and regulations. Consult your insurance carrier, local building inspector, fire officials or other authorities with jurisdiction over restrictions, installation inspection and permits.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. For assistance or additional information, consult a qualified service technician, service agency or your dealer.
The optional Summer Kit (SK) extracts heat from the chase, directing it outside rather than into your home. The inline system of fans allows the fireplace to operate without a significant increase in room temperature.

The kit is perfect for commercial use in restaurant or hotels, but also for residential homes in warmer states. Operating the kit is as simple as flipping a switch and can be set up to come on automatically or controlled independently of your fireplace. It is also possible to connect the Summer Kit to a home automation system.

The Flare SK system is designed to remove heat mostly from the top of the fireplace. The amount of radiant heat from the front of the fireplace is expected to be reduced but largely depends on the installation of a safety screen or double glass.
SUMMER KIT INSTRUCTIONS:

The Flare Summer Kit is an optional system that can be installed as part of the Flare overall heating and aesthetic solution.

**NOTE:** The Flare SK system does not change fireplace clearances or heat release requirements as detailed in the Flare installation manual.

Installation requirements and considerations:

- The Flare SK system needs to be installed a minimum of 4 feet away (inlet vent) from the fireplace.
- Overall vent length should not exceed 80 feet.
- SK system should be installed in an accessible space in case service to the unit is needed.
- It is not recommended to install the SK system above the fireplace, inside the chase, due to heat released from the fireplace.
- A 15A 110V outlet is needed. See power requirements for details.
- The SK system is connected to the fireplace with a low voltage wire. The type of wire that should be used is a minimum of 18-gauge stranded copper wire *(Not Hardcore)*
- The kit is designed to remove heat from the chase and has a limited impact on radiant heat released from the fireplace glass. Radiant heat from the front depends on a safety screen or double glass.
- The Flare SK system is designed for indoor use.

Summer vent unit must be installed by a qualified installer in accordance with these instructions.

**CAUTION!** Failure to install, operate, and maintain the power venting system in accordance with manufacturer’s instructions will result in conditions which may produce bodily injury and/or property damage.

The Flare SK system does not change the fireplace clearances requirements or heat release requirements as are detailed in the Flare Fireplace installation manual.
**OPERATION**

The Flare SK is designed to operate with any of the Flare Fireplaces in the following way:

- The fan starts from a control signal from the fireplace sent over a low-voltage, 2-wire cable.
- The system is set to turn on and off with the fireplace every time.
- The Summer Kit is plugged into a 110V power outlet which can be connected to an independent switch, wireless remote, or home automation system. This allows the user to disable the system during winter or when heat is desired.

**ELECTRICAL CONNECTION**

The SK system is a fan system and requires the following electrical connections:

**OPTION 1 – (DEFAULT)**

- SK unit is connected to 110V. Optional Smart outlet / Remote or electrical wiring to Cancel the SK power supply.
- 6V data cable to the fireplace.

Result: When Fireplace is started, 6v single is sent over the data cable to start the fan. Fan will start assuming it has 110V power mention in first bullet point above.

**OPTION 2 – (INDEPENDENT CONTROL)**

- SK unit is connected to 110V. Optional Smart outlet / Remote/Electrical wiring to start/stop the SK whenever desired.
- No data connection between the fireplace and the SK

SK control is in the hand of the operator using the Remote/Smart outlet or electrical wiring. Fan can be started at any time independent of the fireplace operation.
When using Flare Double Glass or Power vent system, the SK will connect to the Flare electrical board using a two wire cable. The signal from the fireplace board is 6V DC and keeping polarity is important.

- Make sure to match the black and green wires
- A short in wires from the Fireplace to the SK board may lead to a fireplace not starting.
The Flare screen unit does not have a control board and will use the following connections below the fireplace (Fig. 1)

**STEP 1:**
Place the connection kit under the fireplace. For Wi-Fi enabled receivers/remotes (blue sticker) Connect Aux Cable to the receiver Relay Module port as shown in Fig. 1. For all Non-Wi-Fi Receivers and remotes (Green/Black label) connect Aux Cable to receiver Aux Module port as shown in Fig. 2.

![Fig 1. Ensure SK Cable is plugged into “Relay” port on receiver for all Wi-Fi-enabled devices (blue sticker.)](image1)

![Fig 2. Ensure SK cable is plugged into “Aux” port on receiver on all non-Wi-Fi Receivers/Remotes (Green/Black stickers.)](image2)
STEP 2: Connect the data cable (Green & Black Fig. 1 or Red & Black Fig. 2) to the SK using a 2-wire cable (18 gauge- Red and black pictured below.)

NOTE:

1. Low voltage should be used between Fireplace and Summer Kit. DO NOT ATTACH HIGH VOLTAGE TO EITHER CABLE. Damage to electronics may result if high voltage is used.
2. Polarity Matters: When connecting lines, ensure Positive to Positive and Negative to Negative.
3. Short on line may result in fireplace not starting. If power is pressed on remote and pilot does not spark, ensure complete connection on both lines of Summer Kit.
When installing a Summer Kit on a Flare unit, the fireplace will ship with a metal covering for your connectors. The cover can be attached to the unit or set on top in your shipping crate.
VENTING

The Flare SK system is designed only to vent heat out of the fireplace chase. The system can be connected with flex pipe, air ducts or metal vents. It is designed to work with GAF master flow standard ductwork systems as well as DuraVent DuraFlex Aluminum flex pipe (PART NUMBER: 4DFA-25). See the following links for more details on the duct system:

http://www.gaf.com/Other_Building_Products/Ductwork

http://duravent.com/Product.aspx?hProduct=8

**Inlet:** Two 4-inch flex lines to the firebox.

Use the collar adapter provided with the kit to connect the 4-inch vent to the fireplace.

Make sure only two of the vent openings on the fireplace are connected to the Summer Kit. All other opening should remain open.

**Outlet:** 6-inch flex line from the SK to the outside using a wall termination. Use the standard 6-inch wall termination made by GAF Master Flow. See the Master Flow installation instructions for more information on how to install a wall termination.

Make sure the Firebox rounded opening vents are left open and not blocked.
CLEARANCES

- Clearances from the Summer Kit box to combustible material is 1 inch.
- The SK system can be mounted on wood studs.
- The SK must be installed with a flex line and wall termination to the outside from the outlet on the box.
- Clearance to secondary termination pipe must be at least 24".
PARTS LIST

INCLUDED IN SUMMER KIT:

1. Summer Kit Fan Box With Fans & Vent Adapter On Fan (2X4” Inlet, 6” Outlet)
2. Summer Kit 110v Power Plug
3. Relay System (Safety Screen Only)
4. Two 4” Collars On Fireplace

NOT INCLUDED IN KIT: *Source Parts From Home Depot

1. *18 AWG-2 Copper Wire (NOT SOLID CORE WIRE) – Used for Low Voltage Signal from Fireplace To Summer Kit
2. Flex Pipe From Fireplace To Summer Kit (DuraFlex)
3. *Ductwork from Summer Kit to Termination Point
4. *Vent Termination (4” or 6”)
