



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

Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

If you smell gas, please:

- Do not try to light any appliance
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

A qualified installer, service agency, or local gas supplier must perform installation and 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 must be installed for the protection of children and other at-risk individuals.



Flare requires installation be performed by an NFI certified installer, or an authorized Flare Dealer Tech who has been trained to professionally install the fireplace. Installations that do not follow this instruction will not be covered by warranty or service.

NOTICE

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 NFI certified technician, or a certified and trained Flare Fireplaces dealer.

Modern Gas Fireplaces – Linear Fireplaces

HIGH VOLTAGE SUMMER KIT INSTALLATION MANUAL

[SIT CS7 SYSTEM] VERSION 3.3



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SAFETY INFO AND WARNINGS

WARNING

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.

This product is listed to ANSI standards for ANSI Z21.50b-2009 / CSA 2.22b-2009 Vented Gas Fireplaces CAN/CGA 2.17-M91 Gas-Fired Appliance for use at High Altitudes.

WARNING

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

A qualified installer, service agency or the supplier must perform installation and service.

WARNING

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 outside 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.

WARNING

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



MANUAL MODEL LIST AND INFORMATION

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

- Flare Front 30-100"
- Flare See-Through 30-100"
- Flare Corner Right & Left 30-100"
- Flare Double Corner 30-100"
- Flare Room Definer 45-100"
- Flare Front Facing and See-Through Passage Fireplaces 60-30"
- Flare Traditional Fireplace 39", 42", and 46"

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.

This installation must conform to 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.

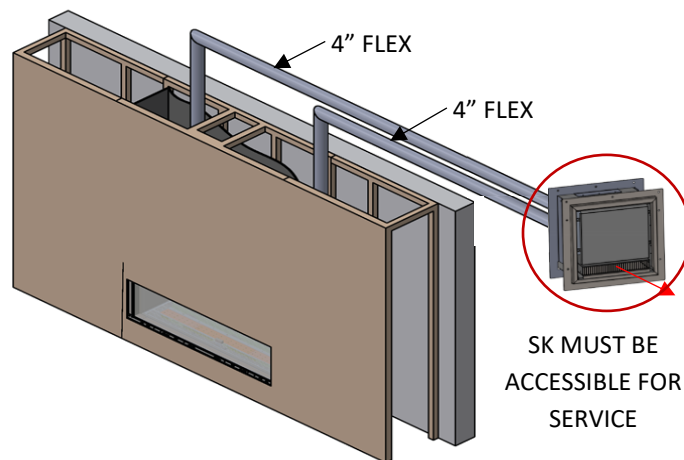
Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. For assistance or additional information, consult a qualified service technician, service agency or your dealer.



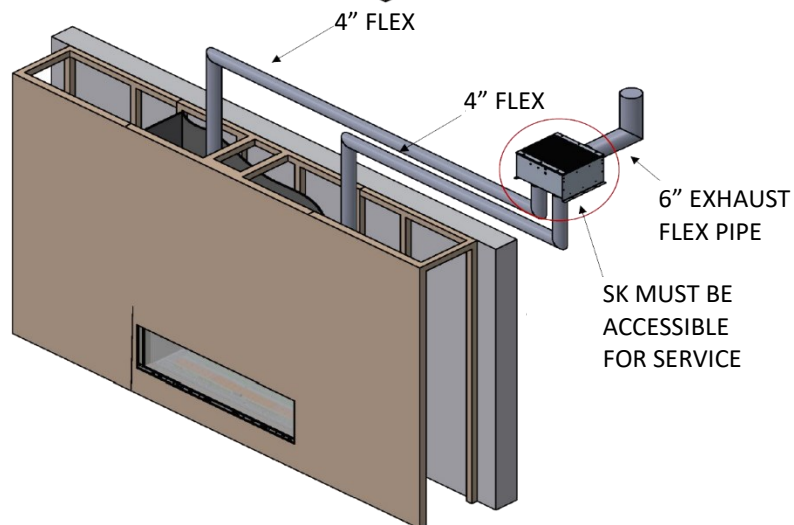
SUMMER KIT - OVERVIEW

The inline and end-of-line optional Summer Kit (SK) fans extract heat from the chase, directing it outside or into an adjacent space rather than into your home or business, reducing overall temperatures inside the fireplace surround and within the room. The Summer Kit can be set up to come on automatically or controlled independently of your fireplace and may also be connected to a home automation system.

END-OF-LINE SUMMER KIT



INLINE SUMMER KIT



WARNING

Place the summer kit outside of fireplace cavity in adjacent space or attic. Placing it inside of your fireplace cavity will over heat the fan causing long term damage.



SUMMER KIT – POWER REQUIREMENTS & SPECIFICATIONS

Please thoroughly read the following installation requirements and appliance considerations before installing your Flare Fireplaces Summer Kit system.

Power Connection and Requirements:

- **Option 1:** Default Option –
 - A 10A 110V outlet will be required (dedicated outlet is recommended).
 - The SK system is connected to the switch power source (110V) with a high voltage with 14|3 AWG 4 wire.
 - 14|3 AWG Cable Stranded CU MC (Metal Clad) armored Cable.
- **Option 2:** SK systems is connected to the Flare Fireplace with 14|3 AWG 4 wire cable Stranded CU MC (Metal Clad) armored Cable.
 - The fireplace board will provide power to the summer kit. No dedicated outlet is needed as the SK will receive power from the Fireplace via the SIT Control Board (in Double glass applications) or via the SKSS board (in Safety Screen applications).

Specifications:

- The Flare SK system needs to be installed a minimum of 4 feet away (inlet vent) from the fireplace.
- Overall vent-pipe length should not exceed 80 feet.
- End-of-line Summer Kit must be installed on an external wall.
- End-Of-line Summer Kit must be correctly oriented to have the exhaust located at the bottom of the fan.
- Do not install any Summer Kit system above the fireplace or inside the chase, it will overheat.
- The Summer 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 which safety barrier is being installed on the fireplace.
- The Flare Summer Kit system is designed for indoor use only.
- The Flare Summer Kit system does not change the fireplace clearances requirements or heat release requirements as detailed in the [Flare Fireplace Installation Manual](#).



WARNING

The Summer Kit system must be installed by a qualified installer in accordance with these instructions. Failure to install, operate, and maintain the Summer Kit system in accordance with manufacturer's instructions will result in conditions which may produce bodily injury and/or property damage. 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

ACCESS FOR SERVICING SUMMER KIT

In the event of a required service or maintenance please follow the steps outlined below for gaining access to the internals for each of the **Flare End-of-Line and Inline Summer Kit Heat** control system.

END-OF-LINE SUMMER KIT ACCESS

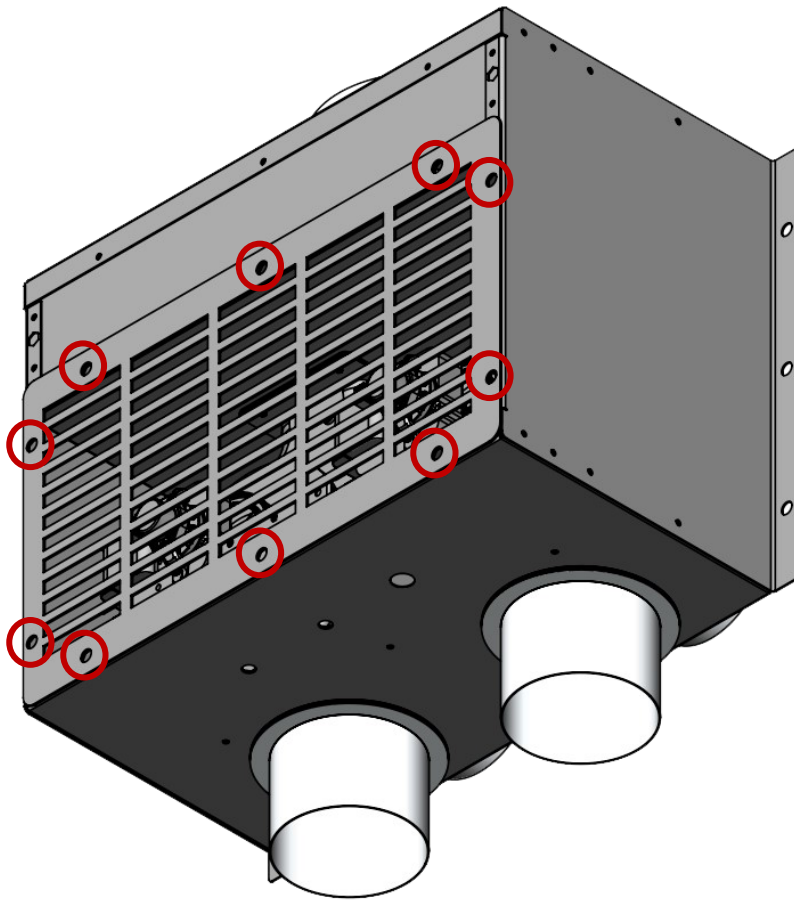
Locate four Phillips-head screws at the face of the fan termination. Removing these screws releases the cover, exposing the internal fan system for service or troubleshooting.





INLINE SUMMER KIT ACCESS

Locate ten Phillips-head screws on the louvered face of your inline fan. Removing these screws releases the cover, exposing the internal fan system for service or troubleshooting.



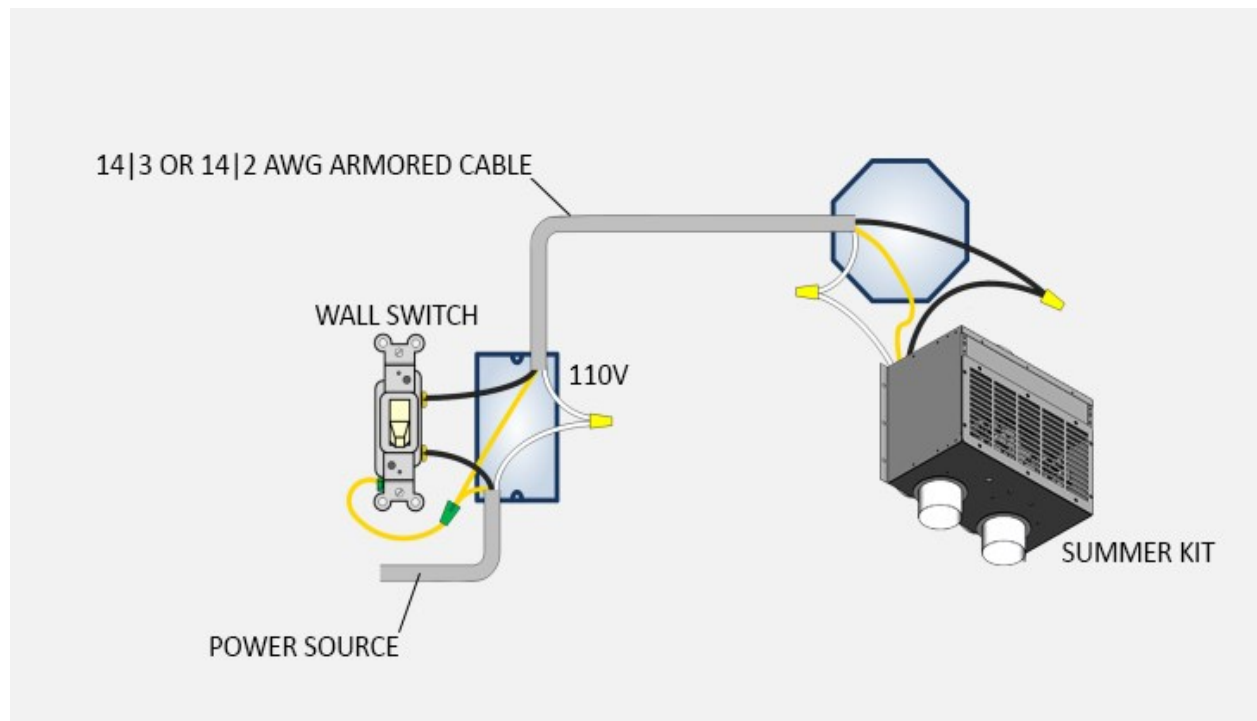


SUMMER KIT - ELECTRICAL

The following outlines the two options available for powering and operating the inline and end-of-line Summer Kit options. A dedicated (recommended) 10A 110V outlet will be required.

OPTION 1 – NOT CONNECTED TO THE FIREPLACE

The Summer Kit system can be powered independently of the fireplace when wired to a switch power source or third-party smart device. This allows the user to disable the system during the winter or when heat is desired. In this configuration the Summer Kit will start and stop when using the external power source control independently from the fireplace. Option 1 is the default recommended way as it separates the fireplace operation and electric dependency from the fan.



NOTICE

Flare Fireplaces recommends a trained electrician wire a switch to control the power source responsible for running the Summer Kit and mounting it somewhere readily accessible for the end client.

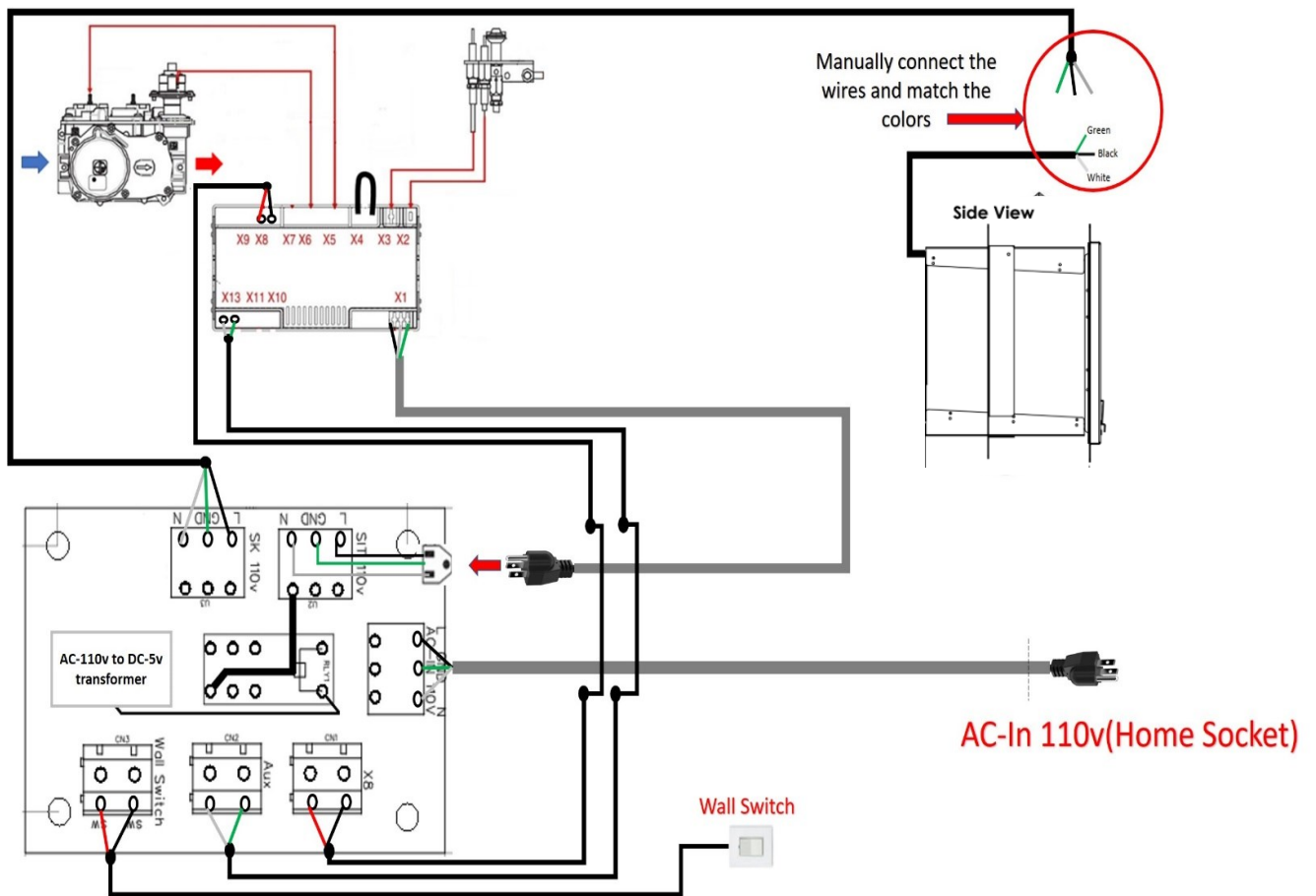


OPTION 2 – CONNECTED TO THE FIREPLACE

The Summer Kit can be wired directly to the fireplace so that it turns on every single time the fireplace is turned on. This is perfect for commercial projects where less heat is desired from their system. Wiring the Summer Kit in this manner is determined by the safety barrier chosen with the fireplace. The following outlines how to directly connect a Summer Kit to both a Safety Screen and Double Glass unit.

OPTION 2 – CONNECTED TO THE FIREPLACE – SAFETY SCREEN

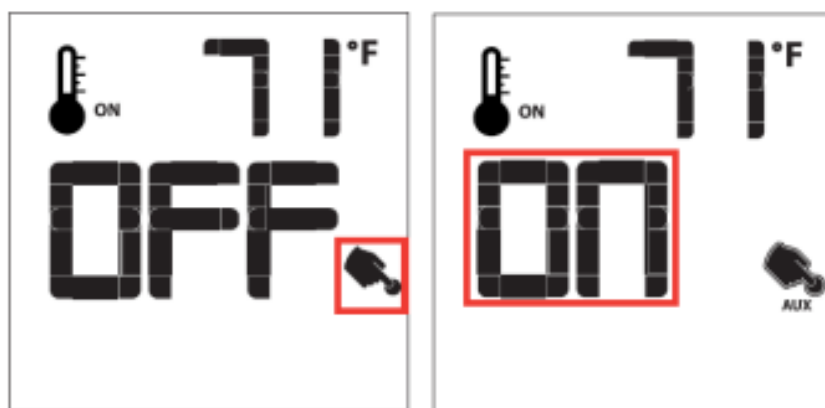
In case of safety screen, the Summer Kit will be connected through an electronic board (SKSS Board) to the SIT receiver. The following diagram describes the connection between the SIT system and the Summer Kit. SKSS board will need to be ordered for this configuration as it does not ship by default.





TURNING ON SUMMER KIT WITH SIT REMOTE (SCREENED UNITS ONLY)

The SIT ProFlame 2 Valve allows the Auxiliary (X13 Port) function to control power to the Summer Kit. To activate the Summer Kit, press the mode Key until the Aux icon appears on the remote. Press the up-arrow key to turn the Summer Kit on and show the command 'ON' on the SIT ProFlame 2 handset. Press the down arrow to turn the Summer Kit off and show the command 'OFF' on the SIT ProFlame 2 handset. A single beep will confirm the reception of the command. See the following figure showing the activation and deactivation process.



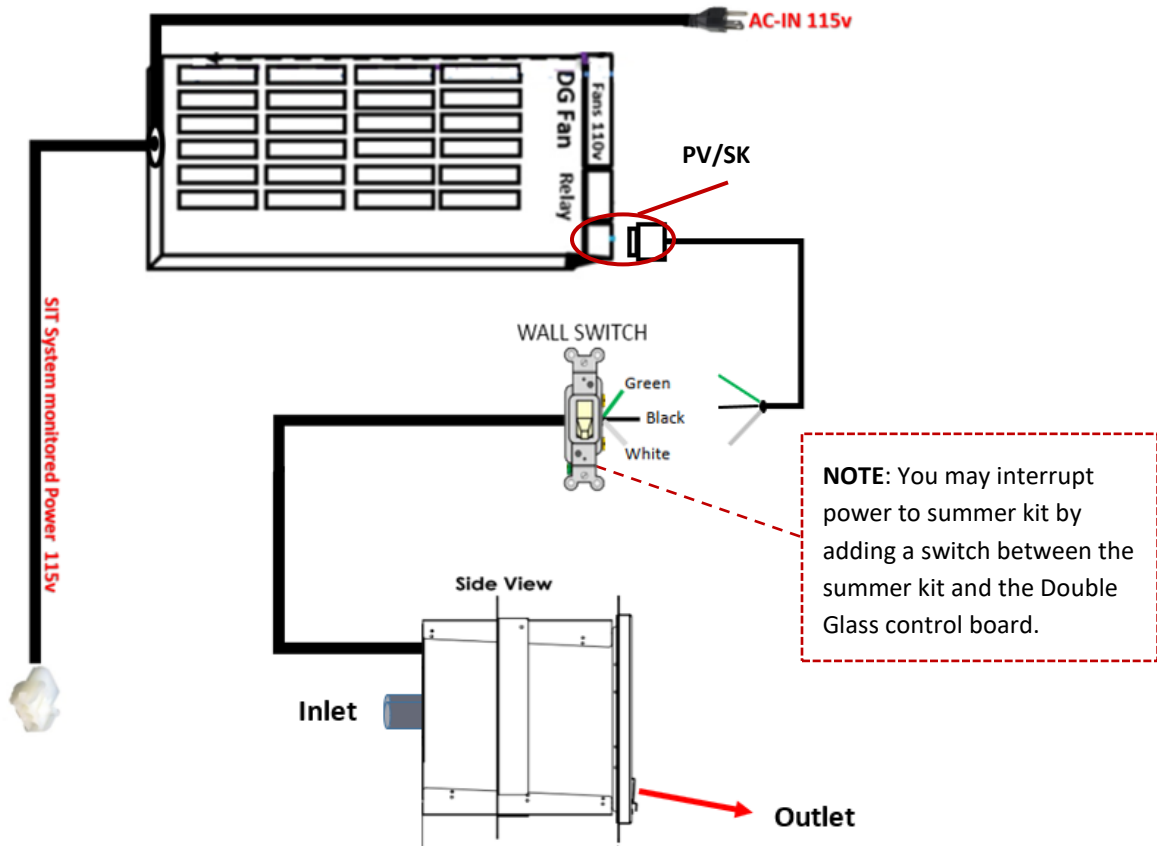
NOTICE

The Summer Kit can only be activated if the fireplace has been turned on using the remote control and is only activated or deactivated using Auxiliary function as outlined above.



OPTION 2 – CONNECTED TO THE FIREPLACE – DOUBLE GLASS

When directly connecting a Summer Kit system to a Double Glass equipped fireplace the fan will be wired to a 3-wire pigtail coming off the PV/SK port of the Flare Double Glass Control Board.



NOTICE

In the direct Double Glass configuration the Summer Kit unit will start when fireplace is started, 110V AC is sent over the wire to start the fan. It cannot be turned off unless the entire fireplace system is shut down.



FLEX PIPE REQUIREMENTS

When installing a Summer Kit on a Flare Fireplace you will need to also provide flex pipe (Part Number: **4DFA-25** and **6DFA-25**) to vent the heat out of the fireplace cavity. This flex is attached to the fireplace using 2 - 4" adapters that attach to a piece of sheet-metal affixed to the top of the fireplace.

[DuraVent Duraflex Catalogue](#)

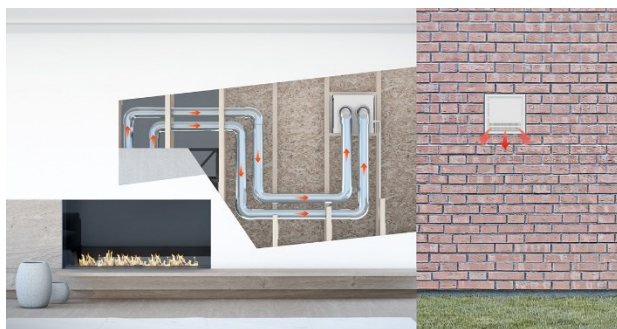
INLINE FLEX PIPE REQUIREMENTS

The Inline Summer Kit requires two 4" flex pipe that run from the top of the fireplace to the Summer Kit fan, and a 6" flex that runs from the fan to your termination point. Where a termination cap is required.



END-OF-LINE FLEX PIPE REQUIREMENTS

The End-of-line Summer Kit requires two 4" flex pipe that run from the top of the fireplace to the Summer Kit fan, which acts as the horizontal termination point.

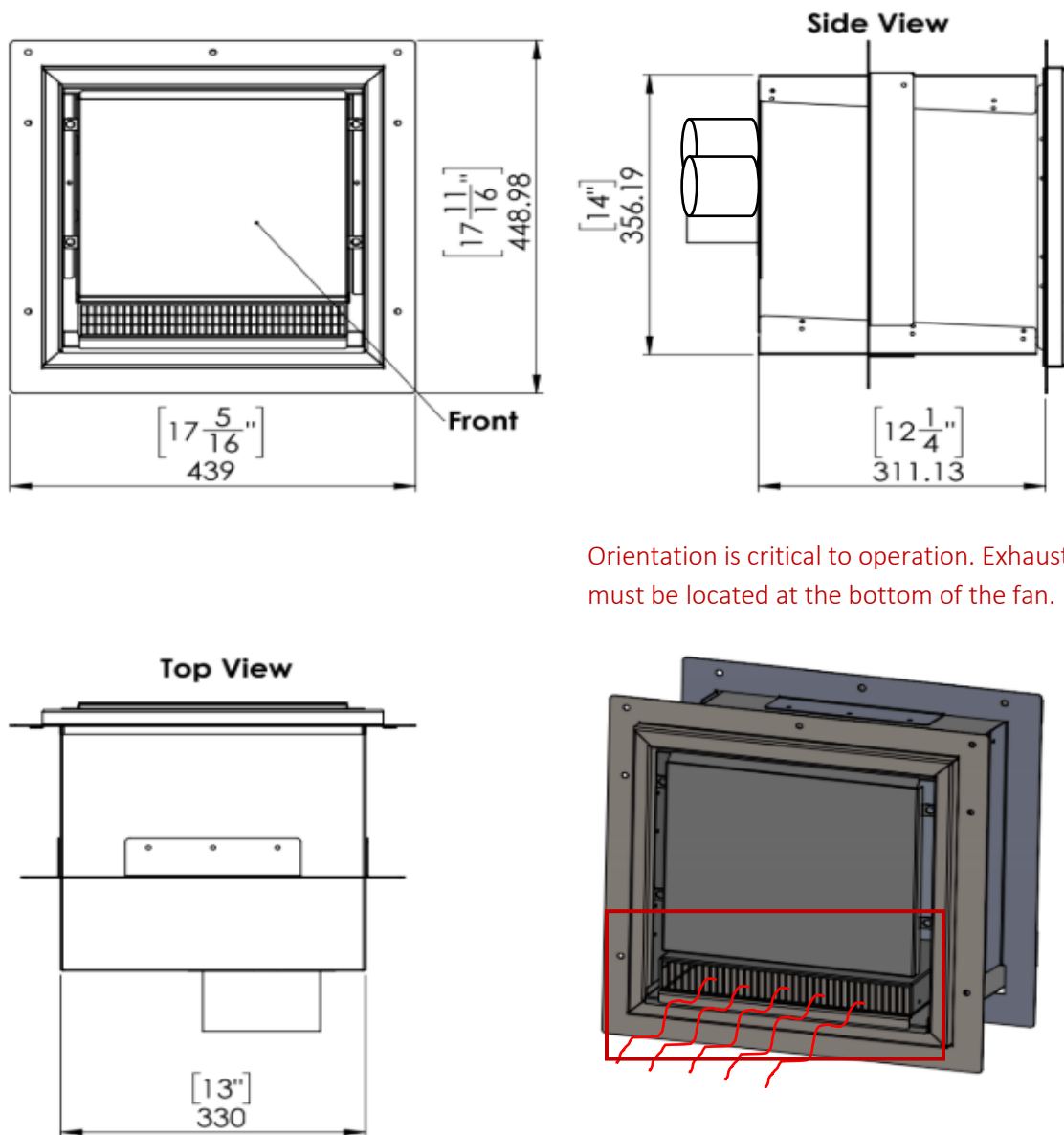




MEASUREMENTS AND DRAWINGS

END-OF-LINE SUMMER KIT

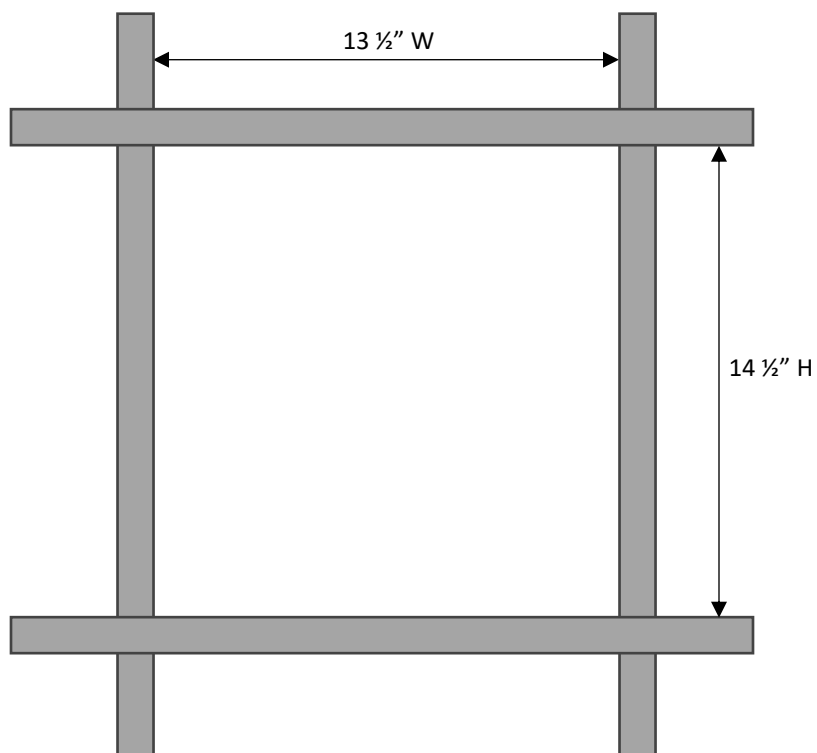
- [End-of-line Summer Kit drawing](#)
- [End-of-line Summer Kit CAD file](#)
- [Duravent Duraflex Catalog](#)





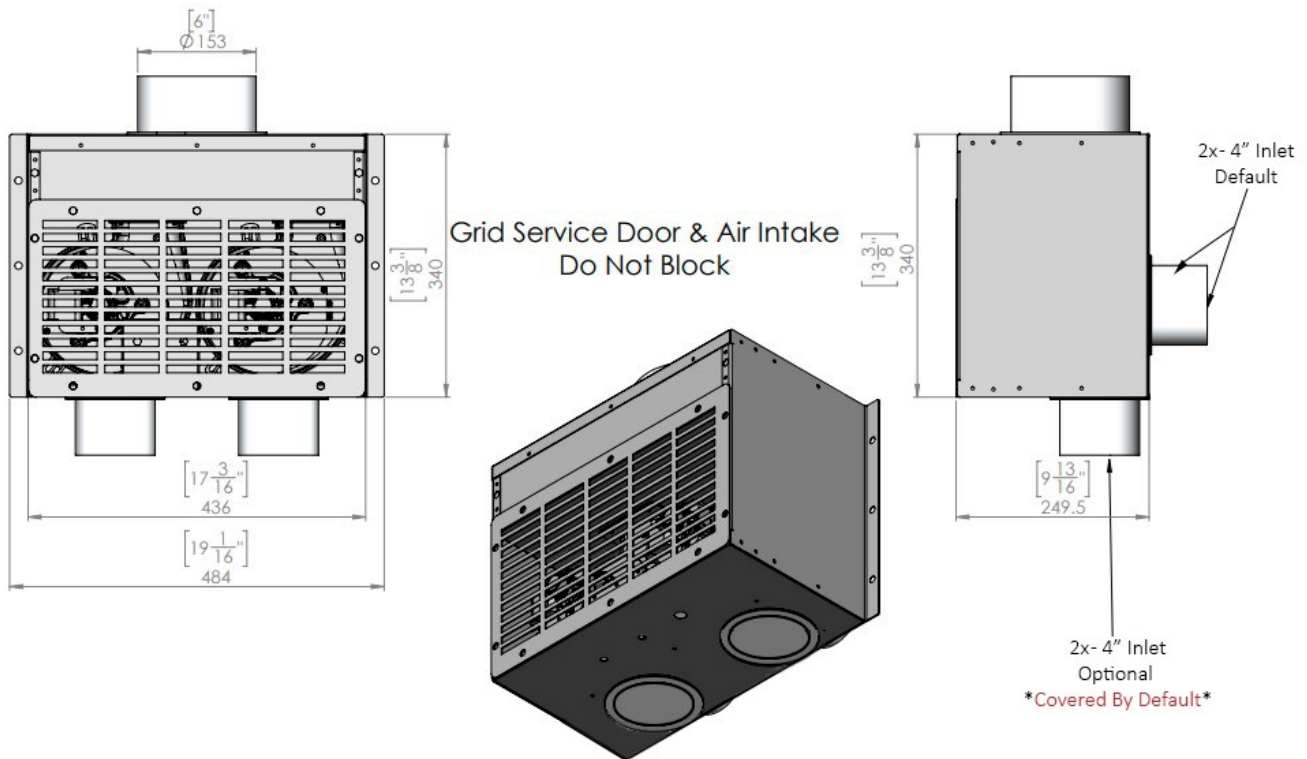
END-OF-LINE CUT-OUT DIMENSIONS

Rough Opening Cut-Out Dimensions: 13 ½" W x 14 ½" H



INLINE SUMMER KIT

- [Inline Summer Kit Drawing](#)
- [Inline Summer Kit CAD File](#)
- [Duravent Duraflex Catalog](#)





CLEARANCES

- 1" clearance on all sides from the Summer Kit fan to any combustible material.
- The Summer Kit may be mounted on wood studs.
- 24" clearance to a secondary termination pipe (**Clearance can be 12" IF BOTH terminations are mechanical outlets and are not facing each other**).
- Summer Kit vent termination clearance is 12" above the floor.
- Summer Kit termination must be a minimum of 5" away from adjacent wall.
- Summer Kit termination must have a 12" of clearance in front of exhaust.
- **Orientation is critical for successful implementation of the end-of-line Summer Kit. The exhaust must be located at the bottom of the fan.**

PARTS LIST

Included in a Summer Kit Purchase is:

1. Summer Kit fan box with fans & vent adapter on fan (2X4" Inlet)
2. Summer Kit 110v AC 3 wires
3. Relay system (Safety Screen Only)
4. Two 4" collars on fireplace

Not Included in Summer Kit Purchase (**Sourced Locally**)

1. *Metal Clad Armored Cable: 14 AWG 3 Wire connected between the fireplace and the Summer Kit unit. (Cable length depends on the distance between the fireplace and the Summer Kit)
2. Flex pipe from fireplace to Summer Kit ([DuraFlex](#))
3. *Ductwork from Summer Kit to termination point



SUMMER KIT PARTS LIST FOR SERVICE

PART	DESCRIPTION	SKU
Control SK Cable	SK 3-Wire Cable V5 Pigtail	1SKDGC
SK High Voltage Cable	50' of High Voltage Wire	SKCBLHV
SK-FLARE	Inline Summer Kit	100SK
EOL-SK-FLARE	End-of-line Summer Kit	100EOLSK
SK-FAN	Replacement Fan	1SKRFAN
SK-BOARD	Replacement Summer Kit Board	SKBOARD



WARRANTY POLICY

Flare Fireplaces subjects every fireplace and component to rigorous testing to verify it is free from any defects before it leaves our warehouse. Flare Fireplaces photographs and documents the fireplace and all components' moments before shipping them to our nationwide network of authorized dealers for installation, verifying full operation of the fireplace and all components. Our factory is supervised by CSA and subject to the highest operating standards.

18 MONTH COMPREHENSIVE WARRANTY

Effective beginning 18 months from the **original date of purchase** from an authorized Flare Fireplaces Dealer, our Comprehensive Warranty includes replacing or repairing any electronic components failing due to manufacturers defect. These parts include the following components

- Gas Valve
- Receiver
- Remote
- LED Lighting Strips, Remote, & Controller
- Authorized Media
- Wall Switch
- Wi-Fi Components

This warranty does not apply to any component that shows evidence of misuse, abuse, improper installation, exposure to water or moisture, excessive heat, dust, or paint.

LIMITED FIVE-YEAR COVERAGE

Effective for five years from the **original date of purchase**, Flare Fireplaces Limited Five-Year Coverage includes replacing both ceramic and tempered glass.

This coverage is warrantable under the following circumstances:

- Thermal Breakage Only

This coverage is void if the glass is damaged due to construction, improper storage, pitting, transport, handling, or cleaning. This includes using ammonia or detergent based cleaning-solvents or solutions instead of lukewarm water and a lint free cloth. Other products may leave streaking or a honeycomb shaped stain on your fireplace glass.



LIMITED TEN-YEAR COVERAGE

Limited Lifetime Coverage is extended to the following components under any manufacturers defect:

- Firebox
- Burners

CONDITIONS

- **Warranty coverage begins on the date of original purchase.**
- Minor warping of certain components or discoloration is normal and is not considered a defect that is covered under this warranty. Major disruption and buckling of parts can be caused by over-firing of your fireplace. Over-firing above the rated value specified in the manual is contrary to the manufacturer's instructions and may void this warranty.
- All installations must be performed by a qualified technician in accordance with applicable local and national requirements.
- Installations must be done in accordance with the Flare Fireplaces installation manual. The Limited Warranty applies only if the product is installed in the United States or Canada and only if installed, operated, and maintained in accordance with the attached product manual.
- It is the responsibility of the installer to ensure the appliance is firing per the rating plate.
- Any part that is found in our judgment to be defective shall be repaired, replaced, or refunded at Flare Fireplaces' option.
- This warranty only covers appliances that are purchased through a Flare Fireplaces authorized dealer or distributor.
- The warranty is only valid while the appliance remains at the site of original installation.
- Flare Fireplaces does not install or provide installation services. The installation of the fireplaces must be done by an authorized installer. The fireplace limited warranty does not cover the installation service, or any part related to the installation of the fireplace or surrounding of the fireplace and venting.
- **Contact your dealer for a warranty service.** If the dealer is unable to provide necessary parts, contact the nearest Flare Fireplaces authorized dealer or supplier.



EXCLUSIONS

- This warranty does not apply to any component that shows evidence of misuse, abuse, improper installation, accident, or lack of maintenance.
- Flare Fireplaces is not responsible for televisions, mantels, surroundings or finishing material around the fireplace.
- Flare Fireplaces is not responsible for installation, operational or environmental conditions beyond our control.
- Flare Fireplaces shall in no event be liable for any special, indirect, or consequential damages of any nature which are in excess of the original purchase price of the product.
- Flare Fireplaces may at its discretion discharge all obligations by refunding the wholesale price of the defective part.
- This warranty may not be extended or modified by our dealers or representatives.
- The Limited Warranty only covers parts and labor as provided above. Flare Fireplaces will not be responsible for materials, components, or construction, which are not manufactured or supplied by Flare Fireplaces or for the labor necessary to install, repair or remove such materials, components, or construction.

WARRANTY VOID WHEN

- An unauthorized media type is used in the firebox.
- 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 pipes, rust colored iron or bubbling, cracking and discoloration of steel or enamel finishes.
- The appliance is subjected to prolonged periods of moisture 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.
- Holes have been drilled into the fireplace for some reason.