

# FAHRENHEIT™ SERIES SMOKE VENTS (RV WITH SUFFIXES)

## INSTALLATION AND MAINTENANCE GUIDE | 14I-410

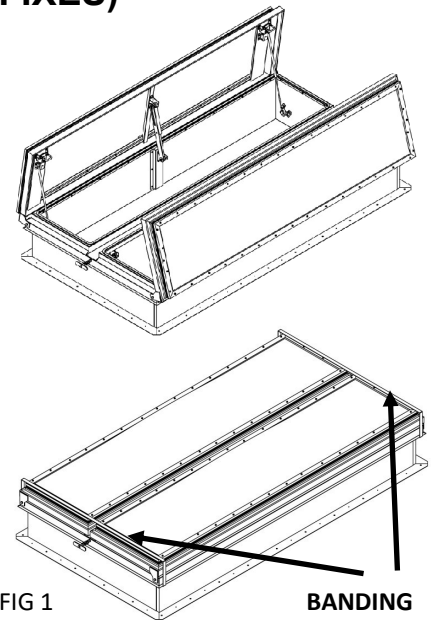
### GENERAL:

Fahrenheit and Fahrenheit View series smoke vents are designed for years of reliable use. These instructions are intended to be a general guideline, so please follow local roofing practices for the best weather-tight installations into the various roofing systems typical in your area.

**NOTES:** This product is designed for installation on a flat roof.

Improper selection, installation or use can cause personal injury or property damage. It is solely the responsibility of the user, through their analysis to select products suitable for their specific application requirements, ensure they are properly maintained and limit their use to its intended purpose.

**CAUTION: COVER IS SPRING LOADED.** Vents ship with the doors banded and secured shut. FIG 1. DO NOT REMOVE THE BANDS UNTIL AFTER INSTALLING and securing to the roof deck. (see step 7 below.)



### INSTALLATION:

Clause	English	French
<a href="#">20.1</a>	<p>CAUTION</p> <p>Automatically Operated Vent</p> <p>Risk of Injury</p> <p>Do not place anything on top of this device.</p>	<p>ATTENTION</p> <p>Ventilation automatique</p> <p>Risque de blessure</p> <p>Ne poser aucun objet sur cet appareil</p>

1. Installation of UL793 Listed smoke vents shall be in accordance with NFPA 204, Standard for Smoke and Heat Venting.
2. Prepare opening through roof deck of width and length as specified by details on submittal drawing. The roof opening size is equal to the smoke vent size, which is measured inside curb to inside curb. A smoke vent that measures 48" width (hinge to latch) x 96" length (hinge side), will have a roof rough opening of 48" x 96".
3. Opening must be positioned so as to not impair structural integrity of roof. Supporting structure must withstand lateral and thermal stresses as well as load pressures.
4. Check that the frame rests flat on plane and is not twisted or uneven. Shim if required, to ensure proper operation.
5. Secure the curb flange to steel angle or other framed opening in the roof using fasteners (by others) through the 0.19" mounting holes provided in the base flange. Recommended fasteners are #10 screws, when securing to a wood frame. For larger bolts, drill larger mounting holes through the metal flange.
6. Complete the roofing installation in accordance with local building codes and accepted roofing industry practices.
7. Remove steel safety bands from door sides. **CAUTION: Doors are spring loaded and may pop open, if latches moved during shipping.**
8. Open the smoke vent by pulling the handle out to release the latches. Check latches to be sure they are correctly latched, while in the closed position.
9. If necessary, adjust the catch strike for each door to ensure full latch engagement when the door is closed by loosening the bolts, relocating the assembly mounting bracket side-to-side, or up-and-down, and then fully tighten. FIG 2.
10. Vents and their means of actuation, shall be inspected visually after installation, per NFPA 204.

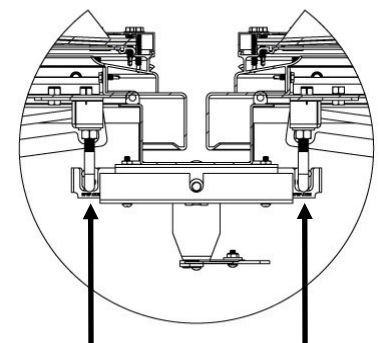


FIG 2. Mounting Bracket Adjustment



**DUR-RED PRODUCTS**



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**REV D – 3/8/2024**

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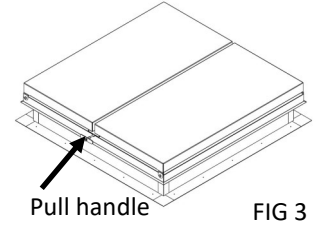
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### OPERATION:

Dur-Red smoke vents provide automatic release of heat, smoke and gases in the event of a fire. The smoke vent opening force is by springs specifically designed for this purpose. The smoke vent is also equipped with shock absorbers (one per door leaf) to help control the speed of opening. Once opened, the doors lock in the open position with a hold-open feature, which must be disengaged prior to closing manually from the rooftop.

### How to Open Smoke Vents:

1. Grab pull handle and pull outwards. FIG 3.



### Methods of operation:

1. Manually with external pull handle on the outside of the smoke vent and internally with aircraft cable. Extra cable and pullies (by others) can be extended for operation down at floor level.
2. Thermally via replaceable fusible link that melts at a standard temperature of 165°F. Optional: specified temperature between 160°F-520°F
3. Optional: Electrical and thermal opening via McCabe electro/thermal resettable link. Available in low voltage or high voltage (24VDC/110VAC) and different temperatures.

### How to Close Smoke Vents:

REQUIRES AT MINIMUM, 2 PERSONNEL TO CLOSE DOOR.

1. Disengage the locking hold-open feature by bringing the hold-open feature towards the center of the unit allowing it to clear the indented slot. FIG 4. Hold it clear until bolt is on visible slot.
2. While cleared, apply steady forward force at the edge near center of the smoke vent.
3. Continue applying force until doors are closed and latches are engaged. Confirm doors latched by gently pulling upward on door making sure the door does not move.

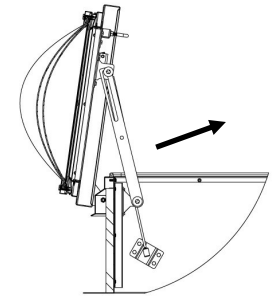


FIG 4

### INSPECTION & MAINTENANCE:

1. A written inspection schedule and procedure for inspection and maintenance shall be developed with notations of the date and time of inspections and of discrepancies found, which shall be corrected immediately.
2. Vents shall be inspected and subjected to an operational test annually. Inspect the latch catch strikes to ensure full latch engagement. Also inspect special mechanisms such as gas cylinders, springs, thermal and electrical links, if applicable.
3. Any debris that could impair the operation of the vent shall be promptly removed without causing damage to the vent. Periodically clean latches and strikes. Painted metal surfaces can be cleaned with a mild soap and water solution.
4. For domed covers, clean with a mild soap and water solution, when necessary. Do not use abrasive cleaners or cleaning cloths. Fine scratches may be minimized/removed by using an automobile cleaner/polish. Test a small section first to verify results.

### REPLACEMENT PARTS:

DR-KIT-LINK-165 165°F fusible link

### How to replace fusible links:

1. With smoke vent doors open, attach spring compressor kit to heat release tubes and compress tubes.
2. Once compressed install replacement fuse link.
3. Slowly release pressure on heat tubes and remove spring compressor kit.

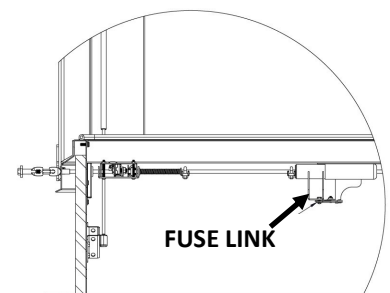


FIG 5. Location of Fusible Link