

STOVETOP FIRESTOP PLUS SENSOR USER MANUAL



AUTOMATIC FIRE SUPPRESSION FOR GREASE FIRES
ON INDOOR RESIDENTIAL STOVE TOPS
(CLASS K)

www.STFS.com

Read this user manual carefully prior to installation

⚠ WARNING

- Not intended for cooking with more than 1" oil depth before food is added.
- Not recommended for gas stoves; powder may extinguish burner flame on a gas stove top
- If safe, turn burner OFF immediately after activation.
- Reignition is possible.
- When suppressing powder comes in contact with fire, it may briefly flare and/or cause grease to splash. This is a normal and temporary reaction.
- This product may not suppress all stove top fires.

⚠ CAUTION

- Keep away from children.
- Avoid exposure to suppressing powder if you wear contacts, or have a respiratory illness or skin allergies.
- Contents may be harmful if swallowed.
- Suppressing powder is non-toxic but could cause skin irritation. In case of contact with powder, flush from affected area with water.
- If irritation persists, contact a physician immediately.
- Discard product after activation.
- Discard product if dropped or damaged.
- Do not clean unit.

NOTICE

- **Failure to remove or replace by the "remove or replace before" date, as shown on the product label, could diminish the effectiveness of the product.**
- Primary activation method is through electronic sensors.
- At time of activation (deployment), a loud "POP" will occur, followed by 3 long, repeating tones. This is normal and meant to alert occupants, if present.
- Device is equipped with a fuse that works as a secondary activation method in case of dead batteries.
- Replace batteries as required to ensure optimum performance. Do not mix old and new batteries. It is recommended that you not mix brands.
- When testing the unit, do not expose bottom of the canister toward bright lights while testing the device.
- A self-test should be manually performed once every month for the life of the product.

FIRE SAFETY

- Unattended cooking is the leading cause of fires in the kitchen. Many injuries occur when occupants attempt to fight the fire themselves.
- Never leave anything cooking on the stove top unattended! If you have to leave the kitchen—even for a short time—turn off the stove.
- Never leave home or fall asleep while you are cooking.
- Never pick up a flaming pan. You may be burned, or if the pan is dropped, flames may quickly spread to other flammable areas.
- Never use water to fight a grease fire! A violent explosion may result. Wet dishcloths or towels are also dangerous.
- Always follow National Fire Protection Association (NFPA) guidelines for proper cooking safety. Visit www.nfpa.org.

MANUFACTURER'S INFO

Designed & Manufactured
by WilliamsRDM in Texas, USA

**Designed solely for suppressing
stove top grease fires in
indoor residential kitchens using no more
than 1" of oil before food is added.**

Contents: Potassium Bicarbonate

For storage and disposal information,
or to learn more about StoveTop FireStop,
please visit our website at www.STFS.com,
or call 1-888-616-7976.

FCC NOTICE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

HOW IT WORKS



Burner on. Cooking surface and pan left unattended. Smoke first visible at 18-25 minutes* after stove has been turned on.



Heavy smoke starts about 28-35 minutes* after stove has been turned on. Fire starts at XXX°F (XXX



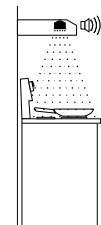
C)*, or approximately 43 minutes after stove has been turned on.



STFS Plus S detects fire conditions. Sounds warning for 30 seconds until conditions are safe or deployment.



STFS Plus S deploys powder onto cooking surface, and emits 3 long, loud tones.



Once STFS Plus S has deployed powder, the fire should be suppressed.



An alert will sound until batteries run out or unit is silenced. Stove must be turned off to prevent reflash.

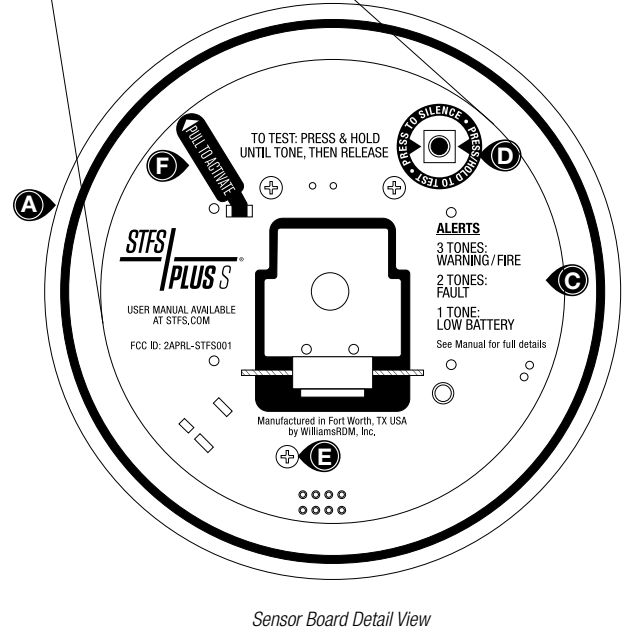
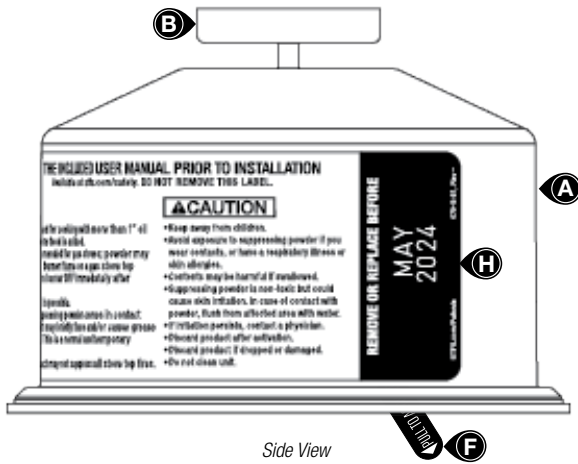
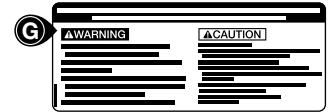
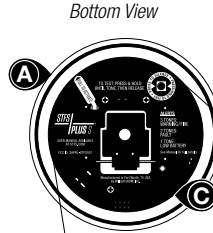
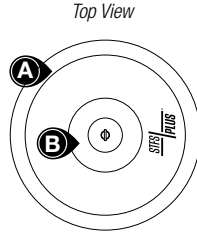
IN THE BOX (not drawn to scale)

WHAT'S IN THE BOX

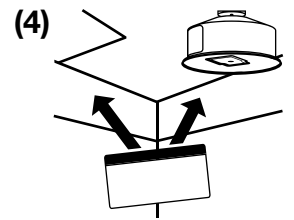
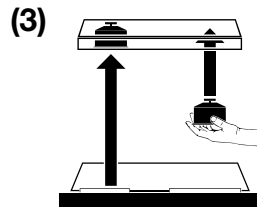
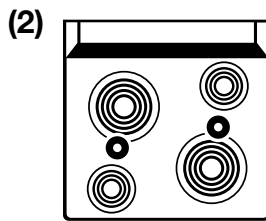
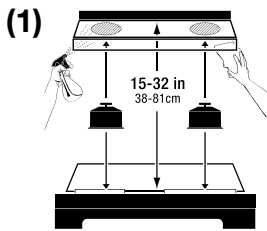
STFS PLUS SENSOR CANNISTERS ONE ASSEMBLED PAIR FOR EACH 4-BURNERS

STFS PLUS SENSOR CANNISTERS

- A. STFS Plus Sensor Canister
- B. Magnet
- C. Sensor Board
- D. Test / Reset Button
- E. Board Screws (3 per canister)
- F. Pull Tab
- G. Decal, 1 per pair
- H. Expiration Date (on Label)



STFS PLUS S MECHANICAL INSTALLATION

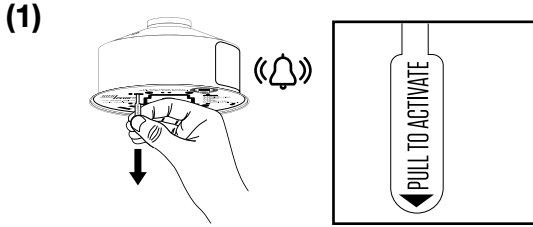


- 1) Must have 15-32" (38-81 cm) between surface of cooktop and mounting point in range hood. Clean and dry areas in range hood where both magnets will attach.
- 2) Position canisters in range hood at the midpoint between the center of front and back burners on each side.
- 3) Raise canisters to the spot directly above in range hood.
- 4) Place the enclosed decal where it can be seen in the ventilation hood.

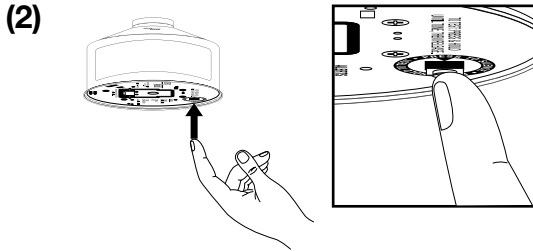
If the magnet does not attach, go to www.STFS.com to order an alternative mounting kit.

STFS PLUS S ACTIVATION & TEST

INITIAL ACTIVATION



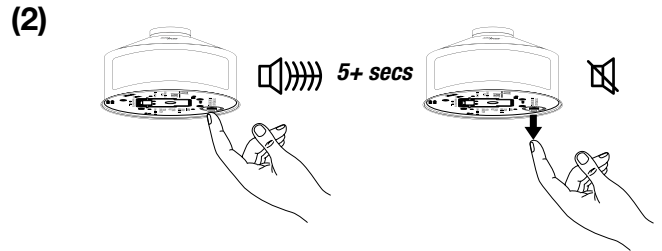
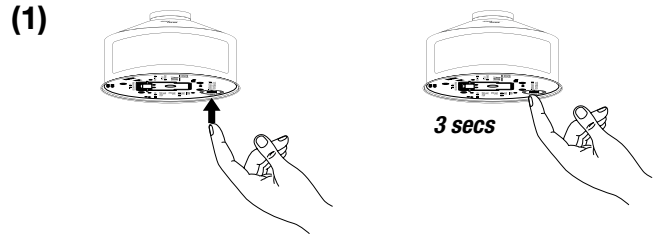
1) Pull out the red tab to activate the product. The product should emit an 'activation jingle', one time.



2) If no sound is heard, proceed to TESTING section and/or BATTERY REPLACEMENT sections.

See chart below for explanation of additional alerts.

TESTING



1) To test the device, hold Test button for more than 3 seconds until a tone is heard.

2) When the button is released, or has been held down for 5 continuous seconds, the tone will stop.

Do not point the sensors at bright lights when performing a self test. If no sound is heard, Test was successful.

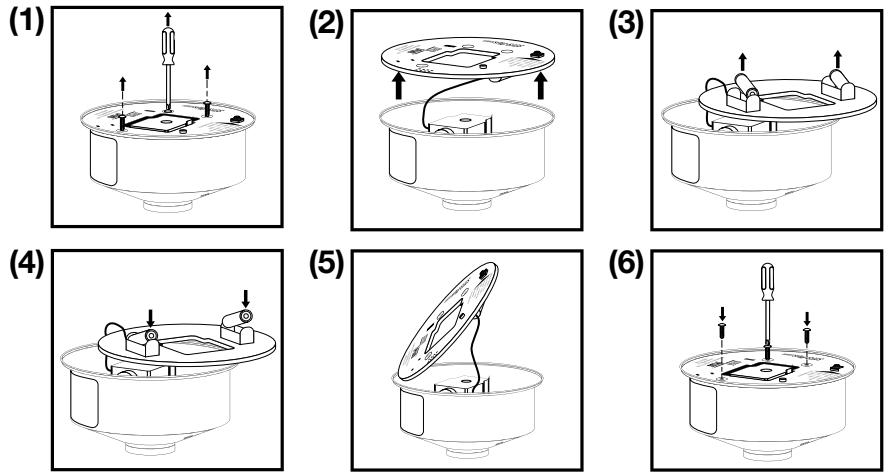
TROUBLESHOOTING

CONDITION		SOUND	ACTION	CYCLE	MEANING
TESTING	Power On	Activation jingle	Initial activation by pulling tab, or batteries have been replaced	Only once when tab is pulled, OR when batteries are replaced.	Device is powered on and working properly
	Self Test	Continuous tone	Press and Hold self-test button until tone sounds (approximately 3 seconds)	Tone sounds for a duration of 5 seconds or until button is released	Device has initiated a self-test. See below for results.
CONDITION		SOUND	MEANING	CYCLE	REMEDY
ALERTS	No Power	No tone	Batteries contact impeded, or battery life expired	None	Remove then reinstall existing batteries, clearing any debris preventing battery contact. Retest. If no sound, replace with new batteries. Retest. If still no sound, contact manufacturer immediately.
	Low Battery	1 tone	Low Battery	Repeats every 60 seconds until batteries run out or are replaced, or unit is silenced.*	Replace old batteries with two (2) new, 1.5V alkaline, N-cell batteries
	Fault	2 tones	An error has been detected within the sensor board	Repeats every 60 seconds until batteries run out, or unit is silenced.*	Go to STFS Plus Sensor Troubleshooting Section at www.STFS.com . Do not dismount canisters. The unit will still function if flames from a cooking fire come in direct, sustained contact with the fuse.
	Warning	3 tones	The conditions for a fire to start have been detected. Action needed to prevent fire or deployment.	Repeats every 2 seconds for 30 seconds until conditions improve, or unit is silenced.*	If safe to do so, turn off stove. Do not reach across the pan. Press button to silence alarm. If nothing changes, unit will deploy powder onto stove top.
	Deploy	3 LOUD tones	A fire has been detected, and deployed suppression powder	Repeats every 1.5 seconds until batteries run out or are removed, or unit is silenced.*	Leave dwelling immediately, then call 911. Once powder has been deployed, the unit must be replaced.

* Alarms can be silenced by pressing the TEST/SILENCE button on the bottom of the unit. This will only silence the alarm for about one day. Specific action must be taken to permanently silence any of the alarms.

BATTERY REPLACEMENT

- 1) Use #2 Phillips head screw driver to unscrew the three (3) small screws from the sensor board.
- 2) Remove the sensor board, taking care not to damage or disconnect the wires.
- 3) Properly dispose of the existing batteries. Check for any debris in the battery compartment that would interfere with battery contact.
- 4) Replace with two (2) new, 1.5V alkaline N-cell, batteries. Do not mix new and old batteries.
- 5) Fold the wires back into place, taking care not to damage the wires.
- 6) Reattach the sensor board with the three (3) small screws, and reinstall per installation instructions.



Do not tamper with any sensors, or any other parts of the product or you risk device malfunction and voiding manufacturer's warranty.

LIMITED WARRANTY

WilliamsRDM, Inc. ("WRDM") warrants this StoveTop FireStop® product against defects in material or workmanship for the time periods and under the terms set forth below. Pursuant to this Limited Warranty, WRDM will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. **In the event of a defect, these are your exclusive remedies.**

WRDM warrants to the original retail purchaser all WRDM products for a period of one (1) year against defective material and faulty workmanship. Any unit found to be defective during the warranty period will be repaired if possible, or replaced free of charge upon the buyer's prepaid return of the defective unit—only after receipt of an official Return Material Authorization (RMA) number. Proof of retail purchase is required. This warranty gives the buyer specific legal rights which may vary by state (or country).

THE FORGOING WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES WITH RESPECT TO THIS PRODUCT, INCLUDING

ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE—WHICH ARE HEREBY DISCLAIMED. THERE ARE NO IMPLIED WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. NO PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY, OR TO ASSUME FOR WRDM ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OR INSTALLATION OF ITS PRODUCTS. REPLACEMENT OF THE PRODUCT WILL BE THE SOLE REMEDY WITH RESPECT TO ANY LOSS OR DAMAGE TO PROPERTY. BUYER IS NOT RELYING ON SELLER'S JUDGMENT REGARDING BUYER'S PARTICULAR REQUIREMENTS AND BUYER HAS HAD AN OPPORTUNITY TO INSPECT THE PRODUCT TO BUYER'S SATISFACTION. UNAUTHORIZED SERVICE OF ANY KIND INVALIDATES ALL WARRANTY PROVISIONS.

This Limited Warranty covers only the hardware components packaged with this product. It does not cover technical assistance for hardware. Any parts or product replaced under this Limited Warranty will become the property of WRDM.

LIMITATION ON DAMAGES: WRDM SHALL NOT BE LIABLE FOR

ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO ANY SUCH DAMAGES FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging, or packaging affording an equal degree of protection, to WRDM's specified manufacturing facility.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the WRDM product. This Limited Warranty is invalid if either the factory-applied work order number or date code has been altered or removed from the product. This Limited Warranty is valid only in the United States.

For StoveTop FireStop customer service:
go to www.STFS.com or call 1-888-616-7976.

STOVETOP
FIRESTOP®

Manufactured by WilliamsRDM
200 Greenleaf Street
Fort Worth, TX 76107
817 872-1500 TEL
888 616-7976 TOLL FREE
stfs@stovetopfirestop.com
STFS.com