



The Best Stovetop Fire Prevention System

INSTALLATION & OPERATING MANUAL

COOKTOP Version Model CT-208

IMPORTANT WARNING

- *STOVE GUARD* COOKTOP Model CT-208 **Must be Installed by a licensed Electrician** and be wired properly according to local electrical codes.
- Do not disassemble any of the components. There are no user serviceable parts inside. Refer servicing to a qualified person only.

STOVE GUARD is an electronic safety device for use with electric cooktops. It turns the cooktop OFF when you forget by using the advanced technology found in security monitoring devices and a specially programmed micro-controller.

STOVE GUARD controls the cooktop's electrical system to help prevent food and pots from burning, as well as reducing the risk of fire starting by unattended cooking, the #1 cause of household fires.

***STOVE GUARD* is preset at the factory at the highest fire safety setting.
This is the recommended setting for use by anyone with Alzheimer's or similar medical condition.**

- When properly installed, adjusted, and set in **AUTO** mode, *STOVE GUARD* will automatically shut the electric cooktop OFF if no one is present in the monitored cooking area for a preset period of time.
- Upon returning to the cooking area, *STOVE GUARD* will detect their presence and automatically turn the cooktop ON again. The preset time will reset to the last setting.
- *STOVE GUARD* can also be used in a **TIMER** mode to set a maximum cooking time, after which the cooktop will be automatically turned OFF.

IMPORTANT TECHNICAL SAFEGUARDS

- **DO NOT INSTALL the EMU (Electronic Monitoring Unit):**
 - **Directly above a heat source or where hot/cold air or steam will blow onto it.**
 - **On or above a microwave or toaster oven.**
 - **Directly on or above the cooktop.**
- Do not allow grease to build up on the sensing unit. This will reduce *STOVE GUARD*'s sensing range and possibly turn the cooktop OFF even when someone is at the cooktop.
- Clean the outer surface of the EMU with a clean, damp cloth only. Do not use soaps or cleaning liquids.

IMPORTANT PERSONAL SAFEGUARDS

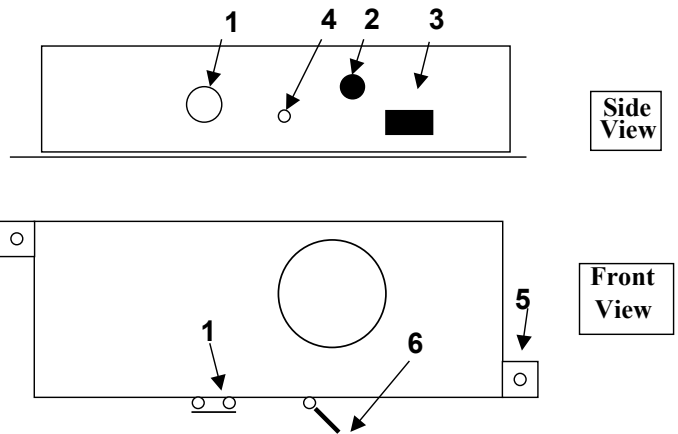
STOVE GUARD must be tested with the Individual who requires this device and adjusted to their personal needs, as well as adjusted to the home environment of use to ensure proper functioning. Additional fire safety devices; such as smoke detectors & fire extinguishers must also be used to ensure complete cooking fire safety.

WHAT'S INCLUDED (UNPACKING CHECKLIST)

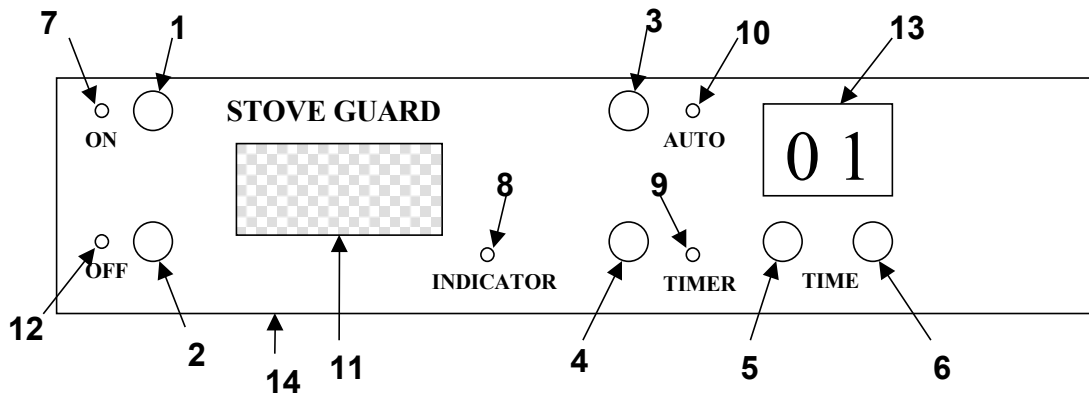
- Power Box
- EMU (Electronic Monitoring Unit)
- Wall mounting screws (2 short) and under cabinet screws (2 long)
- Instruction Manual

STOVE GUARD COOKTOP CT-208 - POWER BOX

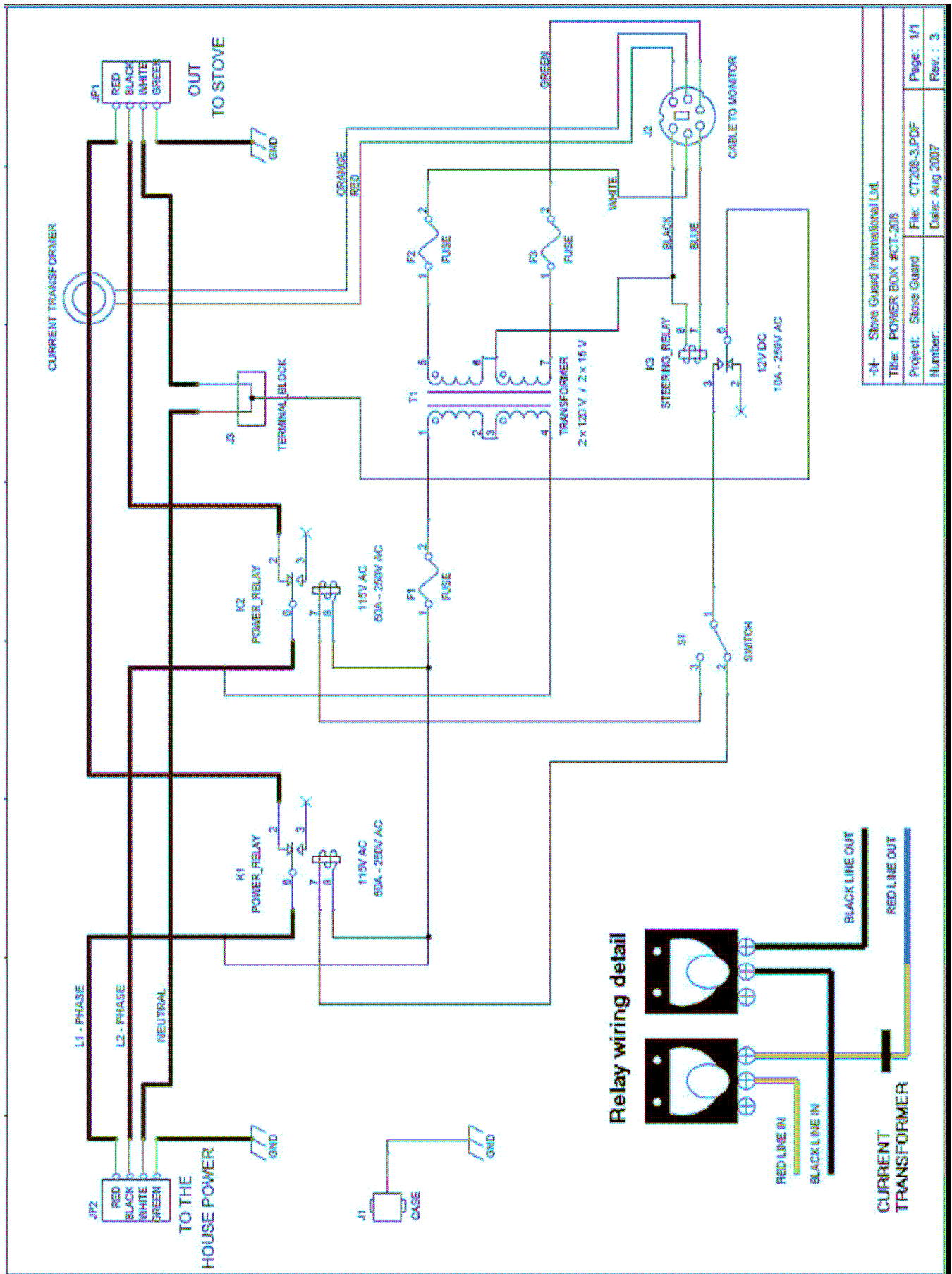
1. Main Power 220-240V wire opening/clamp
2. 240VAC 0.7A Fuse
3. Rocker Switch to Control 120V Power
(Must be set during installation)
4. EMU Cord Opening
5. Mounting Brackets
6. Control Cord to EMU Sensor/Timer



EMU - ELECTRONIC MONITORING UNIT



- | | |
|---|---|
| <ol style="list-style-type: none"> 1. ON Button 2. OFF Button 3. AUTO MODE Button to activate PIR Motion Detector (recommended setting) 4. TIMER MODE Button 5. TIME ADJUST Button in 10 minute intervals 6. TIME ADJUST Button in 1 minute intervals 7. ON Indicator LED | <ol style="list-style-type: none"> 8. MOVEMENT Indicator LED for PIR 9. TIMER MODE Indicator LED 10. AUTO MODE Indicator LED 11. Motion Sensor Window for PIR 12. OFF Indicator LED 13. TIME Indicator 14. Sensor Height Level (adjustment screw) to raise or lower the sensor's field of view (Normally does not need to be adjusted) |
|---|---|



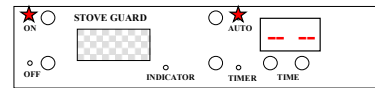
Stove Guard International Ltd.	
Title: POWER BOX #CT-308	
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	Rev.: 3

INSTALLING THE POWER BOX

STOVE GUARD CT-208 MUST BE INSTALLED BY A LICENSED ELECTRICIAN ACCORDING TO LOCAL ELECTRICAL CODES.

Failure to use a professional will result in possible loss of life, warranty & property insurance.

1. Shut off power to the cooktop at the service panel.
2. Access the cooktop wiring.
3. Remove the *STOVE GUARD* Power Box cover & refer to wiring diagram.
4. Disconnect the existing cooktop power wires & feed into the *STOVE GUARD* Power Box.
5. Make connections according to the enclosed wiring diagram.
6. Replace the *STOVE GUARD* Power Box cover.
7. **TEST:**
 - a. Connect the thin white cable from the Power Box (#6 on the Power Box Diagram) to the receptacle in the back of the EMU, by lining up the pins on the connector, do not use force. Route the cable in the recessed groove.
 - b. Turn POWER to the cooktop back ON by switching the circuit breaker back ON or replacing the fuses.
 - c. Check the EMU:
 - The ON red LED should be lit.
 - The AUTO red LED should be lit.
 - A time of -- minute should appear on the TIME Indicator.



**Initial Test Operation: *Setting the Rocker Switch on Power Box to the proper position.*
*Make sure nothing is on the top of cooktop.***

- Turn a back burner ON a low setting. A time of 01 minute should now appear on the TIMER. (A time of 01 minute is the factory default preset).
 - Test *STOVE GUARD* by standing out of the EMU's motion detection area. After 1 minute, power to the cooktop burner should shut off. **DO NOT TOUCH THE BURNER... IT MAY BE HOT...** (The cooktop's burner ON indicator light may remain lit, this is normal.)
 - If the burner does not shut off, switch the rocker switch on the *STOVE GUARD* Power Box to the other operating position (#3 on the Power Box Diagram).
 - Test the burner again. *STOVE GUARD* should shut off the cooktop.
7. The EMU wire can now be routed properly up to the EMU. Depending on the situation, fish the EMU control wire up in the wall to the EMU mounting location or through the countertop or base cabinet.
 8. Mount the EMU to an upper kitchen cabinet approx. 12" from cooktop, or to the wall 18" from the cooktop.
 9. Test *STOVE GUARD* in its various MODES & Instruct the final User on *STOVE GUARD*'s proper use.

INSTALLING the EMU (Electronic Monitoring Unit)

The best location for mounting the EMU is under an upper kitchen cabinet approximately 12" (30cm) from the side of the stove, or on the wall approximately 18" (45cm) from the side of the stove. **Remember: DO NOT place it directly on or above the stove.**

Mounting to the BOTTOM of a KITCHEN CABINET

- Remove the plastic covers from the 2 holes on the top and bottom of the EMU.
- Feed the two long screws from the bottom to the top of the EMU and screw directly into the bottom of the cabinet.
- Ensure that the cable is properly routed back to the Power Box.

Mounting to the WALL

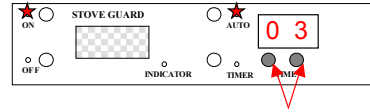
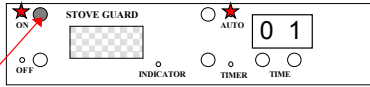
- Mark 2 points on the wall exactly 7 1/16 " (18cm) apart.
- Drill 2 holes and install two short screws, leaving the screw threads exposed approx. 1/4".
- Line up & Place the EMU on the screw heads and slide it down.
- Ensure that the cable is properly routed back to the Power Box.

USING STOVE GUARD

STOVE GUARD has 2 easy-to-use operating modes: **AUTO** and **TIMER**

AUTO Mode:

Pressing the ON button starts **STOVE GUARD** in AUTO Mode, automatically protecting the cooktop user.
This setting provides the maximum protection & no further setting is required.



The AUTO mode allows the PIR (*motion detector*) in the EMU to automatically shut the cooktop OFF if the user is out of the sensing area for longer than the preset time. (*after the 1 minute factory-preset*)

When the user re-enters the sensing area (*approximately 10-12 feet line of site from the EMU*), the **STOVE GUARD** will turn the cooktop back ON & reset to the last preset time.

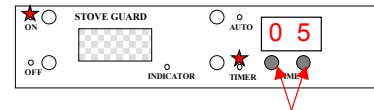
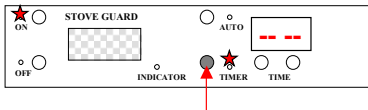
There is no need to reset the timer each time.

NOTE: Time Display will show -- -- Minutes when **STOVE GUARD** is in its resting state. As soon as a burner is turned on, 01 Minutes will be displayed.

The amount of Time can be adjusted to your personal preference by using the **TIME ADJUST** buttons.

TIMER Mode:

STOVE GUARD allows the cooktop to operate only as long as determined by the preset TIME when operating in TIMER countdown mode.



Press the TIMER button to start TIMER Mode.

The TIMER function **must be reset manually** on each occasion you wish to use the stove in TIMER mode.

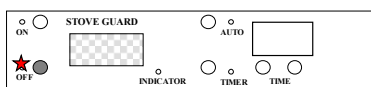
This is because the PIR (*motion detector*) does not control the cooktop when the EMU is set to the TIMER mode.

Time can be adjusted using the **TIME ADJUST** buttons, to the cooking time of a specific dish.

Once the time is counted down, the cooktop will automatically turn OFF.

Return to AUTO Mode by pressing the AUTO button.

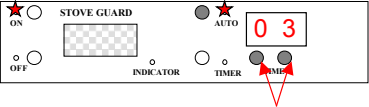
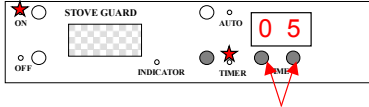
OFF: Turns **STOVE GUARD** OFF.



The cooktop retains its regular functions when **STOVE GUARD** is in the OFF position.

WARNING: STOVE GUARD's Safety Features are DISABLED in OFF Mode.

ADJUSTING the PRESET TIMES

AUTO Mode 	TIMER Mode 
<p>To preset the TIME in AUTO mode:</p> <ul style="list-style-type: none">Press the AUTO button and set the time from 01-39 minutes by pressing the TIME ADJUST buttons. <p>A time of less than 5 minutes is recommended; factory-preset is 01 minute.</p>	<p>To preset the TIME in TIMER mode:</p> <ul style="list-style-type: none">Press the TIMER button and set the time from 01-99 minutes by using the TIME ADJUST buttons, depending on the time required to cook a specific dish.When the time is over, the stove will automatically shut OFF. <p>Movement in the sensing area does not affect the TIMER. The timing function must be manually reset every time the stove is used in TIMER mode.</p>

SENSING LEVEL ADJUSTMENT (Height Adjustment)

The sensing range of the EMU (*Electronic Monitoring Unit*) is over 4 meters (around 12 feet) at a radius of 110 degrees. Each time the motion sensor is activated, the green INDICATOR LED flashes (#8 on EMU Diagram).

- STOVE GUARD* features an adjustable sensing height level to prevent the activation of the cooktop by small children or pets that might be detected by the PIR (*motion sensor*).
- There is a screw located underneath the EMU, which allows you to adjust the viewing height range of the PIR. Normally this does not need to be adjusted.

Note: This adjustment should only be done in the following situations:

- It is determined that the PIR is detecting movements other than those of the intended *STOVE GUARD* user (*such as small children, pets, etc.*) which will pass within the lower portion of it's detection field.
 - To **RAISE the detection field** when the EMU cannot be located higher, slowly turn the screw to the **LEFT**.
- STOVE GUARD* is not detecting the movements of the user because its location is set very high up; the user is very short, or seated in a wheelchair.
 - To **LOWER the detection field** for these situations, slowly turn the screw to the **RIGHT**.

TROUBLESHOOTING

The EMU's LEDs do not light up:

- Check the cooktop fuse or circuit breaker to ensure power is reaching the cooktop.
- Check that all the connections to the *STOVE GUARD* Power Box and EMU are properly connected and press the ON button.
- Check the fuse in the *STOVE GUARD* Power Box (#2 on *POWER BOX* diagram).

The green INDICATOR LED flashes without any reason:

- Avoid placing the EMU within the proximity of the following sources of interference that might accidentally trigger the PIR (*Motion Detector*):
 - Reflective Surfaces: direct air flow from vents, fans and windows.
 - Sources of steam or cooking oil vapor.
 - Infrared light sources: TV or other IR Remote Controls
 - Objects causing temperature changes: such as heaters, refrigerators, toasters and ovens.
 - Do not place objects that a pet can climb onto (*e.g. a cat on furniture*) within 10 feet of the EMU, or furniture higher than 3 ft.
 - In addition, do not aim the EMU at a stairway a pet may have access to.

There was a loss of power (*Electrical Outage*) and *STOVE GUARD* automatically returned to its factory-preset AUTO Mode with a time of 01 minute.

- *STOVE GUARD* may need to be adjusted to your own personal needs.

LIMITED WARRANTY POLICY EFFECTIVE OCT 2006

Stove Guard International Ltd. (SGI) warrants its products to be free from defects and workmanship for a period of (2) two years from original date of purchase. SGI agrees to repair or replace, at its sole discretion, the defective product if returned to SGI within the warranty period and with proof of purchase.

IF SERVICE IS REQUIRED UNDER THIS WARRANTY

1. Call us at 1-888-607-8683 or email us at: sales@stoveguard.ca to obtain a return merchandise authorization number (RMA).
2. Return the defective unit postage paid to the address shown below.
3. Enclose proof of purchase.
4. SGI is not responsible for shipping charges or shipping damage to units returned under warranty. Item should be packed carefully in its original carton.

This warranty does not extend to any SGI products, which have been subject to misuse, accidents, incorrect wiring, modifications in any way or to use in violation of operating instructions furnished by SGI, nor extend to any units altered or repaired for warranty defect by anyone other than SGI.

This warranty does not cover any incidental or consequential damages and is in lieu of all other warranties expressed or implied and no representative or person is authorized to assume for us, any other liability in connection with the sale of our products.

FOR TECHNICAL SUPPORT PLEASE CONTACT

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