

Please keep this manual for future reference

Gas Stove Guard

*WARNING: Gas Stove Guard is to be used with gas cooking appliances.
It is not designated for use with space (room) heaters!*

STOVE GUARD is an electronic safety device for use with gas stoves and must be installed by qualified personnel only!

It turns them OFF when you forget, by using the advanced technology found in security monitoring devices, and a specially programmed micro controller.

STOVE GUARD controls the stove's gas supply system, to help prevent food and pots from burning, as well as reducing the risk of fire, caused by unattended cooking.

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

- When properly installed, adjusted and set to **AUTO** mode, STOVE GUARD will automatically shut the gas stove OFF if no one is present in the monitored cooking area (3-4metres) for a preset period of time.
- STOVE GUARD can also be used in the **TIMER** mode, to set a maximum cooking time, after which the appliance will be automatically turned OFF.

IMPORTANT TECHNICAL SAFEGUARDS

DO NOT INSTALL the EMU (Electronic Monitoring Unit) in the following locations:

- Directly above the heat source, where hot and cold air or steam will blow onto it.
- On or above microwaves and toaster ovens, directly on or above the appliance.
- Directly on or above the gas stove.

Do not allow grease to build up on the motion sensor window. This will reduce STOVE GUARD's sensing range, and possibly turn the stove off, even when someone is in front of the gas stove.

Clean the outer surface of the EMU with a clean, damp cloth only. Do not use soaps or cleaning liquids.

IMPORTANT PERSONAL SAFEGUARDS

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

WHAT'S INCLUDED (UNPACKING CHECKLIST)

- EMU (Electronic Monitoring Unit)
- Plug Pak 240VAC/12VDC
- Asco Certified Gas valve with 3 metre cable
- Instruction & Operating Manual

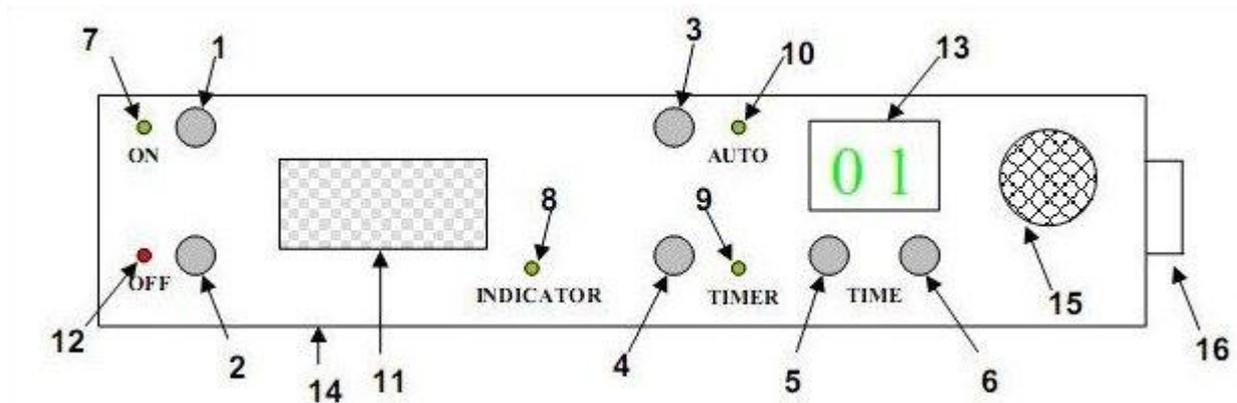
GAS VALVE

The gas valve is an approved device that controls gas supply to the gas stove.

DO NOT USE with gas pressures of greater than 350 kPa.

EMU – ELECTRONIC MONITORING UNIT

The control unit of the Gas Stove Guard

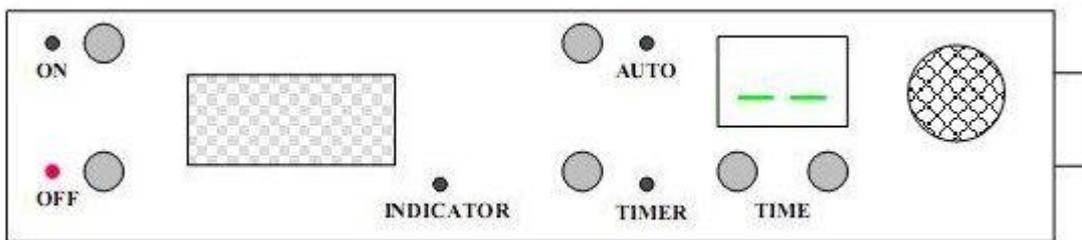


- | | |
|---|---|
| 1. ON button | 10. AUTO MODE green indicator LED |
| 2. OFF button | 11. Motion sensor window |
| 3. AUTO MODE button | 12. OFF red indicator LED |
| 4. TIMER MODE button | 13. TIME display |
| 5. TIME ADJUST button in 10 min intervals | 14. Sensor Height Level (adjustment screw) to raise or lower the sensor's field of view (Normally does not need to be adjusted) |
| 6. TIME ADJUST button in 1 min intervals | 15. Gas Sensor |
| 7. ON green indicator LED | 16. Buzzer |
| 8. Motion Sensor MOVEMENT green indicator LED | |
| 9. TIMER MODE green indicator LED | |

INSTALLING GAS STOVE GUARD

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

1. Shut off the gas stove.
2. Disconnect and isolate the gas supply to the stove.
3. Install the Gas Valve on the gas supply line.
4. Connect the Gas Valve 3m lead to the terminals at the rear of the EMU.
5. Connect the Power Pak lead into the recessed socket on the rear of the EMU
6. Plug the Power Pak to the wall outlet (240V AC) and turn on the power.
7. Check the Electronic Monitor Unit:
 - The red OFF LED should be blinking.
 - Two dashes should appear on display.



8. Turn on the gas supply. Gas valve should still be closed, to prevent gas reaching the stove.
9. Press the ON button on the Electronic Monitor Unit. It opens the gas valve, and brings gas to the stove. The green ON and AUTO LED should light and display should show "01" – default number of minutes before the Stove Guard will shut off the stove, if no movement is detected.
10. When movement is detected (you walk near EMU), the green indicator LED lights. Test it.
11. Light the appliance. Stand out of the EMU's motion detection area. After 1 minute, gas supply to the stove should be disconnected and stove should be shut off. The buzzer in the Electronic Monitor Unit should beep every minute. The Red OFF LED will be lit.
12. Manually turn off the stove. Press the ON button. Gas supply to stove is established, and the gas stove is ready for use with Stove Guard's safety features.
13. If user's personal needs are different from the factory default settings, adjust the settings of Stove Guard. Refer to the HOW TO ADJUST THE STOVE GUARD part of the manual.

MOUNTING THE EMU (ELECTRONIC MONITORING UNIT)

The best location for mounting the EMU is under an upper kitchen cabinet, approximately 300mm from the right or left side of the cooktop, or on the wall approximately 450mm from the right or left side of the cook top.

Remember: DO NOT place it directly on or above the cooktop

Mounting to the Bottom of a Kitchen Cabinet

1. Remove the plastic covers from the 2 holes on the top and the bottom of the EMU.
2. Feed two appropriate screws (not supplied) from the bottom to the top of the EMU and screw directly into the bottom of the cabinet.
3. Ensure that the cable is routed back cleanly to the Power Box, avoiding heat sources.

Mounting to the Wall

1. Mark two points on the wall exactly 180mm apart.
2. Drill two holes and install two suitable screws (not supplied), leaving the screw heads exposed by approximately 6mm.
3. Line up and place the EMU onto the screw heads and slide it down.
4. Ensure that the cable is properly routed back to the Power Box.

In either case, Mini Trunking (e.g. Aussie Duct) can be used to contain and cover the cables if they are exposed.

USING GAS STOVE GUARD

After a power failure or on first use, the red OFF LED (number 12 on the first picture) will be lit and display (13) will show "--". For safety reasons, the valve is closed and the stove remains turned off, until the user presses the ON button (1). Preset time is restored. ***Stove Guard keeps this user setting, even if there is a loss of power.***

The *STOVE GUARD* has three operating modes to control the stove: **AUTO, TIMER** and **OFF**,

AUTO mode

Green ON (7) and AUTO indicators (10) light

The AUTO mode allows the passive infrared detector to automatically shut down the stove (close the valve), if user is out of the sensing area for longer than the pre-set time (factory default is 1 minute). The Green movement indicator (8) lights every time movement is detected and resets the clock to the pre-set time. When the user enters the sensing area, the Stove Guard will turn the Stove Guard timer back onto the preset time. Display (13) shows number of minutes left before Stove Guard turns off the stove, if no movement is detected. If no movement is detected (user lights stove and leaves the kitchen) for the pre-set time, Stove Guard will turn off the stove, display will show "00", red OFF LED (12) will light and the buzzer in the electronic monitor unit will make two short beeps every minute. If user presses the OFF button (2), the buzzer stops beeping, but the Stove Guard keeps the valve closed and the stove remains turned off. If ON button is pressed, the stove has gas supply again. **To prevent fire/explosion, it is recommended to turn the stove burner knob to the OFF position before turning Stove Guard ON. This will prevent gas from permeating the room.** The user must restart the ignition of the stove's burner manually. Stove Guard will not restart the stove burners.



TIMER mode

Green ON (7) and TIMER indicators (9) light

In TIMER mode, the appliance will operate for a preset time (default is 1 minute), which can be adjusted to the cooking time of the specific dish. The display shows the number of minutes left before Stove Guard turns off the appliance. Once the preset time is over, the stove will turn off. The movement detection does not work in the TIMER mode. When display does not show decimal point, time is displayed in minutes. When decimal point lights between digits on display, remaining time is displayed in hours and tenth of hours. From 1.7 hours, display goes back to 99 minutes. When countdown timer reaches **00** Stove Guard will turn off the stove, red OFF LED will light and the buzzer beeps every minutes until OFF button is pressed.

OFF mode

Red OFF indicator (12) lights

When the Stove Guard is in OFF mode, the valve is closed, gas is disconnected and the stove remains turned off.

HOW TO ADJUST THE STOVE GUARD

1. ON button (1)

Turns ON Stove Guard from OFF mode and resets preset time in AUTO mode. It also connects the gas supply. **To prevent fire/explosion, turn stove burner knob to OFF position before turning Stove Guard ON. This will prevent gas from the stove entering the room.**

2. OFF button (2)

Turns OFF the Stove – disconnects gas supply. **When stove is restarted, the time will be reset to the last setting.**

3. AUTO button (3)

Turns Stove Guard in AUTO mode and resets preset time. Factory preset time is 01 min. **Max time setting is 15 minutes in Automatic.**

4. TIMER button (4)

Turns Stove Guard in TIMER mode and resets time to 01 minute. User has to hold the TIMER button for more than 3 seconds. This delay is a safety feature. It avoids accidental activation of the timer mode.

5. and 6. TIME adjust buttons

The TIME buttons are used for adjusting the preset time for AUTO and TIMER modes. **The user can choose between 01 and 15 minutes in AUTO or 01 minutes and 7.0 hours in TIMER mode.** The left button adds 10 minutes, and the right button adds 1 minute to the pre-set time. After reaching the maximum settings, the preset time goes back to 01 minute. After reaching 99 minutes in TIMER mode, the display shows time in hours and tenth of hours. The left button adds 1 hour and the right button adds 0.1 hour (6 minutes) to the pre-set time. The user has to hold these buttons for more than 3 seconds to make them active.

GAS SENSOR

An additional safety device is a gas sensor. If the gas sensor detects the presence of gas in the kitchen, it will shut off the gas supply to the stove. The RED OFF LED will flash and the buzzer will continuously buzz, as long as the sensor detects gas. The sensor is less sensitive on bottled gas than natural gas and may react more slowly.

The display will show “A2” for higher or “A1” for lower gas concentration. When no presence of gas is detected, the display will show “A0”, the buzzer will beep every minute and the stove remains disconnected from gas supply. User has to manually turn off the stove to prevent gas leaking. After that, the user can press the ON button. Stove Guard will open the Gas Valve, which will supply gas to the stove. Now the stove can be restarted. For safety reasons, pressing the ON button will not open the valve as long as gas is detected (“A2” or “A1” shown on the display).

The gas sensor needs to reach the working temperature in order to detect gas properly. **In the first 80 seconds** (time for gas sensor heating), after a loss of power or after first use of Gas Stove Guard, **gas sensing is disabled**. Please note that the gas sensor will be warm to touch when operating.

BUZZER

The buzzer gives an audio signal when countdown timer reaches “00”. This happens in Auto mode when nobody is in movement detecting area for preset time (user turn on the stove and left the kitchen). In Timer mode this happens when cooking is finished – preset time elapsed. The buzzer will repeat two short beeps every minute till user presses the Off button. Some users find repeating beeping annoying. This factory default setting (repeating beeps) could be changed to one time beep or to no beeps.

For buzzer’s setting change:

- Go to OFF mode (press and release the off button).
- For “no beeps” press and hold the timer button for 7 seconds. Display will show “b0”.
- For “one time beep” (no repeating) press and hold the left time set button for 7 seconds. Display will show “b1”.
- For “repeating beeps” press and hold the right time set button for 7 seconds. Display will show “b2”.
- Go back to previous mode.

If gas presence is detected, then continuously buzzing happens regardless if “no beep” setting is selected.

SENSING LEVEL ADJUSTMENT (Height Adjustment)

The sensing range of the EMU (Electronic Monitoring Unit) is over 4 metres (around 12 feet), at a radius of 110 degrees. Each time the motion sensor is activated and Stove Guard is in AUTO mode, the green indicator LED flashes.

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

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

1. It is determined that the passive infrared detector (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 its detection field.
 - To **RAISE the detection field** when the EMU cannot be located higher, slowly turn the screw to the **LEFT**.
2. 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

You cannot light the gas stove:

- The Stove Guard has shut off the gas supply. **Do not forget to press the ON button before lighting the stove.**
- Check connections on the Gas Valve and EMU.

False gas detection:

- The gas sensor did not reach the working temperature. If the Gas Stove Guard was stored in a cold place, the gas sensor needs more than the default 80 seconds to reach the working temperature. Ignore the false gas detection and keep the Stove Guard powered for a couple of hours.

The EMU's LED's do not light up:

- Check that all the connections to the STOVE GUARD EMU are properly made (Power Pak has to be plugged to the wall outlet and the EMU, plus the gas valve has to be connected to the EMU), and press the ON button.

The green INDICATOR LED flashes without any reason:

Avoid placing the EMU within the proximity of the following sources of interference, as they 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 3 metres of the EMU, or furniture higher than 1 metre.
- In addition, do not aim the EMU at a stairway that a pet may have access to.

There was a loss of power (Power Outage)

- STOVE GUARD automatically closes the valve and the stove remains turned off, until user presses the ON button. The gas sensor is disabled in the first 80 seconds after power is on.
- The stove will not be available for use in a Power Outage!

WARRANTY POLICY

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

All STOVE GUARD devices are tested and inspected by qualified personnel, before they are packed and shipped.

IF SERVICE IS REQUIRED UNDER THIS WARRANTY

- Call us at +61 (08) 9272 7122 or email us at: sales@jgthomas.com.au to obtain a goods return authorization number (GRA).
- Return the defective unit freight paid to the address shown below.
- Enclose proof of purchase.
- JGT 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 JGT products which have been subject to misuse, accidents, incorrect wiring, modifications in any way, or used in violation of operating instructions furnished by JGT, nor extends to any units altered or repaired for warranty defect by anyone other than JGT.

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.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure, and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced, if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

FOR TECHNICAL SUPPORT PLEASE CONTACT



5 Durham Road, Bayswater, Western Australia 6053

Tel: +61 (0)8 9272 7122 | Fax: +61 (0)8 9272 7641

Email: sales@jgthomas.com.au | Website: www.jgthomas.com.au

ABN 26934140634