

FireAngel®

STOVE GUARD

SGEL-SN-1

MAIN MANUAL

Installation and Operating Instructions



For indoor use only.

Do not use in a professional kitchen.

The Control Unit must be installed by an authorized electrician.

SGEL-SN-1-UserManual-A1



Thank You for choosing the FireAngel Stove Guard!

Stove Guard SGEL-SN-1 is a safety product for domestic kitchens. The Stove Guard consists of the Intelligent Heat Sensor that monitors the cooker, and the Control Unit that cuts the power if a dangerous situation occurs. Automatic fault diagnosis prevents the use of the cooker if the Sensor is removed. The safety rules must be read before using the product and must always be followed.



Safety rules

The Stove Guard does not cover all potentially dangerous situations, but it makes the use of the cooker significantly safer.

The Stove Guard can be used for all electric cookers from 0-90 cm wide. For wider cookers, contact the retailer.

Never leave the cooker unattended.

Always check compliance with local regulations.

- For indoor use only.
- Do not use in a professional kitchen.
- Do not leave the cooker unattended after the pre-alarm is reset.
- Do not hold the Heat Sensor closer to the ear than 15 cm. It can cause hearing damage when it emits an alarm.
- Do not leave children alone with the product or any of its parts or packaging. There is a risk of choking.
- Do not disassemble the product.
- Do not immerse the Sensor in water.
- The Stove Guard will not emit an alarm if the temperature of the cooker is too low to identify a dangerous situation, or if the cooker has an automatic limitation of temperature increase.
- The Stove Guard does not cut all phases when the cooker is switched off. It must never be used to turn off the cooker's power supply for service/repair.
- Do not short-circuit, charge, open or burn the batteries. There is a risk of explosion.

The operating instructions, accessories and stickers must accompany the product. Follow the safety rules for safe use of the Stove Guard. If you have questions about the product, ask a specialist or refer to FireAngel.co.uk

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1

Installing the Stove Guard

To install correctly, follow the instructions.



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STEP 2:
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INSTALLATION

OF INTELLIGENT HEAT SENSOR

The best place to install the Intelligent Heat Sensor is horizontally, on the fan, directly above the middle of the cooker. The Sensor can also be mounted on a wall with an angle bracket or in the ceiling. One Sensor covers a cooker up to 90 cm wide. Follow the instructions for correct installation.

Safety

In order for the Heat Sensor to function optimally and give an alarm at the right time, it is crucial that the Sensor is properly positioned and that the sensitivity is properly configured.

Sensitivity

The Heat Sensor's sensitivity is factory-set for horizontal installation 45-60 cm above the cooker.

The sensitivity must be adjusted if the installation height differs from the factory setting. See page 19.

INSTALLATION LOCATIONS

RECOMMENDED

Installation under cooker hood



OPTIONAL

Wall mounting

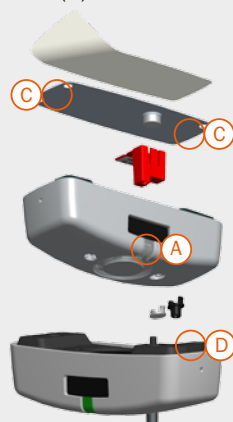


Ceiling mounting



Correct installation of the Heat Sensor

During installation, the Sensor should be placed on the mounting plate to ensure correct mounting with the LED (A) facing out towards the user. Place the Sensor parallel to the plate. The metal pins on each side of the mounting plate (C) must each meet their track on the short edges of the Sensor (D).



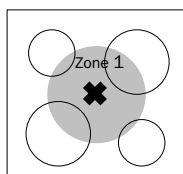
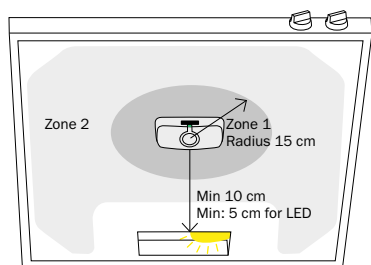
Note! Incorrect positioning of the Sensor on the mounting plate will cause disconnection of the cooker.

1a



Select the mounting location

Measure the installation height. The Heat Sensor should be centred above the cooker, preferably within zone 1 (see the table). It can be attached to the grease filter. The minimum distance to the lamp is 10 cm (5 cm for LED). Clean the surface well and dry it before mounting.



Zone 1 is immediately above the middle of the cooker. Max 15 cm from the centre.



Mount the Heat Sensor

Attach the mounting plate while the Sensor is on it.

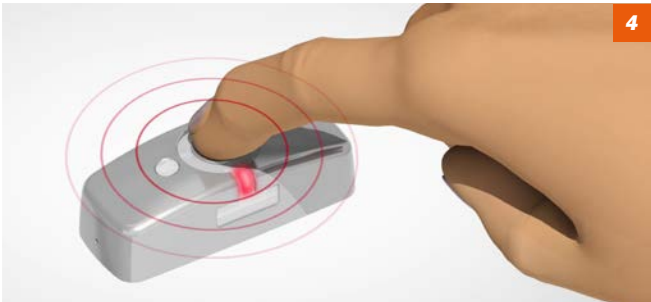
Remove the protective foil from the mounting plate. Attach the Sensor with the lamp (A) facing the user.

Remove the Sensor (one “beep” ● may be heard). Press the mounting plate firmly against the surface so that the adhesive tape is firmly attached.

COOKER HOOD

HORIZONTAL INSTALLATION UNDER COOKER HOOD

Allow the Heat Sensor to reach room temperature before use. The power to the cooker must be switched off (fuse box). See the table for the mounting location and follow the instructions from 1-4.



Starting the Sensor

Remove the red battery disconnection piece (B) and replace the Sensor on the mounting plate.


Press in the Sensor cover (lamp (A) flashes green).

Keep the battery disconnection piece for future use.

Check installation height

Set the Sensor's sensitivity level according to the mounting height. The factory setting for sensitivity level is 45-60 cm above the cooker.

If the installation height is not between 45-60 cm sensitivity needs to be set manually (see the table underneath and page 18, or watch the film on sensitivity configuration).

DISTANCE FROM COOKER TO SENSOR	MOUNTING LOCATION		SENSITIVITY LEVEL CONFIGURATION	
	0-60 cm wide cooker	61-90 cm wide cooker	Sensitivity	Acknowledgement "beep(s)"
81 - 100 cm *	Zone 1 and 2	Zone 1	3 presses	● ● ●
77 - 80 cm	Zone 1 Zone 2 (Note! See EN requirement, page 20, point 4)	Zone 1 (Note! See EN requirement, page 20, point 4)	4 presses	● ● ● ●
71 - 75 cm			5 presses	● ● ● ● ●
65 - 70 cm			6 presses	● ● ● ● ● ●
61 - 64 cm			7 presses	● ● ● ● ● ● ●
45 - 60 cm Factory setting			8 presses	● ● ● ● ● ● ● ●
			 Watch the film on sensitivity configuration (48 sec.) goog.gl/eS3oZF	

* For wall mounting lower than 80 cm and horizontal mounting 81-100 cm below the fan, the sensor will not in all cases meet all EN standard requirements.

1b



Select the mounting location and mount the bracket

Wall mounting requires a bracket, which is sold separately (see page 28). The bracket is fastened on the wall using adhesive tape or screws. Clean the surface well and dry it.

See the mounting instructions in the bracket package. Make sure that the bracket is positioned correctly and that the angle is adjusted, so that the Sensor faces towards the centre of the cooker.

Mounting height on the wall above the cooker

Max 90 cm wide cooker.

Recommended: 80 cm

Alternatively: 65-79 cm

See the mounting instructions in the bracket package.

Mount the Heat Sensor

Attach the mounting plate while the Sensor is on it.

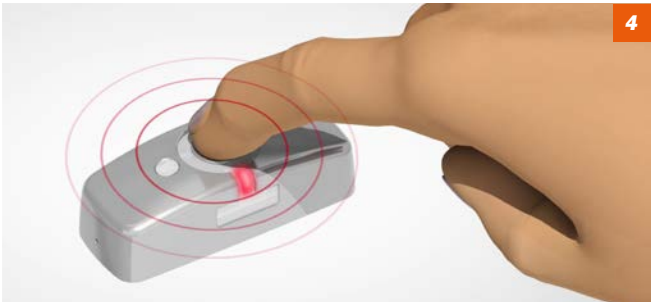
Remove the protective foil from the mounting plate. Attach Heat Sensor with the LED (A) facing the user.

Remove the Sensor (one “beep” ● may be heard). Press the mounting plate firmly against the bracket, so that the adhesive tape is firmly attached.

WALL

WALL MOUNTING WITH BRACKET

Allow the Heat Sensor to reach room temperature before use.
See the table and follow the instructions from 1-4.



Starting the Sensor


Remove the red battery disconnection piece (B) and return Heat Sensor on the mounting plate.

Press the Heat Sensor cover (LED (A) flashes green).

Keep the battery disconnection piece for future use.

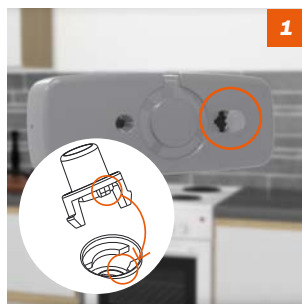
Set sensitivity level

Set the Heat Sensor's sensitivity level according to the table below.
See page 18.

MOUNTING HEIGHT		SENSITIVITY LEVEL CONFIGURATION	
		Sensitivity	Acknowledgement "beep(s)"
80 cm (recommended)		3 presses	● ● ●
70-79 cm *		3 presses	● ● ●
65-69 cm *		4 presses	● ● ● ●
		Watch the film on sensitivity configuration (48 sec.) goog.gl/eS3oZF	

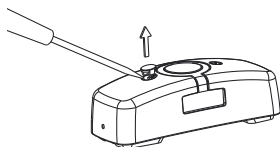
* For wall mounting lower than 80 cm and horizontal mounting 81-100 cm below the fan, the sensor will not in all cases meet all EN standard requirements.

1c



Replace lens

Carefully lift the lens with a screwdriver. Press down the IR lens extension (included) as shown in the picture. The extension should point upwards at an angle of 90°. If it does not point straight up, it is set 180° the wrong way.



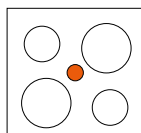
Select the mounting location

The sensor must be placed directly above the cooker or at an angle with a mounting bracket (sold separately). Use a weight and a string, or Precision Installation Tool SAI500-PIT, to find the cooker's centre point, or see the mounting instructions in the bracket package.

Clean the surface well and dry it.

Recommended position

Immediately above the middle of the cooker. Max 5 cm from the centre.



Mount the Heat Sensor

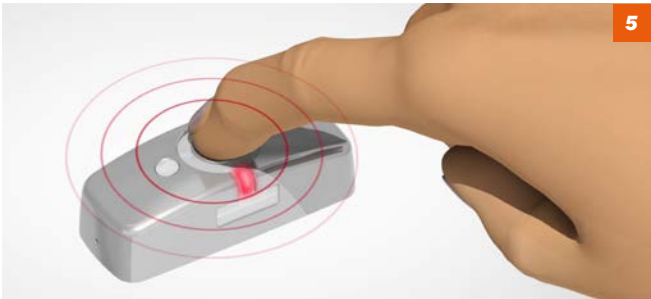
Attach the mounting plate while the Sensor is on it.

Remove the protective foil from the mounting plate. Attach the Sensor with the LED (A) facing the user.

Remove the Sensor (one "beep" ● may be heard). Press the mounting plate firmly against the surface for at least one minute so that the adhesive tape is firmly attached.

CEILING

Allow the Heat Sensor to reach room temperature before use. See the table for the mounting location and follow the instructions from 1-5.



Starting the Sensor

Remove the red battery disconnection piece (B) and replace the Sensor on the mounting plate. Press the Sensor cover (LED (A) flashes green).

Keep the battery disconnection piece for future use.

Set sensitivity level

Set the Sensor's sensitivity level to 1. See page 18.



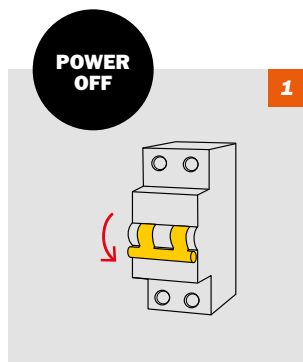
See film:
[goog.gl/eS3ozF](https://www.google.com/search?q=goog.gl/eS3ozF)

MOUNTING LOCATION		SENSITIVITY LEVEL CONFIGURATION	
Mounting height above the cooker	0-60 cm wide cooker	Sensitivity	Acknowledgement "beep(s)"
150-180 cm	Recommended: Immediately above the middle of the cooker. Alternatively: Farther out into the room with bracket. See the bracket package for mounting.	1 press	
Mounting height above the cooker	0-90 cm wide cooker		
181-200 cm	Recommended: Immediately above the middle of the cooker. Alternatively: Farther out into the room with bracket. See the bracket package for mounting.		

CONTROL UNIT

INSTALLATION OF CONTROL UNIT

It is a statutory requirement that the Control Unit is installed by an authorized electrician, except for plug & play versions. The power to the cooker must be disconnected during the entire installation.



Disconnect the power

Switch off the power from the fuse box.

Note! Do not turn on the fuse before the Sensor is set and ready for a function test.

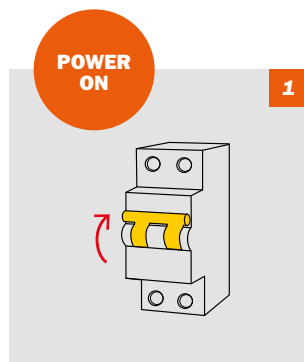


Connect to the Control Unit

Connect according to the wiring diagram, see page 28.

FUNCTION TEST

The installation is completed when the test has been passed.
The Sensor will then give an alarm that can save lives and property.
The operating instructions, accessories and stickers must accompany the product.



Return the power

Connect the power.

Switch on the power from the fuse box.



Perform function test

Wait 30 seconds. Press and hold the Sensor cover until the Sensor emits a "beep" (●) and the red LED flashes.

The Control Unit will switch off the cooker and give an alarm signal every 5 seconds. The Sensor will also emit a test alarm after a few seconds.

Note! Check that there is no power connected to the cooker (or that there is no voltage in the Control Unit).



Reset the alarm

Reset the test alarm by pressing once on the Sensor cover.

Check that the cooker can be turned on (or that there is voltage in the Control Unit).

If the Sensor does not respond or if the test alarm cannot be reset, see page 22, points 5 and 6.

Installation is now ready.

Wait 15 minutes before using the cooker.

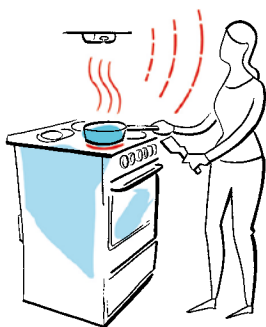
2



GETTING STARTED

WITH THE STOVE GUARD

The cooker is ready for use after 15 minutes from completing the installation of the Stove Guard. However, at the beginning, it may start to signal during normal cooking. This is because the Intelligent Heat Sensor learns what are the normal temperature ranges during cooking.



The Sensor may start making short “beeps” every couple of seconds while it is being used (“pre-alarm”).



Press the cover to indicate that it is not a dangerous situation.



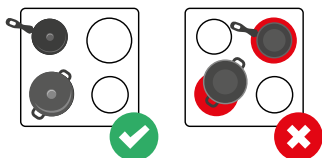
The Sensor has then learned more about your cooking habits and you can continue cooking.

READ BEFORE

USING THE STOVE GUARD

Avoiding false alarms

Use a pan that covers the entire hotplate to prevent false alarms. Using a lid is recommended. Always use the cooker hood if you have one.



If you have a freestanding cooker or an oven under the hob, the oven knobs must also be turned off once the power supply to the cooker or hob has been switched off by the alarm.

After alarm

Mechanical knobs

If the Stove Guard has turned the cooker off, first turn all cooker knobs to 'O', then press the Heat Sensor cover once. After this, the cooker can be used normally.

Touch controls

If the Stove Guard has turned the cooker off, press the Heat Sensor cover once. After this, the cooker can be used normally.

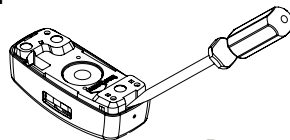
In some cases you must wait until the cooker has cooled down to continue the use.

Dislocation alarm

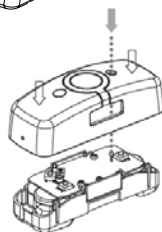
Removing the Heat Sensor from the mounting plate turns the cooker off. Returning the Sensor back to the mounting plate returns the power to the cooker.

Opening and closing the Intelligent Heat Sensor cover

Use the tip of a screwdriver to carefully detach the cover, one end at a time.



To put the cover back, put both ends in at the same time.



Make sure that the black round Sensor goes through the opening of the cover.

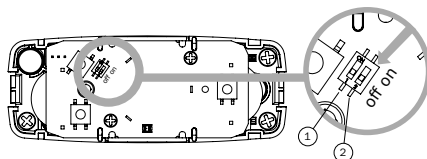
Silent alarm

The Heat Sensor alarm signal can be turned off for users that find it disturbing.

For low installations (Heat Sensor installed lower than 90 cm above the cooker top): since the user will not notice the Heat Sensor pre-alarm signal and therefore will not be able to use the learning sensitivity feature, it is recommended to decrease Heat Sensor's sensitivity by one level, see page 18.

Procedure

Open the cover. Turn the DIP switch 2 to 'off' position (the image shows the switch in 'on' position). Place the cover back according to instructions.

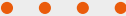








Action in event of alarm



The cooker will automatically be ready for use after the Stove Guard has detected that the hazardous situation is over, and all the switches are set to “0”.

See the alarm overview below for actions.

Heat Sensor 4 “beeps” with 1-second interval. 	Dislocation Alarm The Sensor is removed from the mounting plate. 	Return the Sensor on the mounting plate with the LED facing the user.
Heat Sensor Short “beeps” with a few seconds’ interval. 	Pre-Alarm The Sensor alerts of danger for 20 seconds before disconnecting the cooker.	If the alarm was triggered during normal cooking: press the Sensor cover once while the pre-alarm sounds. The alarm is turned off and the sensitivity adjusts slightly.
Heat Sensor Many quick “beeps” followed by a long very loud sound.	Switch-off Alarm The cooker is switched off.	Press the Sensor cover once to return the power to the cooker. Make sure that the switches are set to “0” in case of a fire hazard or if you leave the cooker.
Control Unit Short “ring” with 5-second intervals. 	No power The power to the cooker has been cut off.	Make sure that the switches are set to “0” in case of a fire hazard or if you leave the cooker. Wait until the cooker has cooled down after the cooker has been disconnected or press the Sensor cover once to reconnect the cooker. If the cooker cannot be switched back on, see FAQ, question 9, page 23.
Control Unit Continuous “rings”. 	No power The cooker is too hot for the power to be turned back on.	Make sure that the switches are set to “0” in case of a fire hazard or if you leave the hob. Wait until the cooker has cooled down and the Control Unit emits a short “ring” with 5-second intervals, as described in the section above, or press the Sensor cover once to reconnect the cooker. If the alarm does not stop, follow the instructions on page 23, FAQ question 9, and press again.
Control Unit Short and long “ring” with 10-second intervals. 	No power due to Auto-diagnostics Alarm The cooker has been disconnected due to a temporary fault (automatic error diagnosis).	Make sure that the switches are set to “0” in case of a fire hazard or if you leave the cooker. Wait until the cooker has cooled down or press the Sensor cover once to reconnect the cooker. If the cooker cannot be switched back on, see FAQ, question 3, page 22.
Heat Sensor One “beep” per minute. 	Battery Alarm The Sensor has a low battery.	The Sensor battery has run out and the Sensor needs to be replaced. Pressing once on the Sensor cover delays the alarm for 12 hours. When the batteries have been used up, the cooker can only be used for 5 minutes at a time (EN requirement).
Control Unit One “ring” per minute. 	Battery Alarm The Sensor has a low battery.	The Sensor battery has run out and the Sensor needs to be replaced. Pressing once on the Sensor cover delays the alarm for 12 hours. When the batteries have been used up, the cooker can only be used for 5 minutes at a time (EN requirement).

OTHER SETTINGS

Change the Sensor's sensitivity settings

Due to the differences in the kitchen environment, the sensitivity level of the Sensor may have to be set manually.

1. Remove the Sensor from the mounting plate

The Sensor emits 4 "beeps" (●●●●). The cooker is turned off.

2. Adjust the sensitivity



Place the Sensor on the table (as shown in the picture). Press and hold in until 2 "beeps" (●●) are heard.



Press with 1-second interval according to installation instructions on pages 7-11, depending on the installation location.

3. Confirmation of setting

After 5-15 seconds, the Sensor will confirm the sensitivity setting with the same number of "beeps". In case of error, start from step 2 again.

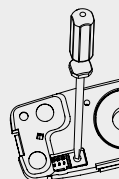
4. Activate the Sensor

Return the Sensor correctly on the mounting plate. Make sure it fits well. See page 5.

Note! Note! If the Stove Guard is installed for the first time, installation must be completed with a function test. See page 13. The Sensor's sensitivity can be checked or reset to the factory setting. See page 19.

If the battery disconnection piece is missing

A screwdriver can be used if the battery disconnection piece is missing. Carefully press the button on the underside of the Sensor.



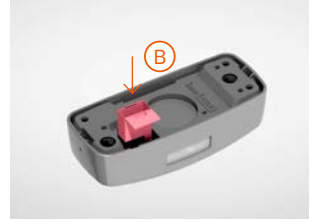
Checking the Sensor's sensitivity setting

1. Remove the Sensor from the mounting plate. (The Sensor gives 4 "beeps" (●●●●) and the cooker is switched off.)
2. Press and hold the Sensor cover (approx. 10 sec.) until two "beeps" (●●) are heard.
3. After a moment, the sensor beeps to indicate the configured sensitivity. Unadjusted sensor's sensitivity setting is level 8, and when checking the level, the sensor gives a set of "beeps" as follows: 8 - 8 - 5 - 8. If the sensitivity was adjusted to level 3, the sensor would give "beeps": 3 - 3 - 5 - 3.

Acknowledgement "beep" factory setting (unadjusted Sensor):
8 + 8 + 5 + 8 "beeps".

Reset the sensitivity to the factory setting

1. Remove the Sensor from the mounting plate. (The Sensor gives 4 "beeps" (●●●●) and the cooker is switched off).
2. Insert the battery disconnection piece (B) into the hole on the underside of the Sensor. Press the disconnection piece and the cover against each other and hold in for about 5 seconds.
3. Release the hold. (The Sensor emits a "beep" ●). Remove the battery disconnection piece and store it for future use.
4. Press and hold the Sensor cover until you hear 3 separate "beeps" (●●●).
5. Return the Sensor to its position.

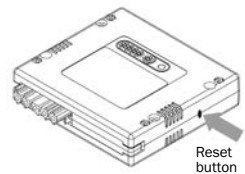


Pairing of devices

The units are already paired at the factory. When replacing the Heat Sensor or Control Unit, the devices must be paired again.

Note! The Heat Sensor must be placed on the mounting plate during pairing.

1. Check that the cooker is connected to the power supply.
2. Press and hold the reset button on the Control Unit for 20 seconds (see picture). While pressing, the Control Unit will emit some clicks and buzzes. The Control Unit is now ready to be paired.
3. Press and hold the Heat Sensor cover until the Sensor emits a "beep" (●) and a red LED flashes. The Control Unit makes a buzzing sound and the Heat Sensor emits a "beep" (●).
4. After 5 seconds, the Heat Sensor gives an alarm ("beeps" and continuous beeping). The Control Unit and Sensor are now successfully paired.



5. Reset the test alarm by pressing once on the Sensor cover. Check that the cooker can be turned on. If the Sensor does not respond or if the test alarm cannot be reset, see FAQ, page 22, points 5 and 6.

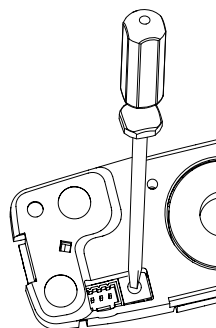
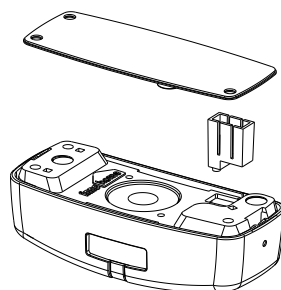
Carbon monoxide / smoke alarm detection

The carbon monoxide / smoke alarm must be placed within 5 metres of the Control Unit. The Stove Guard is compatible with virtually all alarms, but ensure correct alarm recognition by testing the system first. If you wish to deactivate the feature later, carry out the same procedure again.

- 1** Remove the Sensor from the mounting plate. (Wait until the Sensor emits four “beeps” (●●●●) and the cooker is turned off.)
- 2** Put the battery disconnection piece into the space on the under-side of the Heat Sensor (see image).

Hold the Heat Sensor in your hand and press the disconnection piece and the cover towards each other and hold for about 5 seconds. Release your hold (the Sensor emits a “beep” ●). Then press the disconnection piece and the cover towards each other again and hold for about 5 seconds. Release your hold (the Sensor emits a “beep” ●) and remove the battery disconnection piece. If you have lost the disconnection piece, you can use a screwdriver instead (see image).

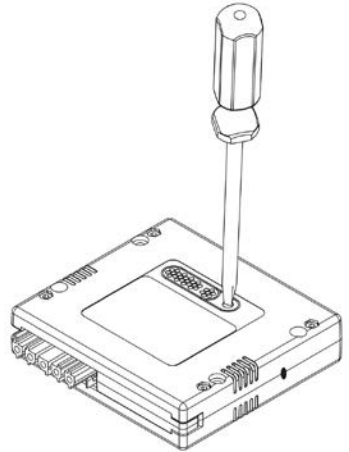
- 3** Press the Heat Sensor cover once. The Sensor will now emit “beeps” confirming its new setting: one “beep” (●) signifies that the Audible Alarm Detection is activated, two “beeps” (●●) signifies that the feature is deactivated.
- 4** Return the Heat Sensor to the mounting plate and press its cover once.



Optional features – sound detection problem situations

The Control Unit did not identify the alarm signal of the carbon monoxide/ smoke alarm

- Note that when CO alarms are tested, their sounds are not always the same as their main alarm sound, and thus they may not be detected by the Stove Guard. See the manufacturer's manual about how to trigger an actual alarm for testing.
- Clean the alarm with the soft brush attachment of a vacuum cleaner.
- Change the batteries in the alarm if necessary.
- Check that the alarm is not located too far from the Control Unit. The alarms should be located at a maximum distance of 5 metres.
- Adjust the signal recognition frequency by turning the trimmer on the Control Unit using a screwdriver (frequency adjustment, see the image below): first turn the trimmer approximately 0.5 mm to the right and then perform a function test with the carbon monoxide/smoke alarm. If the Control Unit does not react to the alarm signal, turn the trimmer 0.5 mm to the left, counting from the original position, and repeat the function test. If the Control Unit does not identify the signal, this time move the trimmer 1 mm to the right. Keep repeating function tests and moving the trimmer with an ever-increasing movement, moving from right to left until the Control Unit identifies the signal.



The Control Unit responds to other sounds e.g. a telephone ringing or noise from a television.

Change the telephone's ring tone or turn down the volume on the television. If the signal that causes the false alarm cannot be disabled, adjust the signal recognition frequency by turning the trimmer on the Control Unit as described above.

FREQUENTLY ASKED QUESTIONS

1. I cannot turn on the cooker, but there is no signal from the Control Unit.

ANSWER 1: The Sensor has been removed or placed incorrectly on the mounting plate. The LED (A) should face the user and be positioned parallel to the mounting plate. See page 5.

ANSWER 2: If the sensor is correctly positioned on the mounting plate, the Control Unit's overheating protection has switched the cooker's power off. The cooker can be switched on again by turning off the power supply for a few seconds using the cooker's fuse (in the fuse box). If the overheating protection fails again, move the Control Unit to a cooler or better-ventilated place.

2. The Stove Guard emits alarms during normal cooking

ANSWER 1: Sensors positioned lower than 90 cm above the cooker have a learning function (see page 6). Pressing the Sensor cover during the pre-alarm lowers the sensitivity slightly.

Other causes of alarms during normal cooking:

- A pot is removed from a hot hotplate
- A kettle/pot that does not cover the hotplate
- Cooking without a lid
- A hot frying pan placed on the hotplate

ANSWER 2: If measures to prevent unnecessary alarms have been performed a few times and the Heat Sensor still emits alarms in the same situation, the sensitivity should be adjusted manually. See page 18.

3. The Auto-diagnostics alarm was not reset by pressing once on the Sensor cover.

The Auto-diagnostics alarm (the Control Unit emits one short and one long "ring" every second time every 10 seconds) may be triggered if the Sensor is not on the mounting plate, if it is positioned incorrectly, or if the Sensors are covered by dirt or grease. It can also be triggered by a problem with the radio connection or the functioning of parts in the system.

ANSWER 1: Make sure that the Heat Sensor is firmly attached to the mounting plate and that it is positioned correctly. The lamp (A) must be facing the user (see page 5). Clean the Sensor with a lint-free cloth moistened with soapy water. Press the Sensor cover once.

ANSWER 2: Turn off the cooker's power from the fuse box for 15 seconds.

ANSWER 3: If the fault diagnosis switches off the cooker again, contact the retailer. If the cooker is still turned off due to the fault diagnosis, it can only be used for 5 minutes at a time by turning the power off for 15 seconds as described in answer 2 above (EN requirements).

4. Placing of Sensor in zones that do not necessarily match all EN standard requirements.

ANSWER: According to the EN standard, the Sensor should "see" the bottom of the kettle in order to measure the temperature. In these zones (see the table on pages 7 and 9), the Sensor cannot see the bottom of pots with high edges and may identify a hazardous situation somewhat more slowly, but is still safe to use.

5. During the function test, the Sensor does not emit a sound when the cover is pressed.

ANSWER: Make sure that the red battery disconnection piece is removed.

6. The test alarm cannot be reset.

ANSWER: First try the function test, see page 13. If this does not fix the problem, turn off the cooker's power from the fuse box for 15 seconds and repeat the function test. Wait for 5 seconds before resetting the alarm. If the alarm still cannot be reset, the Heat Sensor and Control Unit must be paired again, see page 19.

7. The Stove Guard did not give an alarm in a dangerous situation.

It is possible that the temperature was not high enough to be identified as a dangerous situation. The Heat Sensor should take different cooking situations into account, including high-temperature cooking, and should not give an alarm too easily. Therefore, the Stove Guard only emits an alarm when a certain temperature (or rate of temperature rise) is detected, but still long before a real risk situation. However, it is important to check the Stove Guard's function (see the next sections).

ANSWER 1: Make sure that the Sensor is correctly installed. See page 6 and after.

ANSWER 2: If the Sensor is properly installed, turn on a hotplate and perform a function test, see page 13. Make sure the Control Unit turns off the cooker. If the function test fails, contact the retailer.

ANSWER 3: When mounting lower than 90 cm above the cooker, it is possible to change the sensitivity of the Sensor, so it reacts earlier. Increase the sensitivity by one or two steps. See page 18.

8. I cancelled the pre-alarm by mistake, even though the alarm was triggered by a dangerous situation. Has the Sensor become too insensitive now?

ANSWER: Deactivating the pre-alarm changes the sensitivity, but only to a small extent. This can therefore be done a few times without the alarm becoming insensitive.

9. I cannot turn on the cooker and the Control Unit emits a ring tone almost continuously.

ANSWER: The cooker is locked due to several repeated alarms for the maximum temperature. Unlock by turning off the cooker's power from the fuse box for 15 seconds.

10. How to test the Stove Guard with an induction cooker?

ANSWER: You need an adapter plate that allows the use of all cookware on an induction cooker (available from many retailers). Place the adapter plate on a cooker and perform a heat test by turning on the plate. This test is not absolutely necessary, as potential problems are eventually solved by the Auto-diagnostics.

Note! The test is recommended when retrofitting the cooker and ceiling-mounted Sensor.

11. The Heat Sensor gives an alarm when I make coffee with an espresso pot.

The Heat Sensor gives an alarm when I make coffee with an espresso pot. Espresso pots are often much smaller than the hotplate, and the heat from the plate makes the Stove Guard think there is a dangerous situation.

ANSWER: Deactivate the alarm by pressing the Sensor cover. The sensitivity level of the Sensor will not change, as the espresso maker triggered an alarm for maximum temperature that is not self-learning.

12. What do I do if the Sensor or Control Unit must be replaced with a new one?

ANSWER: Contact the retailer for a new part. When replacing, pair the devices. See page 19.

13. Where can I find the Sensor model number?

ANSWER: On the underside of the Sensor there is a sticker with the model number.

3



TECHNICAL SPECIFICATIONS

OF THE STOVE GUARD

Intelligent Heat Sensor

Solar cells

Signal LED

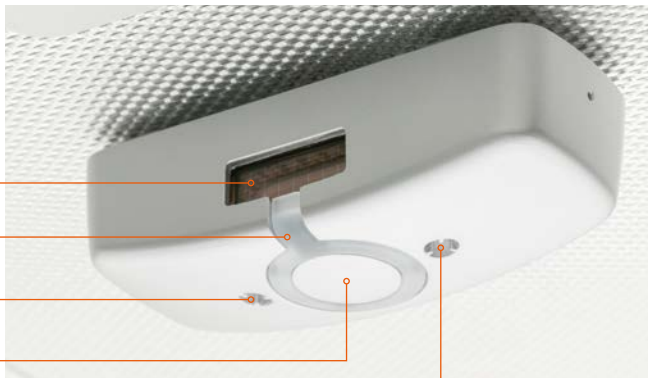
Temperature Sensor

Cover

The entire cover is a button that can be pressed in. The signal light turns green when pressed.

IR lens

Note! For high installations, replace IR lens with black tube IR lens (included in the package).



- Alarm signal 80 dB(A) @ 1m / Silent alarm
- Extremely low energy use (approx. 1 W)
- Sparkless electric switch
- RF 433 MHz
- Factory paired
- Voltage 230-400 VAC
- Halogen free and fire rated plastic, flammability rating V-0 (Intelligent Heat Sensor).
- Patented FI117526, FI117878, FI125053, patent pending.
- Fulfils EN 50615 Stove Guard standard requirements (VTT Expert Services)

Warranty

In addition to the statutory warranty from the retailer, this product has a 5-year manufacturer's warranty covering defects in materials or execution.

The warranty applies from the date of purchase. This warranty does not affect your legal rights. The warranty covers the use of the product under normal circumstances in private households and housing associations. The warranty is limited to replacement or repair of defective components. The warranty includes batteries for regular household use.

The warranty applies only when the product is used according to the instructions. It does not cover damage caused by misuse, improper handling, use of force, batteries, dust, dirt, water or other environmental factors.

If you have a warranty claim, contact your retailer for instructions. We only accept authorized returns with a complete description of the defect. After the warranty period, you will be charged for repairs and it may not always be possible to have the product repaired.

Warranty claims do not extend the original warranty period, and the warranty on spare parts expires at the same time as the product warranty. Unless otherwise provided by law, the manufacturer shall not be liable for additional claims, including for personal or material damage arising from the use of the product or its deficient function or malfunctioning.

Disposal

Information about disposal of electrical and electronic waste (private households).
EU Directive 2012/19/EC on recycling of waste electrical and electronic equipment (WEEE)

This symbol on the Stove Guard and associated documents means that this product should not be disposed of with normal household waste. For proper handling and recycling, this product must be delivered to a separate collection point where it will be accepted free of charge. The product can be returned to your local retailer when purchasing a corresponding new product.

Proper disposal of this product helps to save valuable resources and prevent potentially harmful effects on human health and on the environment, which may otherwise occur in the event of improper handling of waste.



EU Declaration of Conformity

As the product's manufacturer, we declare under our sole responsibility, that this product corresponds to:

- Radio Equipment Directive (RED) 2014/53/EU
- The Low Voltage Directive 2014/35/EU
- The EMC Directive 2014/30/EU
- The RoHS Directive on the Use of Hazardous Substances 2011/65/EU

... and the following harmonized standards and technical data are used:

- Fire prevention devices for hobs EN 50615:2015 (Cat. B)*
- EN 60730-1:2011
- Device Requirements EN 60335-2-31:2014, paragraph 30
- Electromagnetic Compatibility and Radio Spectrum Matters (ERM) EN 300 220-1 V3.1.1, EN 300 220-2 V3.1.1
- Electromagnetic Compatibility (EMC) EN 301 489-1 V2.1.1 and EN 301 489-3 V2.1.1
- RoHS EN 50581:2012

* EN 50615: 2015 European standard for stove guards, approved 05.01.2015, available 06.03.2015.

The full title of the standard: Household and similar electrical appliances.
Safety. Particular requirements for devices for fire prevention and suppression for electric hobs (cooktops).

Tested by an independent, accredited testing laboratory (VTT Expert Services Finland).

This device is independently tested and categorised as Category 2 Receiver. Reference: ETSI EN 300 200-2 V3.1.1. Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non-specific radio equipment. Subclause 4.4.2 Blocking.

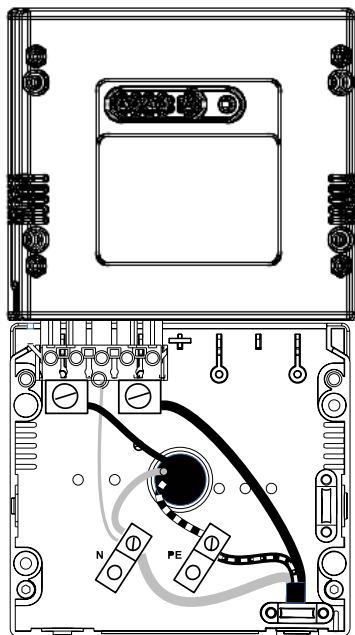
Signed for and on behalf of Innohome Oy:



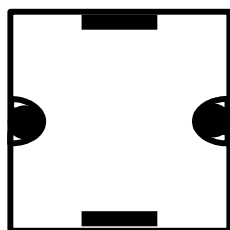
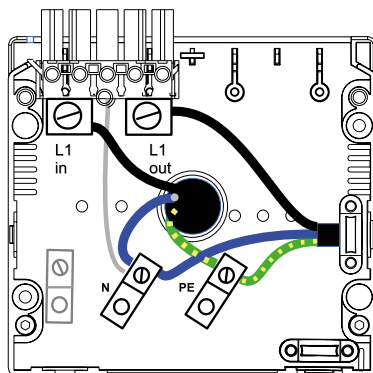
CTO Matti Myllymäki

COOKER CONNECTION

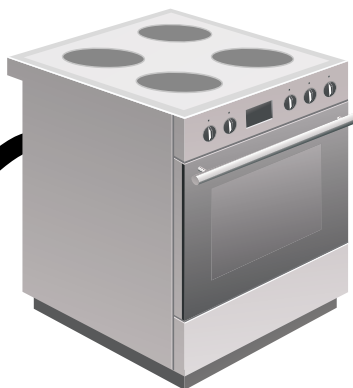
SGC510-2



SGI510-2JF



Wall outlet



The Stove Guards maximum supply current allowed is 32A and the appropriate diversity factor is 100%. The diversity factor applies to Stove Guard installations with parallel connected relays. Type 1, or equivalent circuit breaker (MCB) shall be used for protecting the Stove Guard supply. The circuit breaker shall have capability of interrupting the supply current within 100 ms at 4 x load.

Design & Technology by



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 Sprue Safety Products Ltd, Vanguard Centre, Coventry CV4 7EZ
 For more information on FireAngel Stove Guard contact
 Technical Support 0800 171 2009 or visit www.fireangel.co.uk.

