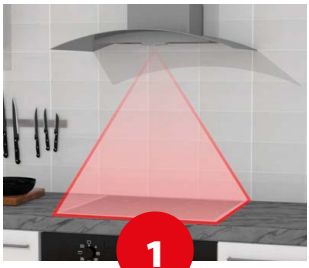
INNOHOME STOVE GUARD

SGK4030

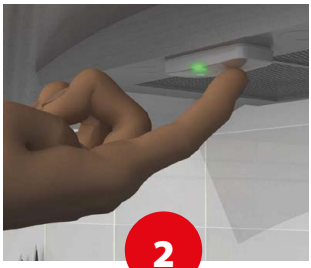
770-00041-A2

REFERENCE AND INSTALLATION MANUAL



1

INSTALLATION P. 4–13



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For indoor use only.
Do not use in a professional kitchen.
The Control Unit must be installed by an authorised electrician.

inno home

Thank you for choosing Innohome Stove Guard!

Innohome Stove Guard is a safety product for domestic kitchens. The Stove Guard consists of a state-of-the-art Heat Sensor that monitors the cooker from the top, and a Control Unit that cuts the power if a dangerous situation occurs. The Control Unit is installed behind the cooker or inside the kitchen cabinet next to the cooker. Ensure to read this manual prior to commencing installation.

SALES PACKAGE CONTENTS:

- Heat Sensor SGS1030
- Battery (CR2032)
- IR lens extension
- Control Unit SGC430-1U3-50
- Main manual
- Cupboard sticker

Safety rules

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

Never leave the cooker unattended. Always check compliance with local regulations.

- For indoor use only.
- Do not use in a professional kitchen.
- Do not hold the Heat Sensor close to the ear. It can cause hearing damage when in alarm or test mode.
- 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 Heat 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 will not completely isolate the cooker. It must never be used to turn off the cooker's power supply for service/repair.
- Do not short-circuit, charge, open or heat the batteries. There is a risk of explosion.

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

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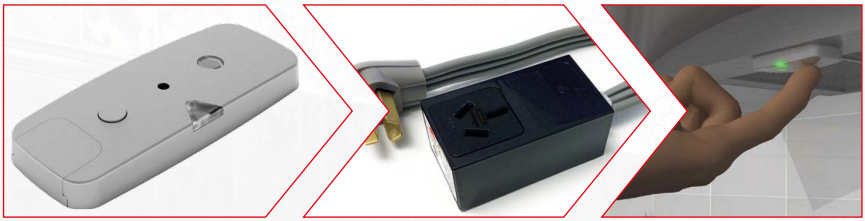
1 INSTALLATION

Installing the Stove Guard

To install correctly, follow the instructions.



STEP 1:

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INSTALLATION OF THE HEAT SENSOR

The recommended place to install the Heat Sensor is directly above the centre of the cooker, under the cooker hood. The Heat Sensor can also be mounted on a wall with a mounting bracket or on the ceiling. Follow these instructions for correct installation.

INSTALLATION LOCATIONS

RECOMMENDED

1a Installation under cooker hood

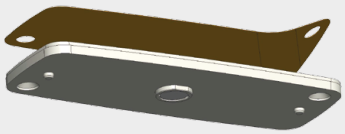
OPTIONAL

1b Wall mounting

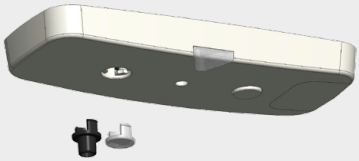
Mounting bracket SAI1000-FBS required for wall installations - available separately.

1c Ceiling mounting

For ceiling installations, the supplied IR lens extension must also be fitted. See page 10.



Installation plate with adhesive tape



Heat Sensor

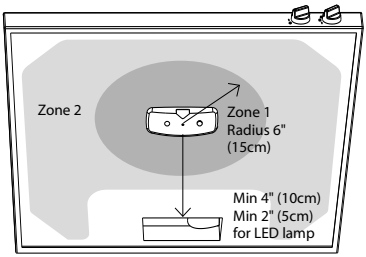
Optional IR lens extension (black)

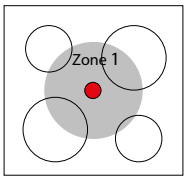
1a COOKER HOOD

Select the mounting location

Measure the installation height. The Heat Sensor should be centred above the cooker, preferably within Zone 1 (see the diagram below). It can be attached to the grease filter. It is important to ensure the minimum distance from the light underneath the hood is 4" (10cm) (2" (5cm) is enough for LED lamp).

Zone 1 is recommended for best performance.





Zone 1 is immediately above the middle of the cooker plates. Max 6" (15cm) from the centre.

Mount the Heat Sensor

The Heat Sensor might beep at this stage indicating that it is not properly placed on the installation plate. As this happens, no further action is required.

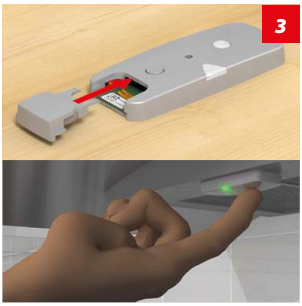
If there is a metal mesh grease filter on the cooker hood, make sure it is greaseless and dry. Press at least for a minute from the opposite side while attaching adhesive.

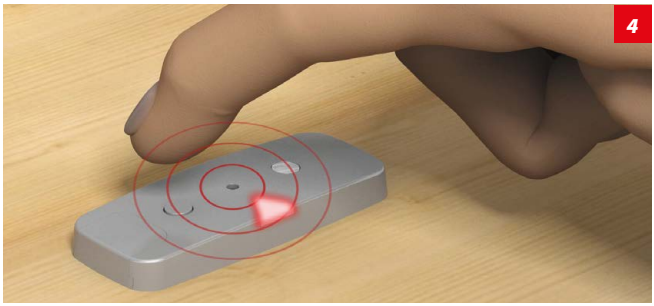
Carefully remove the protective film from the installation plate. Attach the Heat Sensor with the LED facing the user.

Attach the installation plate while the Heat Sensor is on it.

INSTALLATION UNDER COOKER HOOD

Allow the Heat Sensor to reach room temperature before use. The power to the cooker must be switched off (at the consumer unit). See the table below for the mounting location and follow instructions 1–4.





Starting the Heat Sensor

Insert the battery and place the Heat Sensor on the installation plate.

Press the button shortly. (LED flashes green).

Watch the film:
https://vimeo.com/321502592
Sensor installation

Check installation height

If the distance from cooker to Heat Sensor is more than 24" (60cm), the Heat Sensor's sensitivity level must be adjusted manually.

Please refer to the table underneath together with the information on page 18, alternatively watch the film on sensitivity configuration.

Watch the film:
https://vimeo.com/321503955
Setting sensitivity

DISTANCE FROM COOKER TO HEAT SENSOR	MOUNTING LOCATION		SENSITIVITY LEVEL CONFIGURATION	
	0"–24" (0–60cm) wide cooker	25"–36" (61–90cm) wide cooker	Sensitivity	Acknowledgement "beep(s)"
33"–40" (81–100cm)	Zone 1 & Zone 2	Zone 1	3 presses	●●●
31"–32" (76–80cm)	Zone 1	Zone 1*	4 presses	●●●●
29"–30" (71–75cm)			5 presses	●●●●●
27"–28" (65–70cm)	Zone 2*		6 presses	●●●●●●
25"–26" (61–64cm)			7 presses	●●●●●●●
18"–24" (45–60cm) Factory setting			8 presses	●●●●●●●●

*The installation may not in all cases meet all EN standard requirements. See FAQ, page 22, point 4

Please note: the sensitivity level of the Heat Sensor is confirmed by the appropriate sound pattern sequence only and not the LED flashes.

Select the required location and mount the bracket

Wall mounting requires a bracket (SAI1000-FBS), sold separately. The bracket is fastened on the wall using adhesive tape or screws.

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

Mounting height on the wall above the cooker
Max 36" (90cm) wide cooker.

Recommended: 32" (80cm)
Alternatively: 26"–31" * (65–79cm)

See mounting instructions provided separately with the bracket.

* For wall mounting with a distance less than 32" (80cm) between the Heat Sensor and the cooker, the installation will not in all cases meet all EN standard requirements.

Mount the Heat Sensor

The Heat Sensor might beep at this stage indicating that it is not properly placed on the installation plate. As this happens, no further action is required.

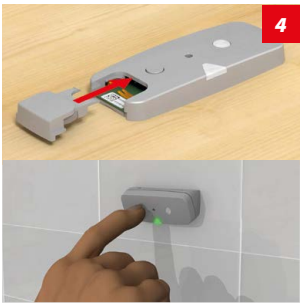
Press at least for a minute while attaching adhesive.

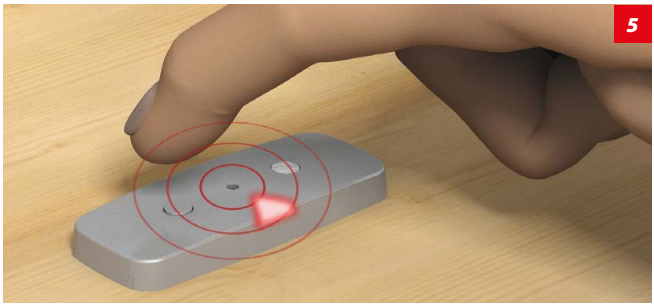
Carefully remove the protective film from the installation plate. Attach the Heat Sensor with the LED facing the user.

Attach the installation plate while the Heat Sensor is on it.

WALL MOUNTING WITH BRACKET

Allow the Heat Sensor to reach room temperature before use. The power to the cooker must be switched off (at the consumer unit). See the table below for the mounting location and follow instructions 1–5.





Starting the Heat Sensor

Insert the battery and place the Heat Sensor on the installation plate.

Press the button shortly.
(LED flashes green).

Watch the film:
https://vimeo.com/321502592
Sensor installation

Set the sensitivity level

Set the Heat Sensor's sensitivity level according to the mounting height (as described in the table) by evenly pressing the Sensor's button. Please refer to the table underneath together with the information on page 18, alternatively watch the film on sensitivity configuration.

Watch the film:
https://vimeo.com/321503955
Setting sensitivity

DISTANCE FROM COOKER TO HEAT SENSOR	SENSITIVITY LEVEL CONFIGURATION	
	Sensitivity	**Acknowledgement "beep(s)"**
28"–32" (70–80cm) *	3 presses	●●●
26"–27" (65–69cm) *	4 presses	●●●●

* 32" (60cm) recommended. For wall mounting with a distance less than 32" (60cm) between the Heat Sensor and the cooker, the installation will not in all cases meet all EN standard requirements.

Please note: the sensitivity level of the Sensor is confirmed by the appropriate sound pattern sequence only and not the LED flashes.

1c

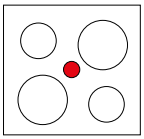
CEILING

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 directly upwards at an angle of 90°. If the extension moves around, check that it has been inserted the right way round.

Finding the mounting position

Measure the distance between the cooker and ceiling. Place the Heat Sensor directly above the center point of the cooker. Make sure that the surface is clean and dry.



Mount the Heat Sensor

The Heat Sensor might beep at this stage indicating that it is not properly placed on the installation plate. As this happens, no further action is required.

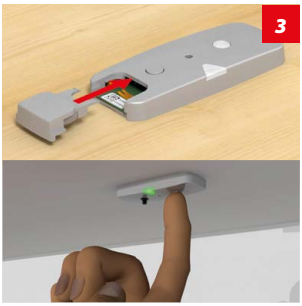
Make sure that ceiling is greaseless and dry. Press at least for a minute while attaching adhesive.

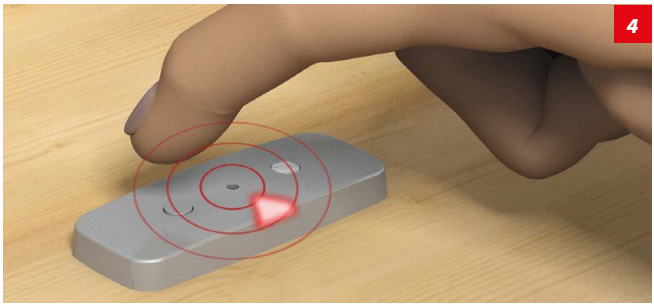
Carefully remove the protective film from the installation plate. Attach the Heat Sensor with the LED facing the user.

Attach the installation plate while the Heat Sensor is on it.

CEILING MOUNTING WITH IR LENS EXTENSION

Allow the Heat Sensor to reach room temperature before use. The power to the cooker must be switched off (at the consumer unit). See the table below for the mounting location and follow instructions 1–5.





Starting the Sensor

Insert the battery and place the Heat Sensor on the installation plate. Press the button shortly. (LED flashes green).

Watch the film:
https://vimeo.com/321502592
Sensor installation

Set sensitivity level

Set the sensitivity level according to the mounting height (as described in the table) by evenly pressing the Sensor's button. The Heat Sensor's sensitivity level must be always adjusted when installing it to the ceiling. Please refer to the table underneath together with the information on page 18, alternatively watch the film on sensitivity configuration).

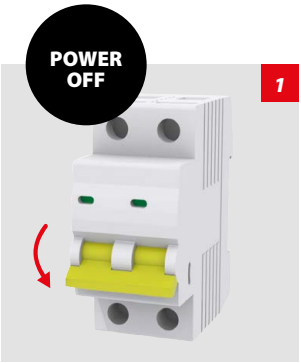
Watch the film:
https://vimeo.com/321503955
Setting sensitivity

DISTANCE FROM COOKER TO HEAT SENSOR		SENSITIVITY LEVEL CONFIGURATION	
Mounting height above the cooker	**0–36" (0–90cm) wide cooker**	**Sensitivity**	**Number of "beep(s)"**
64"–80" (160–200cm)	Recommended: Immediately above the middle of the cooker. Alternatively: Farther out into the room with bracket. See the bracket package for mounting instructions.	1 press	•
Mounting height above the cooker	**0–36" (0–90cm) wide cooker**		
56"–63" (140–159cm)	Recommended: Immediately above the middle of the cooker. Alternatively: Farther out into the room with bracket. See the bracket package for mounting instructions.	2 presses	••

Please note: the sensitivity level of the Sensor is confirmed by the appropriate sound pattern sequence only and not the LED flashes.

CONTROL UNIT

It is a statutory requirement that the Control Unit is installed by an authorized electrician. The power to the cooker must be disconnected throughout the entire installation.



Disconnect the power

Switch off the power at the consumer unit.

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

Connect to the Control Unit

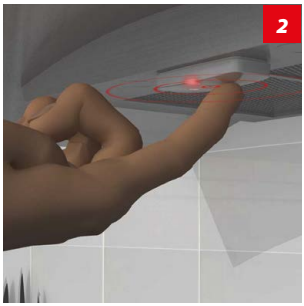
- Unplug the cooker.
- Connect the cooker to the Control Unit.
- Plug the input cord of the Control Unit to the cooker wall outlet.

FUNCTION TEST

The installation is completed when the test has been passed.
The Heat Sensor will then give an alarm. This user manual, accessories and stickers should be left with the product for future reference.

Return the power

Switch on the power at the consumer unit.



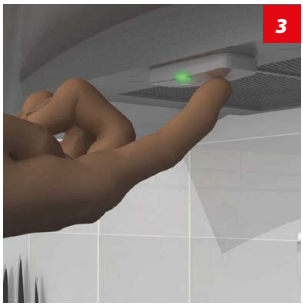
Perform function test

Wait 30 seconds after switching on the power. Press and hold the button until the Heat Sensor emits a "beep" (●) and the red LED flashes. Release the hold.

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

Note! Check that there is no power going to the cooker.

Watch the film:
https://vimeo.com/321504308
Test alarm



Reset the alarm

It is important to reset the alarm after a function test to ensure power to the cooker. Reset the test alarm by pressing the button once.

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

If the Heat Sensor does not respond or if the test alarm cannot be reset, see page 20, points 5 and 6.

Installation is now ready.
When connecting the Stove Guard for the first time it is advisable to wait 15 minutes before normal cooker use to allow the Stove Guard to perform final system checks.

2

USER GUIDE

GETTING STARTED

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

The Heat Sensor may start making short "beeps" every five seconds while it is being used ("pre-alarm").

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

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

Please note:

When installing the Heat Sensor on the ceiling, the learning function will not be operational. The Heat Sensor will automatically sound and switch the cooker off in the event of an increased heat condition.

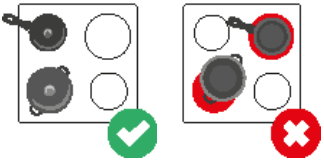
The Heat Sensor learns and adjusts, when the user resets the pre-alarm. See FAQ page 21, point 14.

In order to reset the system, turn all controls off. The Stove Guard will automatically reset itself after the heat condition has cleared and the cooker cooled.

READ BEFORE

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 controls must also be turned off once the power supply to the cooker or hob has been switched off by the alarm.

After alarm

Mechanical controls
If the Stove Guard has turned the cooker off, first turn all cooker controls to '0', then press the Heat Sensor button once. After this, the cooker can be used normally. With ceiling installation, reset button is needed to return the power.

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

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

Dislocation alarm

Removing the Heat Sensor from the installation plate cuts off the power to the cooker. Returning the Sensor back to the installation plate returns the power to the cooker. Press the Heat Sensor button once.

Action in the event of an alarm

The cooker will automatically be ready for use after the Stove Guard has detected that the hazardous situation is over, and all the controls are set to "0". See the alarm overview below for actions.

SOUND	MEANING	MEASURES
Heat Sensor 4 "beeps" with a 1-second interval. ● ● ● ●	**Dislocation Alarm** The Heat Sensor is removed from the installation plate.	Return the Heat Sensor to the installation plate with the LED facing the user.
Heat Sensor Short "beeps" with 5-second intervals. ● ● ● ● ● …	**Pre-Alarm** The Heat Sensor sounds an alert to danger before disconnecting the cooker.	If the alarm was triggered during normal cooking: press the Heat Sensor button 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.	Make sure that the controls are set to "0". Press the Heat Sensor button once to return the power to 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 controls are set to "0". Wait until the cooker has cooled down after it has been disconnected then press the Heat Sensor button once to return the power. If the cooker cannot be switched back on, see FAQ, question 9, page 21.
Control Unit Continuous "rings". ∿∿∿∿∿∿∿∿∿∿∿∿∿∿	**No power** The cooker is too hot for the power to be turned back on.	Make sure that the controls are set to "0". Wait until the cooker has cooled down and the Control Unit starts emitting a short "ring" with 5-second intervals as described in the section above, or press the Heat Sensor button once to reconnect the cooker. If the alarm does not stop, follow the instructions on page 21, 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 controls are set to "0". Wait until the cooker has cooled down after it has been disconnected then press the Heat Sensor button once to return the power. If the cooker cannot be switched back on, see FAQ, question 3, page 20.
Heat Sensor One "beep" per minute. ● ● ● Or **Control Unit** One "ring" per minute. ∿∿ ∿∿ ∿∿	**Battery Alarm** The Heat Sensor has a low battery.	The Heat Sensor battery is low and needs to be replaced. Pressing the button once at this time delays the alarm for at least 12 hours.

OTHER SETTINGS

Change the sensitivity level

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

1. Remove the Sensor from the installation plate
The Heat Sensor emits 4 "beeps" (●●●●). The cooker is turned off.

2. Adjust the sensitivity level
See pages 7–11 for sensivitity levels to be applied.

Place the Heat Sensor on the table (as shown in the picture). Press and hold in the button until 2 "beeps" (●●) are heard. Release the hold. The correct sensitivity can now be applied.

Note: When selecting the correct sensitivity level it is important the process is not rushed. Ensure the sensor button is pressed firmly down each time, holding for a period of 1 second before releasing.

Ensure to pause for 1 second between each press.

3. Confirmation of setting
After 5–15 seconds, the Heat Sensor will confirm the sensitivity setting with the same number of "beeps". In case of error, start from step 2 again. Please note that the sensitivity level is confirmed by the appropriate number of "beeps" only and not the LED flashes.

4. Activate the Sensor
Return the Heat Sensor correctly onto the installation plate. Press the button once.

Watch the film:
https://vimeo.com/321503955
Setting sensitivity

Checking the sensitivity level

1. Remove the Sensor from the installation plate. (The Sensor gives 4 "beeps" (●●●●) and the cooker is switched off.)

2. Press and hold the button (approx. 10 sec.) until 2 "beeps" (●●) are heard.

3. An 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 4, the sensor would give "beeps": 4 - 4 - 5 - 4.

Watch the film:
https://vimeo.com/321504101
Checking sensitivity

Reset the Heat Sensor to factory settings

Remove the Sensor from the installation plate. (The Sensor gives 4 "beeps" (●●●●) power is cut off to the cooker).

1. Remove the battery lid.

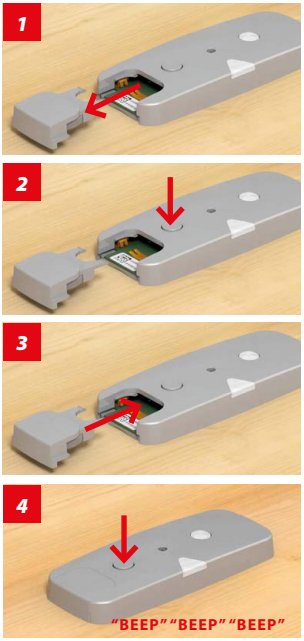
2. Press the button once.

3. Return the battery lid. The Heat Sensor shall make a "beep".

4. Press and hold the button until the three "beeps" are heard. Release.

If three "beeps" cannot be heard, something went wrong. Repeat from Step 1. Return the Heat Sensor to its installation plate and press the button once.

Watch the film:
https://vimeo.com/321504446
Factory settings



Pairing devices

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

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

1. Switch off the power for 15 seconds and switch it back on.
2. Within one minute from the power reset, sweep the side of Control Unit with the bottom magnet of the mounting plate so that the Control Unit makes a buzzing sound. The Control Unit is now ready to be paired.
3. Press and hold the button of the NEW Heat Sensor until it emits a "beep" and a red LED flashes. The Control Unit makes now a buzzing sound.
4. After 5 seconds, the Heat Sensor gives an alarm (first one "beep" and after a while continuous beeping). The Control Unit and the Heat Sensor are now successfully paired.
5. Reset the test alarm by pressing shortly the Heat Sensor button. Check that the cooker can be turned on. If the Heat Sensor does not respond or if the test alarm cannot be reset, first repeatthe pairing procedure and then see FAQ, page 22, points 5 and 6.

FREQUENTLY ASKED QUESTIONS

1. I cannot turn on the cooker, and there is no signal from the Control Unit.
ANSWER 1: The Heat Sensor has been removed or placed incorrectly on the installation plate. The Heat Sensor shall be positioned parallel to the installation plate and it is recommended to have LED facing to the user.
ANSWER 2: If the Heat Sensor is correctly positioned on the installation 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 consumer unit). 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: As the Heat Sensor is positioned lower than 36" (90cm) above the cooker, it has a learning function (see page 15). Pressing the Heat Sensor button 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 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 less sensitive manually, for example from level 4 to level 5. See page 18.

3. The Auto-diagnostics alarm was not reset by pressing the Heat Sensor button once.
ANSWER 1: The Auto-diagnostics alarm (Control Unit emits one short and one long "ring" every ten seconds) may be triggered if the Heat Sensor is not on the installation plate, if it is positioned incorrectly, or if it is covered by dirt or grease. It can also be triggered by a problem with the radio connection or malfunction of the Control Unit.
ANSWER 2: Make sure that the Heat Sensor is firmly attached to the installation plate and that it is positioned correctly. The LED shall be facing the user (see page 5). Clean the Heat Sensor with a lint-free cloth moistened with soapy water. Press the Heat Sensor button once.
ANSWER 3: Turn off the cooker's power from the consumer unit for 15 seconds.
ANSWER 4: 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 the Heat Sensor in zones that do not necessarily match all EN standard requirements.
ANSWER: According to the EN standard, the Heat Sensor should "see" the base of the pot in order to measure the temperature. In these zones (see the tables on pages 7,9 and 11), the Heat 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 Heat Sensor does not emit a sound when the button is pressed.
ANSWER: Make sure that the battery has power and is inserted properly, "plus-side" up.

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 at the consumer unit for 15 seconds and repeat the function test. Wait for 5 seconds before resetting the alarm.

7. The Stove Guard did not give an alarm in a dangerous situation.
ANSWER 1: It is possible that the temperature was not high enough to be identified as a dangerous situation. The Heat Sensor takes 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 2: Make sure that the Heat Sensor is correctly installed. See page 5 and after.

ANSWER 3: If the Heat 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 4: When mounting lower than 36" (90cm) above the cooker, it is possible to change the sensitivity of the Heat 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 Heat Sensor become too insensitive now?

ANSWER: Deactivating the pre-alarm changes the sensitivity, but only to a small extent. This can therefore be carried out 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 at the consumer unit for 15 seconds and wait until the ring tone turns to slower pace.

10. How do you test 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) or an induction suitable cooking vessel. 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 Heat Sensor.

11. 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.
Use suitable size cooking vessels

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

12. What do I do if the Heat Sensor or the 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 Heat Sensor model number?

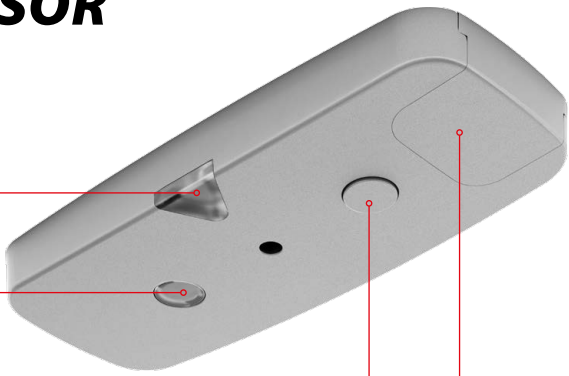
ANSWER: On the underside of the Heat Sensor there is a sticker with the model number.

14. Why does the learning sensitivity function not work when I install the Heat Sensor on the ceiling?

ANSWER: The Heat Sensor "learns" based on the frequency of manually reset pre-alarms.
The Heat Sensor's ability to automatically return the power to the cooker after an event enables the user to not have to reset the alarm manually (by using an additional reset button or reaching to the ceiling to press the button of the Heat Sensor). The Heat Sensor will not learn and adjust its sensitivity level because there are no manual reset requirements for pre-alarms when on the ceiling.

3 TECHNICAL SPECIFICATIONS

THE HEAT SENSOR



Signal LED
should face towards use

IR lens
(Lens extension for
high installations)

Button

Battery lid
(Battery 1 x CR2032)

THE CONTROL UNIT

- Voltage 250 VAC
- Extremely low energy use (approx. 1 W)
- Automatic electrical switch

SGC430-1U3-50

Warranty

This product has a 2 year manufacturer's warranty that covers defects in material or workmanship, starting from the date of purchase. This warranty does not affect your
legal rights. The warranty covers use of the product in normal conditions in private households and shared housing. The warranty is limited to the replacement or repair of faulty components.

The warranty applies only when the product is used according to instructions. It does not cover damage arising from misuse, improper handling, while in transit, application of force, dust, dirt, water or other environmental factors, defects due to causes beyond control such as lightning, abnormal voltage, acts of God, or from batteries.

In case of a warranty claim, please contact the vendor for instructions. Only authorised returns with a full description of the fault are accepted. After the warranty period, repairs may be charged and are not always possible.

Warranty claims do not extend the original warranty period and the warranty of the replacement parts expires with the warranty of the product. Unless there is a statutory obligation, the manufacturer is not responsible for further claims, including personal or material damages, arising from the use of the product or from non-functioning or mis-functioning of the product.

Disposal

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

Applied standards

FCC Rule Part: 15.231:2017 (Periodic operation in the band 40.66-40.70 MHz and above 70 MHz)

IC Rule Part: RSS-210 Issue 9, 2017 and RSS-GEN Issue 5, 2018

UL 60730-1 AUTOMATIC ELECTRICAL CONTROLS FOR HOUSEHOLD AND SIMILAR USE
- PART 1: GENERAL REQUIREMENTS
- Edition 5 - Revision Date 2016/08/03

UL 60730-2-9 STANDARD FOR AUTOMATIC ELECTRICAL CONTROLS FOR HOUSEHOLD AND SIMILAR USE - PART 2-9: PARTICULAR REQUIREMENTS FOR TEMPERATURE SENSING CONTROLS - Edition 4 - Revision Date 2017/02/14

CAN/CSA E60730-1:15 AUTOMATIC ELECTRICAL CONTROLS FOR HOUSEHOLD AND SIMILAR USE - PART 1: GENERAL REQUIREMENTS
- Edition 5 - Issue Date 2015/12/01

CAN/CSA E60730-2-9:15 AUTOMATIC ELECTRICAL CONTROLS FOR HOUSEHOLD AND SIMILAR USE - PART 2-9: PARTICULAR REQUIREMENTS FOR TEMPERATURE SENSING CONTROLS - Edition 3 - Issue Date 2015/09/01

Regulatory notice for FCC and ISED/ISDE

US: This device complies with Part 15, Subpart C 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.
The user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
To comply with FCC RF exposure compliance requirements, a separation distance of at least 8" (20cm) must be maintained between the antenna of this device and all persons.

CAN: This product complies with Innovation, Science and Economic Development Canada (ISED) license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) product may not cause harmful interference, and (2) product must accept any interference received, including interference that may cause undesired operation. To comply with RSS-102 RF exposure compliance requirements, a separation distance of at least 8" (20cm) must be maintained between the antenna of this device and all persons.
This digital apparatus does not exceed the Class B limits for radio-noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

CAN: Ce dispositif est conforme à la norme CNR d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.
Ce produit a été testé et s'est avéré conforme aux limites d'exposition aux rayonnements établies par la FCC et ISDE pour un environnement non contrôlé. Il respecte également les lignes directrices de la FCC en matière d'exposition aux radiofréquences ainsi que la norme CNR-102 des règles d'ISDE relatives à l'exposition aux radiofréquences. Maintenir au moins 20cm à distance pour la condition physique-garde.
Cet appareil numérique ne dépasse pas les limites de la classe B pour les émissions radio bruit des appareils numériques, tel qu'énoncé dans le Règlement sur le brouillage radioélectrique du ministère des Communications du Canada.

Stove Guard components

Control Unit SGC430-1U3-50
- SGC430-1U3-50: NEMA 10-50P/R, 50 A, 250 V~ X, Y, W

Intelligent Heat Sensor SGS1030 (silver), SGS1031 (white), SGS1032 (black)
- Wireless 315 MHz/10mW RF

Features

- Range electricity supply cut-off in hazardous temperatures (self-learning maximum temperature and rate of temperature increase)
- Sensor Dislocation Alarm
- Fault diagnosis
- Emergency use in a fault situation
- Adjustable sensitivity levels (learning)
- Pre-alarm signal prior to cutting the power
- Manual alarm reset
- Audible alarm signal min. 65 dB(A), max. 80 dB(A) @ 40" (100cm)
- Sensing distance (from the range top) 18"–40" (45–100cm) hood installation, 56"–80" (140–200cm) ceiling installation, 32" (80cm) wall installation (recommended)

Technical specifications

- Maximum rated current (A): **50 A**
- Rated voltage or rated voltage range in volts: **250 V for SGC430-1U3-50**
- Nature of supply: **AC**
- Purpose of control: **Operating control**
- Construction of control: **Independently mounted control**
- The type of load controlled by each circuit: **Resistive**
- Degree of protection by enclosure: **Open type**
- Operating ambient temperature: **32 °F to 95 °F (0 °C to 40 °C)**
- Classification of control according to protection against electric shock: **Class I equipment**
- Number of automatic cycles (A) for each automatic action: **100 000 cycles**
- Method of mounting controls: **Surface mounting**
- Method of attachment for non-detachable cords: **Type Y**
- Intended transportation condition of control: **14 °F to 131 °F (-10 °C to 55 °C)**
- Additional features of Type 1 or Type 2 actions: **Type 1.B**
- Control pollution degree: **2**
- Rated impulse voltage: **2500 V**

U.S. Pat. Nos 10,051,993 and 10,347,112

INNOHOME OY
Itsehallintokuja 4
Polaris Business Park,
Castor House
FI-02600 Espoo, Finland
www.innohome.com