INNOHOME
STOVE GUARD
SGK4030

REFERENCE AND
INSTALLATION
MANUAL

1

INSTALLATION
P. 4–13

2

USER GUIDE
P. 14–21

3

TECHNICAL SPECIFICATIONS
P. 22–24

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 range from the top, and a Control Unit that cuts the power if a dangerous situation occurs. The Control Unit is installed behind the range. Ensure to read this manual prior to starting installation.

SALES PACKAGE CONTENTS:

- Control Unit **SGC430-U4-35** or **SGC430-1U3-50**
- Heat Sensor **SGS1030**
- Adjustable Mounting Bracket SAI500-ABS
- Battery (watch type)
- Control Unit Installation Guide
- Adjustable Mounting Bracket Installation Guide

SGC430-U4-35

SGC430-1U3-50

SGS1030

Safety rules

Stove Guard does not prevent all potentially dangerous situations, but it makes the use of the range significantly safer. Never leave the range 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.
- This device may not be suitable for fires originating from flammable materials left in proximity of the hob or on the hob.

- Do not immerse the Heat Sensor in water.
- The Stove Guard will not emit an alarm if the temperature of the range is too low to identify a dangerous situation, or if the range has an automatic limitation of temperature increase.
- The Stove Guard will not completely isolate the range. It must never be used to turn off the range'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
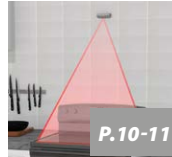
CONTENTS

1 *INSTALLATION*

Installing the Stove Guard

To install correctly, follow the instructions.

STEP 1:
Installation of
the Heat Sensor
p. 5-11

STEP 2:
Installation of
the Control Unit
p. 12

STEP 3:
Function Test

p. 13

INSTALLATION OF THE HEAT SENSOR

The recommended place to install the Heat Sensor is directly above the center of the burner surface, under the microwave or the range hood. The Heat Sensor can also be mounted on a wall with a mounting bracket.

INSTALLATION LOCATIONS

1a Over-the-range microwave
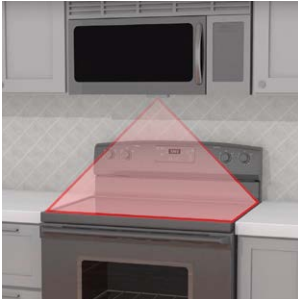
1b Range hood

1c Wall

Adjustable Mounting Bracket must be used for wall installations

Mounting Plate with adhesive tape

Heat Sensor

OVER-THE-RANGE MICROWAVE

Select the mounting location

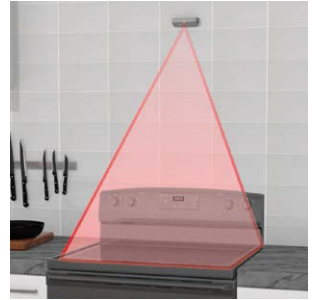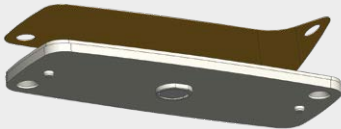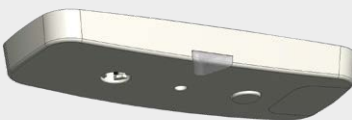Measure the installation height. The Heat Sensor should be centered above the range). It can be attached to the grease filter. It is important to ensure the minimum distance from the light underneath the hood is 4" (10 cm) (2" (5 cm) is enough for LED lamp).

Zone 1 is recommended for best performance.

Zone 1 - Radius 6" (15 cm)

Zone 2

Min 4" (10 cm)
Min 2" (5 cm)
for LED lamp
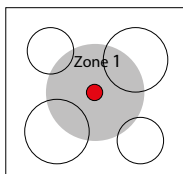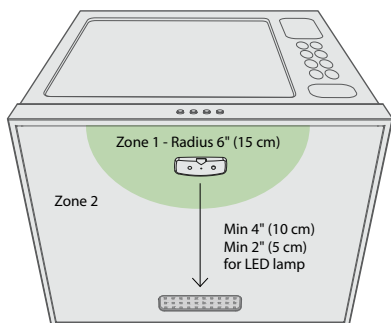
Zone 1

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

Mount the Heat Sensor

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

If there is a metal mesh grease filter in place, 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 Mounting Plate. Attach the Heat Sensor with the LED facing the user.

Attach the Mounting Plate while the Heat Sensor is on it.

INSTALLATION UNDER MICROWAVE

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

3

4

Starting the Heat Sensor
Insert the battery (see page 22) and place the Heat Sensor on the Mounting Plate. Press the button shortly. (LED flashes green).

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

Check installation height
If the distance from range to Heat Sensor is more than 24" (60 cm), 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 movie:
https://vimeo.com/321503955
Setting sensitivity

DISTANCE FROM RANGE TO HEAT SENSOR	RANGE SIZE				SENSITIVITY LEVEL CONFIGURATION	
	0"–24" (0–60cm)		25"–36" (61–90cm)		Sensitivity	Acknowledgement "beep(s)"
	Zone 1	Zone 2	Zone 1	Zone 2		
24" (60 cm) Factory setting	OK	OK	OK	OK*	8 presses	●●●●●●●●
22–23" (55–59 cm) Factory setting	OK	OK	OK*	OK*	8 presses	●●●●●●●●
18–21" (45–54 cm) Factory setting	OK	OK*	OK*	OK*	8 presses	●●●●●●●●

OK = The installation complies with EN 50615 Cat. B standard test plan
OK* = The installation may not in all cases meet all EN standard requirements.

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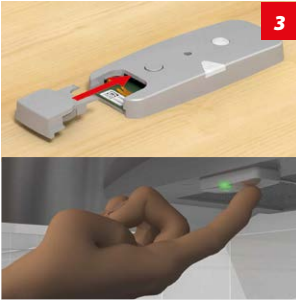
Select the mounting location

Measure the installation height. The Heat Sensor should be centered above the range, 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" (10 cm) (distance of 2" (5 cm) is enough for LED lamp).

Zone 1 is recommended for best performance.

Zone 2

Zone 1
Radius 6"
(15 cm)

Min 4" (10 cm)
Min 2" (5 cm)
for LED lamp
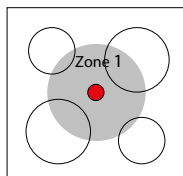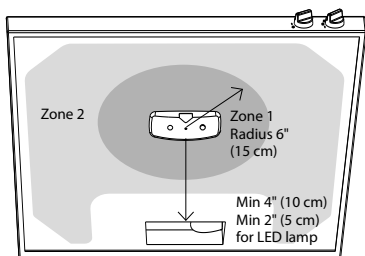
Zone 1

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

Mount the Heat Sensor

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

If there is a metal mesh grease filter on the range 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 Mounting Plate. Attach the Heat Sensor with the LED facing the user.

Attach the Mounting Plate while the Heat Sensor is on it.

INSTALLATION UNDER RANGE HOOD

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

3

Starting the Heat Sensor
Insert the battery (see page 22) and place the Heat Sensor on the Mounting Plate. Press the button shortly. (LED flashes green).

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

4

Check installation height
If the distance from range to Heat Sensor is more than 24" (60 cm), 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 movie:
https://vimeo.com/321503955
Setting sensitivity

DISTANCE FROM RANGE TO HEAT SENSOR	RANGE SIZE				SENSITIVITY LEVEL CONFIGURATION	
	0"–24" (0–60cm)		25"–36" (61–90cm)		Sensitivity	Acknowledgement "beep(s)"
	Zone 1	Zone 2	Zone 1	Zone 2		
33"–40" (81–100 cm)	OK	OK	OK	OK	3 presses	●●●
31"–32" (76–80 cm)	OK	OK	OK	OK	4 presses	●●●●
29"–30" (71–75 cm)	OK	OK	OK	OK*	5 presses	●●●●●
27"–28" (65–70 cm)	OK	OK	OK	OK*	6 presses	●●●●●●
25"–26" (61–64 cm)	OK	OK	OK	OK*	7 presses	●●●●●●●
24" (60 cm) Factory setting	OK	OK	OK	OK*	8 presses	●●●●●●●●
22–23" (55–59 cm) Factory setting	OK	OK	OK*	OK*	8 presses	●●●●●●●●
18–21" (45–54 cm) Factory setting	OK	OK*	OK*	OK*	8 presses	●●●●●●●●

OK = The installation complies with EN 50615 Cat. B standard test plan
OK* = The installation may not in all cases meet all EN standard requirements.

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

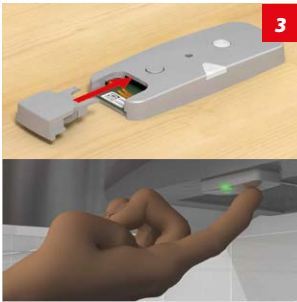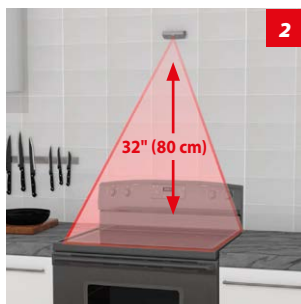**32" (80 cm)**

Select the required location and mount the bracket

Wall mounting requires a bracket (Adjustable Mounting Bracket SAI500-ABS, included to the sales package). The bracket is fastened on the wall using adhesive tape or screws.

Refer to separate mounting instructions for the adjustable bracket. Make sure that the bracket is locked in correct position with the screw so that the Heat Sensor faces towards the center of the range.

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

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

* For wall mounting with a distance less than 32" (80 cm) between the Heat Sensor and the range, 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 Mounting 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 Mounting Plate. Attach the Heat Sensor with the LED facing the user.

Attach the Mounting Plate while the Heat Sensor is on it.

WALL MOUNTING WITH ADJUSTABLE MOUNTING BRACKET

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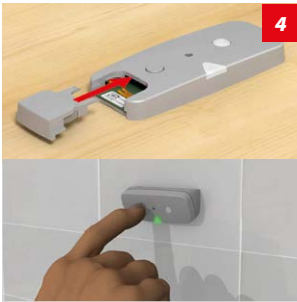
Starting the Heat Sensor

Insert the battery (see page 22) and place the Heat Sensor on the Mounting Plate.

Press the button shortly.
(LED flashes green).

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

DISTANCE FROM RANGE TO HEAT SENSOR	RANGE SIZE		SENSITIVITY LEVEL CONFIGURATION	
	0–60 cm wide	61–90 cm wide	Sensitivity	Acknowledgement "beep(s)"
32" (80 cm) Recommended	OK	OK	3 presses	●●●
28"–31" (70–79 cm)	OK*	OK*	3 presses	●●●
26"–27" (65–69cm)	OK*	OK*	4 presses	●●●●

OK = The installation complies with EN 50615 Cat. B standard test plan
OK* = The installation may not in all cases meet all EN standard requirements.

Please note: The sensitivity level of the Heat 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 range must be disconnected throughout the entire installation.

POWER OFF

1
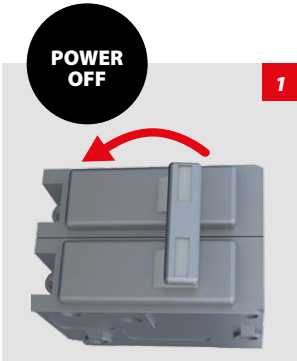
Disconnect the power

Switch off the power at the circuit breaker panel.

Note! Do not turn on power at the circuit breaker panel unit before the Heat Sensor is set and ready for a Function Test.

2

Connect to the Control Unit

• Unplug the range.

• Connect the range to the Control Unit.
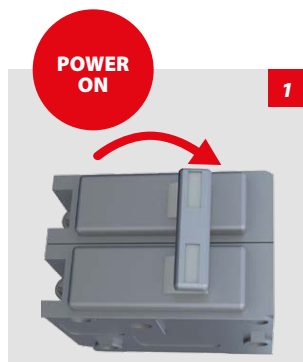
• Plug the power cord of the Control Unit to the wall outlet.

FUNCTION TEST

The installation is completed when the Function Test has been passed. The Heat Sensor will then give an alarm. This Reference and Installation Manual, accessories and stickers should be left with the product for future reference.

POWER ON **1**

Return the power

Switch on the power at the circuit breaker panel.

2

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 range and give an alarm signal every 5 seconds. The Heat Sensor will also sound an alarm after a few seconds.

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

3

Reset the alarm

It is important to reset the alarm after a Function Test to ensure power to the range. Reset the alarm by pressing the button once.

Check that the range 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.

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

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

2

GETTING STARTED

The range 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.
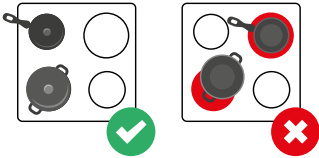
Please note:

The Heat Sensor learns and adjusts, when the user resets the pre-alarm.

READ BEFORE

Avoiding false alarms

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

If you have a freestanding range, the oven controls must also be turned off once the power supply has been switched off by the alarm.

After alarm

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

Touch controls
If the Stove Guard has turned the range off, press the Heat Sensor button once. After this, the range can be used normally.
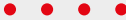
In some cases you must wait until the range has cooled down to continue to use.

Dislocation alarm

Removing the Heat Sensor from the Mounting Plate cuts off the power to the range. Returning the Sensor back to the Mounting Plate returns the power to the range. Press the Heat Sensor button once.

Action in the event of an alarm

The range 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 Mounting Plate.	Return the Heat Sensor to the Mounting 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 range.	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 range is switched off.	Make sure that the controls are set to "0". Press the Heat Sensor button once to return the power to the range.
Control Unit Short "ring" with 5-second intervals. ∿ ∿ ∿ ∿ ∿	**No power** The power to the range has been cut off.	Make sure that the controls are set to "0". Wait until the range has cooled down after it has been disconnected then press the Sensor button once to return the power. If the range cannot be switched back on, see FAQ, question 9, page 21.
Control Unit Continuous "rings". ∿∿∿∿∿∿∿	**No power** The range is too hot for the power to be turned back on.	Make sure that the controls are set to "0". Wait until the range has cooled down and the Control Unit starts emitting a short "ring" with 5-second intervals as described in the section above, and press the Sensor button once to reconnect the range. If the alarm does not stop, see FAQ, question 9, page 21.
Control Unit Short and long "ring" with 10-second intervals. ∿ ∿ ∿ ∿	**No power due to Auto-diagnostics Alarm** The range has been disconnected due to a temporary fault (automatic error diagnosis).	Make sure that the controls are set to "0". Wait until the range has cooled down after it has been disconnected then press the Sensor button once to return the power. If the range 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 delays the alarm for 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 Mounting Plate
The Heat Sensor emits 4 "beeps" (● ● ● ●). The range 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.

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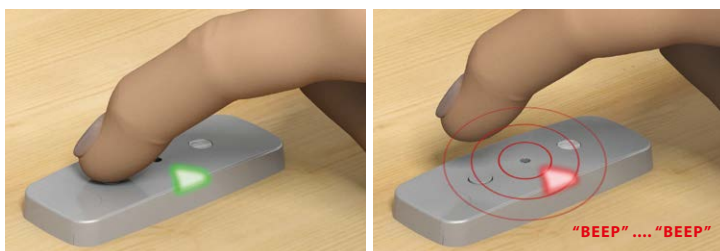
Note: When selecting the correct sensitivity level it is important the process is not rushed. Ensure the sensor button is pressed firmly down each time, holding for a period of 1 second before releasing.

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 Mounting Plate. Press the button once.

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

Checking the sensitivity level

1. Remove the Sensor from the Mounting Plate. (The Sensor gives 4 "beeps" (● ● ● ●) and the range is switched off.)

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

"BEEP" "BEEP"

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 Mounting Plate. (The Sensor gives 4 "beeps" (● ● ● ●) power is cut off to the range).

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 Mounting Plate and press the button once.

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

"BEEP" "BEEP" "BEEP"

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 alarm by pressing shortly the Heat Sensor button. Check that the range can be turned on. If the Heat Sensor does not respond or if the alarm cannot be reset, first repeat the pairing procedure and then see FAQ, page 22, points 5 and 6.

FREQUENTLY ASKED QUESTIONS

1. I cannot turn on the range, and there is no signal from the Control Unit.
ANSWER 1: The Sensor has been removed or placed incorrectly on the Mounting Plate. The Heat Sensor shall be positioned parallel to the Mounting Plate and it is recommended to have LED facing to the user.
ANSWER 2: If the sensor is correctly positioned on the Mounting Plate, the Control Unit's overheating protection has switched the range's power off. The range can be switched on again by turning off the power supply for a few seconds using the range's fuse (in the at the circuit breaker panel). 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 have a learning function (see page 15). Pressing the 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's button once.
ANSWER: The Auto-diagnostics alarm (Control Unit emits one short and one long "ring" every ten seconds) may be triggered if the Sensor is not on the Mounting Plate, if it is positioned incorrectly, or if the Sensor is covered by dirt or grease. It can also be triggered by a problem with the radio connection or malfunction of Stove Guard.

ANSWER 1: Make sure that the Heat Sensor is firmly attached to the Mounting 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 Sensor button once.
ANSWER 2: Turn off the range's power from the at the circuit breaker panel for 15 seconds.
ANSWER 3: If the fault diagnosis switches off the range again, contact the retailer. If the range 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 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 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 power to the stove cannot be restored.
ANSWER: First try the Function Test, see page 13. If this does not fix the problem, turn off the range's power at the at the circuit breaker panel 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: 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 1: Make sure that the Sensor is correctly installed. See page 5 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 range. If the Function Test fails, contact the retailer.

ANSWER 3: When mounting lower than 90 cm above the range, 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 carried out a few times without the alarm becoming insensitive.

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

ANSWER: The range is locked due to several repeated alarms for the maximum temperature. Unlock by turning off the range's power at the at the circuit breaker panel for 15 seconds.

10. 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 Sensor button. The sensitivity level of the Sensor will not change, as the espresso maker triggered an alarm for maximum temperature and not self-learning.

11. 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.

12. Where can I find the Sensor model number?

ANSWER: On the underside of the Heat Sensor there is a sticker with the model number.
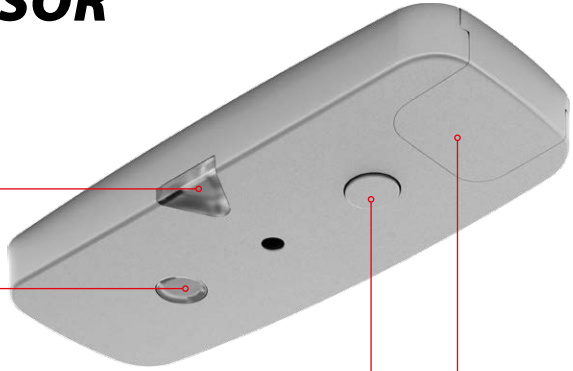
3

TECHNICAL SPECIFICATIONS

THE HEAT SENSOR

Signal LED
should face towards user

IR lens

Button

THE CONTROL UNIT

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

SGC430-U4-35

SGC430-1U3-50

Battery lid
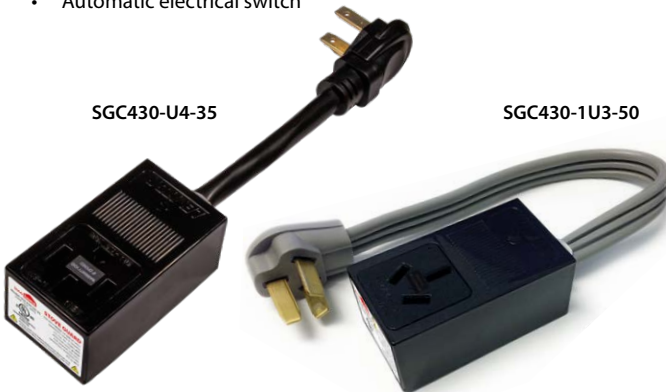The Heat Sensor is a battery-operated device. Use only new CR2032 button cell (watch type) batteries. To avoid damage or malfunction, do not use other types.

Pull out the battery lid. Place the battery under the lid, and slide the lid back in. Make sure that "the plus side" comes upwards (towards the battery lid). The Heat Sensor makes a "beep" when the battery is inserted correctly.

Replace the leaking battery immediately.

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. Dispose any used batteries at a hazardous waste collection site or recycling facility. Batteries contain toxic materials and therefore should never be placed in the trash. You may be able to recycle or dispose button batteries at some electronics retailers – Please consult your local recycling and hazardous waste guidelines.
The battery needs to be removed before the Heat Sensor can be recycled.

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: NEMA 10-50P/R, 50 A, 250 V~ X, Y, W
- SGC430-U4-35: NEMA 14-50P/R, 35 A, 250 V~ X, Y, W, G

Heat Sensor

- SGS1030 (silver)
- 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" (100 cm)
- Sensing distance (from the range top) 18"–40" (45–100 cm) hood installation, 56"–80" (140–200 cm) ceiling installation, 32" (80 cm) wall installation (recommended)

Technical specifications

- Maximum rated current (A): SGC430-1U3: **50 A** • SGC430-U4-35: **35 A**
- Rated voltage or rated voltage range in volts: **250 V**
- 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 35 °C)**
- Classification of control according to protection against electric shock: **Class I equipment** SGC430-U4-35 • **Class II equipment** SGC430-1U3
- 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