

# STOVE GUARD SGK510 INSTALLATION INSTRUCTIONS

**Compatibility:** All electric cookers. Max. hob width 90 cm. (Wider cookers require two Intelligent Heat Sensors - for enquiries contact your retailer)

**EN standard compliance:** Hobs with 4 hotplates. Can be used safely with other hob types.

**Installation parts purchased separately for:**

- Wall installation and certain ceiling installations (see tables below): Mounting bracket, part no. SAI500-ABX
- Cookers with mechanical knobs when Heat Sensor higher than 90 cm above the cooker: Reset button, part no. SGR300, available separately

## Hob width 60 cm - Heat Sensor installation options

Options (height measured from cooker top)	Location
<b>Cooker hood</b> (horizontal hoods only) 45 - 80 cm	Zone 1 (see image 1). *
<b>Cooker hood</b> (horizontal hoods only) 80 - 120 cm	Zones 1 and 2 (see image 1).
<b>Wall</b> 80 cm	Mounting bracket required (purchased separately).
<b>Ceiling</b> 150 - 200 cm	Directly above the central point of the hob (max. 5 cm tolerance). Other positions using mounting bracket (purchased separately).

\* If required, Zone 2 can be used. However, when used with certain pot types, this installation does not fulfil all EU standard requirements (see main manual. FAQ, question 1.7).

- ❗ For indoor use only.
- ❗ Not suitable for use in professional kitchens.
- ❗ Control Unit installation is to be carried out by a qualified electrician.
- ❗ Ensure correct location. Carry out test alarm.

## Hob width 90 cm - Heat Sensor installation options

Options (height measured from cooker top)	Location
<b>Cooker hood</b> (horizontal hoods only) 80 - 120 cm**	Zone 1 (see image 1).
<b>Wall</b> 80 cm	Mounting bracket required (purchased separately).
<b>Ceiling</b> 150 - 200 cm	Mounting bracket required (purchased separately).

\*\* If required, the Heat Sensor can be installed to heights between 60 - 80 cm (Zone 1). However, when used with certain pot types, this installation does not fulfil all EU standard requirements (see main manual. FAQ, question 1.7).

## 1. Installation and testing

### STEP 1 - Install the Intelligent Heat Sensor

Install the Intelligent Heat Sensor underneath the cooker hood, on the wall or on the ceiling. This sheet includes instructions for standard installations (see tables above). Instructions for installations requiring a mounting bracket (part no. SAI500-ABX) are found in the mounting bracket manual.

#### Cooker hood installation

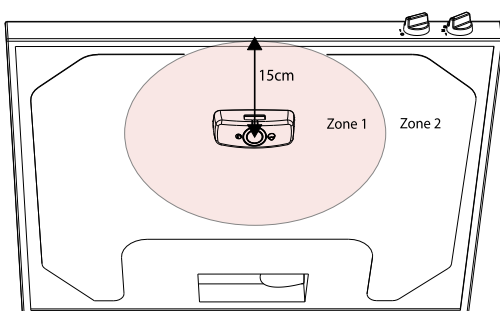
- See tables above for your required installation zone.  
Zone 1: above the central point of the cooker, max. 15 cm tolerance to the side (see image 1). Zone 2: see image 1.
- At minimum 10 cm distance from cooker hood lights - 5 cm for LED lights.
- Only install on a horizontal surface so that the Heat Sensor is pointing directly downwards.

*The Sensor can also be attached to the grease filter grid. Ensure that the surface is clean (from dirt and grease) by using a detergent. Dry thoroughly prior to attaching the Sensor.*

**1.** Allow the Intelligent Heat Sensor to first adjust to room temperature. Peel the sticky backing away from the Sensor mounting plate and stick the Sensor to the underside of the cooker hood. Ensure that the LED on the side of the Sensor points towards you (see image 2, A). Remove the Sensor from the plate (Sensor will emit a beep). Press the mounting plate firmly towards the surface to ensure a secure fit.

**2.** Remove the red battery disconnection piece from the Sensor (see image 2, B), retain for possible later use. Put the sensor back on the mounting plate, ensure that it goes the right way round, and fits tightly on the plate so that there are no gaps.

**3.** Measure the distance between the cooker top and the cooker hood. For standard distances between 63 - 70 cm, no sensitivity level adjustment is necessary. For all other distances set the Heat Sensor sensitivity manually, see instructions on the reverse of this sheet.



Zone 1: above the central point of the cooker (max. 15 cm tolerance to the side).

Image 1

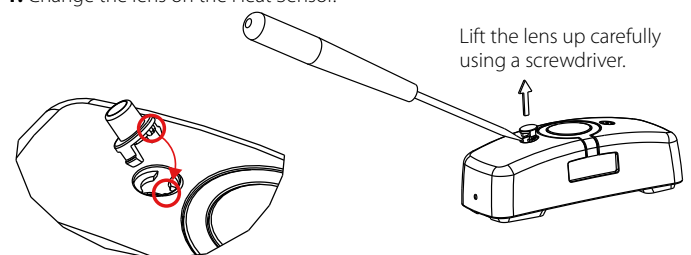
#### Ceiling installation

**NOTE** Cookers with mechanical knobs require an additional reset button (available separately).

For standard installation (without additional mounting bracket), the Intelligent Heat Sensor can only be installed **directly above the central point of the hob** (max. 5 cm tolerance to the side).

*Ensure that the surface is clean (from dirt and grease) by using a detergent. Dry thoroughly prior to attaching the Sensor. If necessary, a plumb line or a pen and a string can be used to aid in locating the central point.*

**1.** Change the lens on the Heat Sensor.



Press the IR eye lens extension (included) down as shown in the image. The extension should point up at 90° angle. If the extension moves around, check that it has been inserted the right way round.

**2.** Install the Heat Sensor as instructed in points 1 and 2 under cooker hood installation (on the left).

**3.** Set the sensitivity level manually to level 1, go to 'Settings', on the reverse of this sheet.

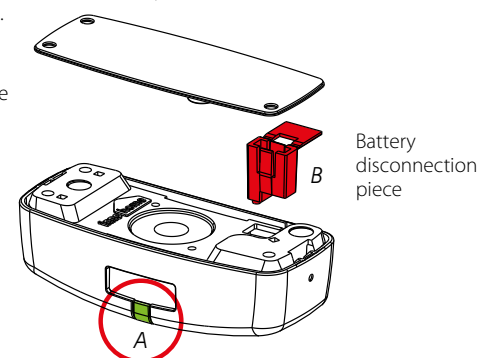


Image 2

## 1. Installation and testing continued

### STEP 2 - Install the Control Unit

**Installation only by a qualified electrician. The Control Unit should be installed on the wall behind the cooker, next to the cooker power outlet.**

#### Ensure that

- The Control Unit cannot be covered or blocked, and has free air flow around it.
- No water can splash on the Control Unit.
- It is possible to access the setup button (see image 3) by moving the cooker.
- The Control Unit is not installed inside a cupboard or near a sink.

**1.** Turn the electricity supply to the cooker off at the MCB.

**2.** Attach the Control Unit to the wall using screws, then connect it between the power outlet and the cooker according to circuit diagrams (see separate connection guide).

**3.** Ensure that cables are securely installed and connected in accordance to the wiring regulations, that the terminal screws are tight, and the connectors properly fastened. Double check that there is no short circuit in the cooker side of the circuit.

**4.** Turn the electricity back on. The Control Unit emits a buzzing sound, and after 20 seconds another buzzing sound.

**The default features have now been activated. However, test alarm is required for Control Unit's correct operation.**

### STEP 3 - Test the Stove Guard

**1.** Press the Sensor cover until the Sensor emits a beep.

**2.** Check that the Control Unit emits a buzzing sound. After a moment, the Heat Sensor emits an alarm signal. Reset the alarm by pressing the Sensor cover once.

**3.** Check that the cooker has no power. Then reset the alarm by pressing the Heat Sensor cover once, and check that resetting returned power to the cooker.

**For ceiling installations,** it is recommended to also test the Stove Guard function by turning the largest hotplate on, and waiting for the Stove Guard alarm to trigger (max. 10 minutes). Please note that this test cannot be carried out with induction cookers without an adapter plate - see FAQ, chapter 4 in the reference manual, question 1.6.

**The Stove Guard is now ready for use!**

**Next carry out optional features activation if required – go to reference manual chapter 2.**

- Use in conjunction with a carbon monoxide / smoke alarm.
- Additional features for cookers with mechanical knobs Recommended for the elderly, persons with disabilities, student halls and families with children or pets. Also for cookers that do not have a thermostat.
- Silent alarm.

Then test the Stove Guard (step 3).

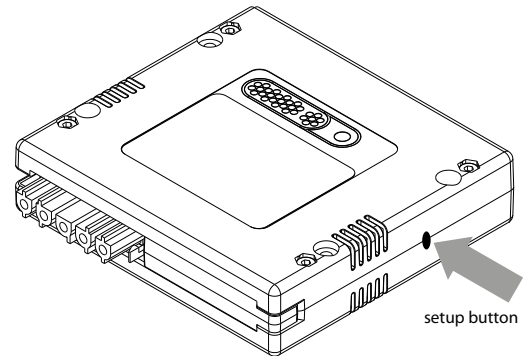


Image 3

## 2. Settings

### Setting the Intelligent Heat Sensor sensitivity level

**The Heat Sensor sensitivity level is set manually for ceiling installations and when the cooker hood is below 63 cm or higher than 70 cm above the cooker top.**

**Ceiling installations: set to level '1'.**

**Cooker hood installations: see the table below.**

cm	45	→	49	→	52	→	57	→	63	→	71	→	82	→	94	→	108	→	120
level	9		8		7		6		5		4		3		2		1		

Level 1 is the most sensitive level and level 5 is the factory setting.

**1.** Detach the Intelligent Heat Sensor. (Wait for the Sensor to emit four beeps - the cooker turns off (Sensor Dislocation Alarm))

**2.** Put the red battery disconnection piece into the space on the underside of the Heat Sensor (see image 2, B). Hold the Heat Sensor in your hand and press the disconnection piece and the cover towards each other, hold for about 5 seconds.

**3.** Release the hold (the Heat Sensor emits a beep) and remove the battery disconnection piece. Within 20 seconds, first press and release the cover once, then press and hold the cover down for about 5 seconds, until you hear a beep. Release and immediately press and hold again, until you hear a further beep. Release the hold.

**4.** Within 20 seconds, start pressing the cover as many times as is the sensitivity level you want to adjust the Sensor to, with short presses. Wait for the green LED to go off between the presses.

**5.** The Intelligent Heat Sensor now confirms its sensitivity level with beeps, given in two lots – see table below. (Afterwards the Heat Sensor emits 3 + 7 beeps.) *If the level is not correct carry out the procedure again, starting from point 2.*

**6.** Return the Sensor to the mounting plate and press its cover once. *Save the battery disconnection piece for possible later use.*

Beeps				Sensitivity level
•	3 seconds break	•	then 3 + 7 beeps	1
• •	3 seconds break	• •	then 3 + 7 beeps	2
• • •	3 seconds break	• • •	then 3 + 7 beeps	3
	...			...

## 3. Troubleshooting

### The Heat Sensor makes no sound when pressing the cover

Check that the red battery disconnection piece has been removed.