

Glass ceramic built-in hob  
with sensor touch controls

EKE 905.2

EKE 605.2

Service Manual: H1-01-08

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## 1. Appliance illustration / Technical data

### 4 Cooking zones

Total connected load: 6.7 kW

1 triple-circuit cooking zone 12 cm/1800 W – 17.5 cm/1600 W - 21 cm /2300 W

1 cooking zone 14.5 cm/1200 W (can also be used as a roasting zone, 2000 W)

2 cooking zones 18 cm/ 1800 W each

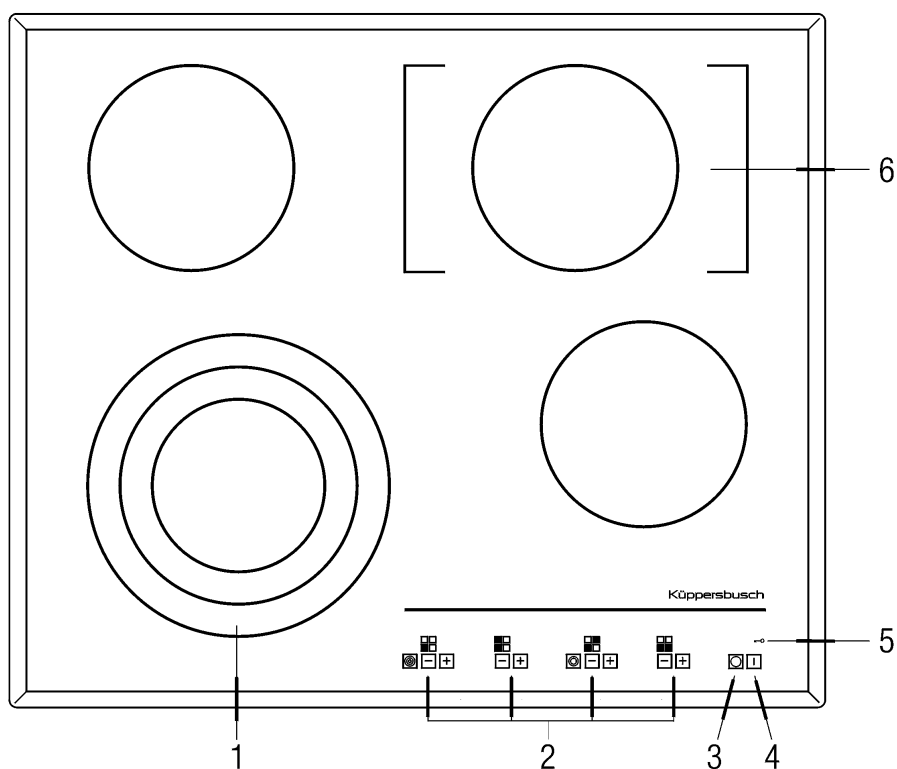


Illustration: EKE 605.2F

1 Triple-circuit cooking zone

2 Sensor keys for cooking zones

3 Off sensor

4 Stand-by sensor

5 Child-safety lock (sensor lock)

6 Frying zone

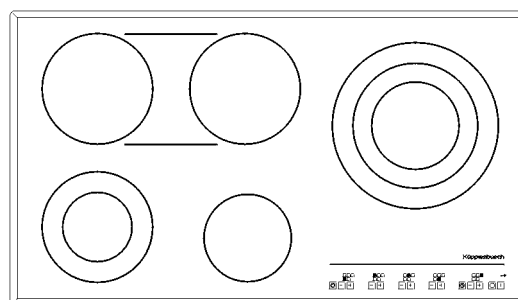


Illustration: EKE 905.2F

## 2. Description of the functioning of the touch control for 5 zones (EKE 854.1) and pan sensor (EKE905.2F)

### Please note the safety instructions!

Subsequent to initial connection and after a power failure *CL* will appear briefly in the LED displays. Rotating, circling symbols will then be indicated. This means that the sensors have been checked automatically and that the touch sensitivity has also been newly set.

Confirm this indication by touching the OFF sensor. These symbols will be switched off immediately if there are no objects on the sensors. Otherwise remove any objects and disconnect the cooking zone briefly from the mains (fuse) once again.

**Important:** *No objects must be lying on top of the sensors when adjusting the sensor's sensitivity.*

### 2.1 General adjustments to the software / hardware of the touch control for 5 zones without a pan sensor used until now

1. An additional LED has been installed below the dual-circuit key. It signals that the second circuit has also been activated for cooking zone 5.
2. The decimal points in the display indicate the pan sensor situation should the touch control have been configured for the pan sensor.
  - Decimal point does not light up: pan sensor active
  - Decimal point lights up: pan sensor for the respective zone deactivated
  - Decimal point blinks: pan sensor fault recognised
3. Certain functions can now be activated or deactivated by entering a code.
 

A code entered is activated when the hob is switched off by pressing both the plus sensor and the dual-zone sensor of zone 5 simultaneously (for approx. 5 sec.).

An alarm buzzer will sound briefly and the display will show *C.00.0*. In this case "C" stands for Code and the next two zeros stand for the code number of the respective function. The last zero is the point at which the function is activated or deactivated. The code numbers are set with the plus key of the respective zone. In the display for zones 3 and 4 numbers between 0 and 9 can be set and in the display for zone 2 a setting between 0 and 1 can be made.

Once the required code number has been set, it is confirmed and the respective action is carried out by pressing the two minus keys for zones 2 and 3 simultaneously. A short acoustic signal will also sound.

#### Codes:

Activate pan sensor calibration	<i>C.63.1</i>
Switch off the pan sensor mode	<i>C.72.0</i>
Switch on the pan sensor mode	<i>C.72.1</i>
Switch off the demonstration mode	<i>C.81.0</i>
Switch on the demonstration mode	<i>C.81.1</i>
Switch on the operation mode for Europe	<i>C.10.0</i>
Switch on the operation mode for the USA	<i>C.10.1</i>

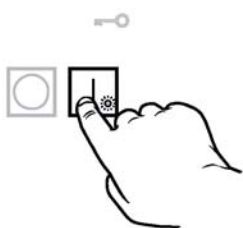
If an incorrect code number is set, the code setting will be deactivated again and the display will go off. If the code setting has been activated and no corresponding key is pressed for approx. 10 seconds, the code setting will also be deactivated.

## Explanation of the code functions

### Pan sensor calibration

When this function is activated, the display will show *CAL* until calibration has been completed. No objects may be placed on the hob for the duration of the calibration process. Should it not be possible to activate the pan sensor calibration mode within 5 seconds, the calibration request and the display will be deleted. Pan sensor calibration may also be activated by pressing the child lock key while the zeros circle in the display once the appliance is supplied with power.

## 2.2 Turning the hob on



Touch the stand-by sensor key for about 2 seconds.

The LED display above the sensor will light up and the appliance will switch into the stand-by mode.

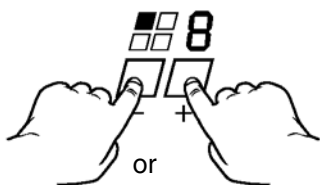
The stand-by mode automatically switches itself off

- if no cooking zone is activated within 20 seconds (after 10 seconds an acoustic buzzer will indicate that the appliance will switch off after another 10 seconds)

or

- if it remains unused for one minute after operation.

## 2.3 The cooking levels



There exist 9 cooking levels.

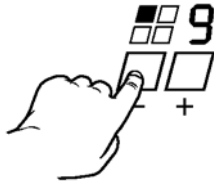
The cooking setting required can be activated by means of the plus or the minus sensor key. It is shown in the display.

The 0 setting remains visible for approx. 2 seconds after switch-off.

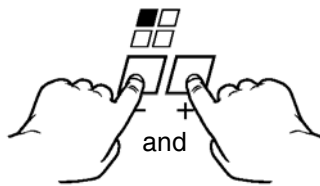
Setting	Suitable for
1 - 3	Heating up, keeping warm, swelling, defrosting
4 - 5	Steaming, soaking, cooking
6 - 8	Frying, deep-fat frying
9	Heating large quantities



If you touch the plus key, the cooking zone starts at setting 5, without parboiling boost.



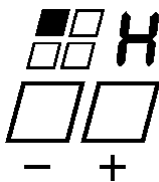
When the minus sensor is touched the cooking zone will commence operation at setting 9. This will also automatically activate the automatic parboil mode.



Switching off the cooking zone:

press the plus sensor key and the minus sensor key simultaneously.

## 2.4 Residual heat display



As long as the cooking zone is still hot an "H" will appear in the display when the cooking zone has been switched off.

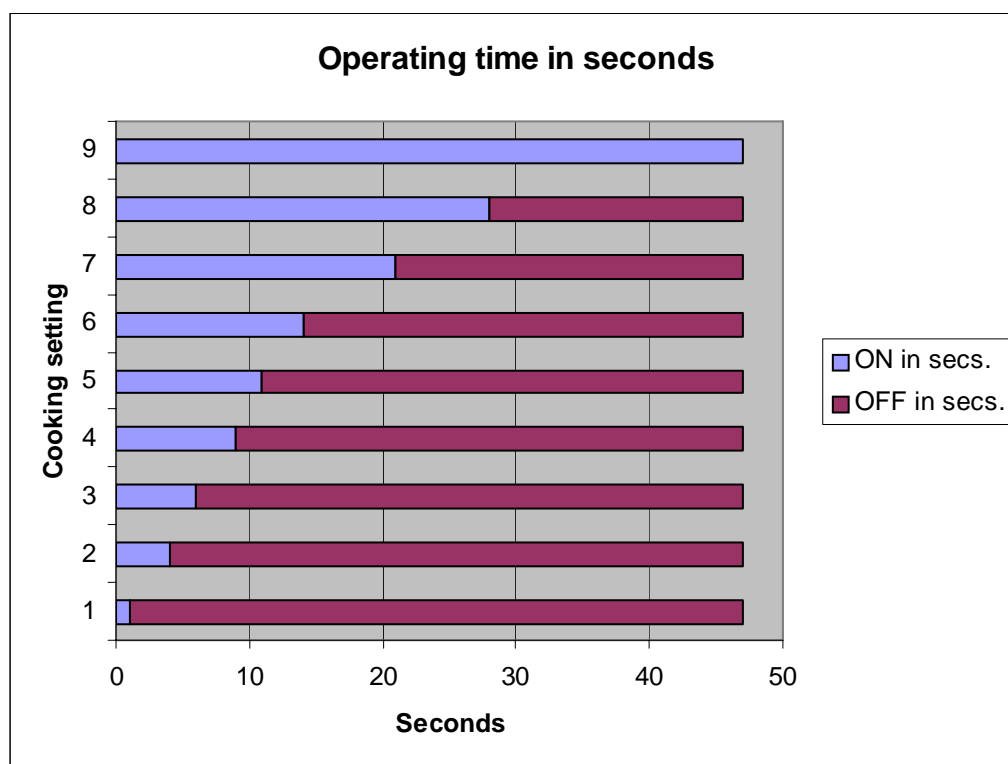
## 2.5 Operating time

The temperature of the cooking zones is time-regulated.

The respective cooking zone will be switched on and off in accordance with the following table, depending on the control setting.

Switch position	1	2	3	4	5	6	7	8	9
Switching on in sec.	1	4	6	9	11	14	21	28	47
Switching off in sec.	46	43	41	38	36	33	26	19	0

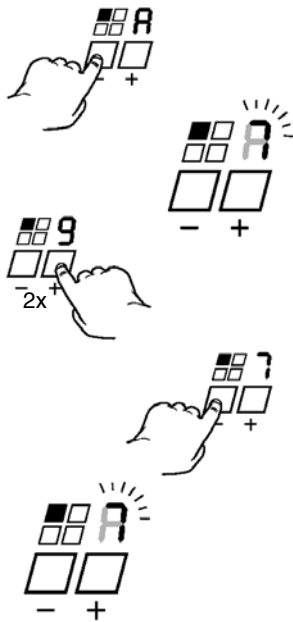
This means that if the setting is 6 the regulator will be switched on for 14 seconds and will then remain at OFF for 33 seconds. This time hence amounts to 47 seconds. The regulating cycle will then be re-commenced.





## 2.6 Automatic boost function

All cooking zones have an automatic initial cooking function. The parboiling boost is activated at full power. The parboiling boost time depends on the subsequent cooking level which has been selected after the activation. The cooking zone automatically changes to the selected subsequent cooking level as soon as the set parboiling boost time has elapsed.



Selecting the required setting by means of the minus sensor key will automatically activate the automatic boost function.

During automatic operation an "A" will flash in the display in alternation with the cooking level set.

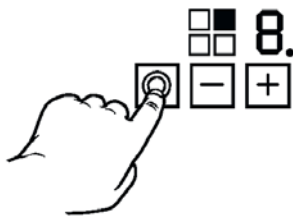
If the automatic boost function is to be activated when the required setting is selected by means of the plus sensor key, the plus sensor key must be touched again once power level 9 has been reached.

Then set it at the required cooking level.

An "A" will flash in the display in alternation with the cooking level set.

## 2.7 Multi-circuit cooking zone and frying zone

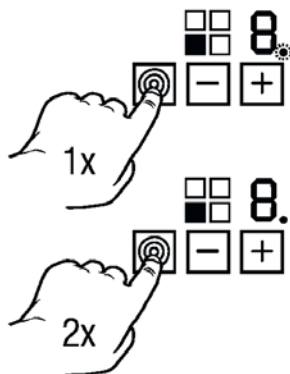
As a standard rule, the smallest cooking zone diameter is heated. Switch on the outer cooking zone circuit for large pots.



### Dual-circuit zone and frying zone

Touch the cooking zone symbol next to the Plus/Minus sensor keys.

When the dual-circuit cooking zone has been activated a dot will be shown in the cooking setting display on the bottom right. Touching the cooking zone symbol again will deactivate the dual-circuit zone and the frying zone.



### Triple-circuit zone and frying zone

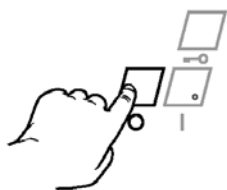
Touch the cooking zone symbol next to the Plus/Minus sensor keys.

When the middle cooking zone has been activated a flashing dot will be shown in the cooking setting display on the bottom right.

Touch the cooking zone symbol once again.

When the outer cooking zone has been activated a dot will be shown in the cooking setting display on the bottom right. Touching the cooking zone symbol again will switch both of the outer cooking zones off together.

## 2.8 Rapid cut-out



All of the cooking zones can be switched off quickly with the OFF sensor.

## 2.9 Sensor lock

The childproof lock can be used to protect the appliance against unauthorised use. The hob must be switched on.

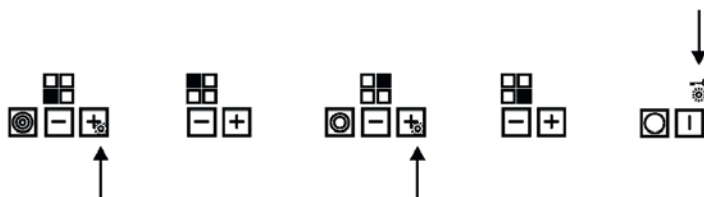
### Activating the childproof lock:



Touch the lock key for about 2 seconds.

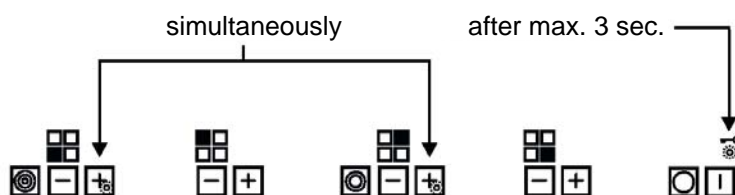
The childproof lock may also be activated while the appliance is in operation. In this case, however, the settings of the cooking zone can only be turned down or switched off.

An activated childproof lock is indicated by means of three blinking lights.



**Attention!** Switching the hob off does not cancel the child-proof lock!

Cancelling the childproof lock:



Touch the two left sensors indicated by means of blinking lights simultaneously.

Then touch the lock sensor within 3 seconds.

**Note** The childproof lock will no longer be activated after a power failure.

## 3. Mounting and removing the electronic system