

Error Messages cooking appliances with G5 generators

Error Messages

There is a general differentiation between cooking zone- specific errors and general errors. Error conditions that may be definitely assigned to a cooking zone only switch off the cooking zone. But general errors always switch off the entire control unit.

As long as there is an error the control or the cooking zone may not be switched on again.

General errors with three cooking zones:

The error display is realized on the 7-segment displays of two cooking zones that are situated next to each other. On both displays "Er" is blinking alternating with the two-digit error number.

General errors with four cooking zones:

General errors are displayed with four cooking zone-displays for controls. Here, the two back displays show blinking "E" and "r", and the two front displays show the two-digit error number.

General errors with five cooking zones:

A possibly existing fifth display is not used – the error indication is equivalent to that with four cooking zones.

Cooking Zone- specific errors:

Are always displayed on the respective display – alternating with "E" and the one-digit error number.

In any of these cases it is still optionally possible to have a residual heat indication for cooking zones with an error.

Since only one error may be displayed on a cooking zone or only one general error may be displayed, these are subject to a prioritization.

General errors basically have priority vs. Cooking zone -specific errors.

General Errors

Priority	Display	Description	Delay	System
1	U400	Wrong connection of control; directly registered at RHE or informed per LIN with induction	1s	all
2	Er31	invalid or no configuration	1s	induction
3	Er47	communication on LIN bus disturbed; a required participant does not answer	1s	induction
4	Er36	short circuit at the temperature sensor of the TC(all) or on power unit (only RHE)	10s	all
5	Er39	wrong programming options (fuses, lockbits)	1s	all
6	Er20	controller flash defect; check sum not correct	1s	all
7	Er13	EEPROM data incorrect (multi-variants)	1s	RHE
8	Er37	return of sliding register signals to select, segment or relay triggering incorrect	1s	all
9	Er26	relay voltage too high in switched-off condition or too low in switched-on condition	1s	RHE
10	Er22	key error: min. one key has an invalid stage	10s	all
11	Er42	5V at the controller outside the valid range or too much variance	1s	all

Cooking zone- specific errors

Priority	Display	Description	System
1	E5	LIN bus communication error; highly probable diagnosis by Touch Control and displayed as Er47	induction
2	E5	controller flash defect; check sum not correct	induction
3	E5	programming options wrong	induction
4	E5	EEPROM check sum wrong	induction
5	E5	EEPROM data not plausible	induction
6	U400	over-voltage 400V (turns to gen. error on Touch Control, when reported by at least on induction cooking zone)	induction
7	E5	error mains supply signal	induction
8	E7	Sub LIN error between filter and power unit	induction
9	E6	5V short circuit on power unit	induction
10	E6	12V on power unit too low	induction
11	E6	temperature sensor at heat sink defect	induction
12	E6	mains voltage synchronous impulse incorrect	induction
13	E9	coil sensor defect	induction
14	E2	over-heating coil sensor (diagnosis by induction)	induction
15	„Flash“	permanent actuation (min 10s) with switching-off of one cooking zone	all
16	E2	over-heating (diagnosis by Touch Control)	RHE
17	E3	User Display: Pot inaplicable (generated by the IHE and sent via Lin as 0x48) This error can have several IHE-internal reasons: - IGBT overvoltage - frequency of the oscillating circuit to low - overcurrent - current value implausible (HW-Error) - intermediate circuit voltage to high (HW-Error)	B-IHE
18	E4	Cooking zone not available or not configured. Comparable to Error Er47 Induction G4. In this case it an error related to the cooking zone (generated by the Touch Control).	B-IHE
19	„Flash“	permanent actuation (min 10s) with switching-off of all cooking zone	all

All errors stated for induction are also valid for mixed hobs!

The detection and prioritization of most of the cooking zone errors is realized by the induction sub-assembly, which is also responsible for the error lag time. After the communication time via the LIN bus the error is finally displayed on the TC. Most of the error numbers may have several causes – this is intended, since the error code shall give a hint, which part of the total system has to be replaced in order to solve a problem.

E2	over-heating
E5	change filter board
E6	change power unit
E7	unknown error, may not definitely be assigned
E9	change temperature sensor