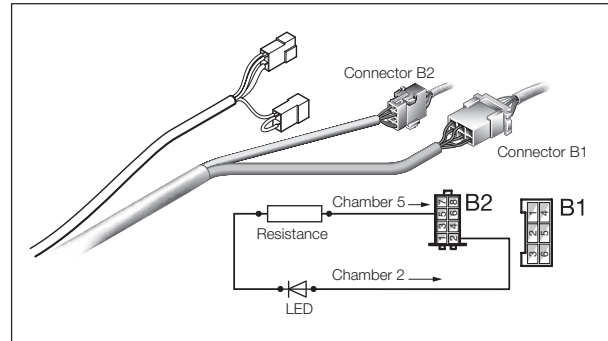


4 Troubleshooting

Fault diagnosis – flashing code (LED with series resistor)

The electronic control box can store up to 5 faults.
 The defective component and type of fault are output by the control box as a flashing code and are displayed by an LED with series resistor (approx. 1 kΩ / 1W).
 The LED with series resistor is connected to the 8-pin connector of the heater cable harness (chamber 2, cable 1² bl/ws and chamber 5, cable 1² ge).
 The flashing codes of the defective components and the corresponding fault codes are described on page 14.
 Possible causes and remedial action are explained in the fault code tables (pages 22 – 25).

LED and series resistor



Sketch 7

Flashing code

	400 ms pause at the start of the flashing code	8 sec.	16 sec.
Operation without faults	[Solid grey bar]		
Flame monitor Fault code 16, 51, 58	[Short pulse]	[Short pulse]	
Safety time exceeded Fault code 50, 52	[Long pulse]	[Long pulse]	[Long pulse]
Flame cutout Fault code 54	[Short pulse]		
Overheating Fault code 12, 15	[Short pulse]	[Short pulse]	[Short pulse]
Burner motor Fault code 32, 33	[Long pulse]	[Long pulse]	
Undervoltage cut-off Fault code 11	[Short pulse]	[Long pulse]	[Short pulse]
Oversvoltage cut-off Fault code 10	[Long pulse]	[Short pulse]	[Short pulse]
Temperature sensor Fault code 14, 60, 61, 71, 72	[Short pulse]	[Short pulse]	[Short pulse]
Connection error Fault code 20, 21, 25, 37 – 39, 44 – 49, 80 – 83	[Short pulse]	[Short pulse]	[Short pulse]
Control box Fault code 90 – 97	[Long pulse]	[Long pulse]	[Long pulse]

Short pulse – flash duration: 0.4 sec.
 Long pulse – flash duration: 2.0 sec.
 Pause between the pulses: 0.4 sec.
 Period of a flashing sequence: 8.0 sec.

Sketch 8