

## 5.4 Error code output

If the heater is fitted with a combination timer, an error code output will appear on the display of the timer after a fault occurs.

### NOTE

The error code is output if the heater is fitted with a control element after an error has occurred by the switch-on indicator/error code indicator flashing. After 5 seconds of fast flashing, the error code will be output by a sequence of long flash pulses, the number of flashes is shown in the table below (for example F04 – 4 long flash pulses).

Error code	Error (group)	Additional information during PC diagnostic	Remedy
F 00	Control unit error	<b>01</b> Control unit error <b>81</b> EOL checksum error <b>11</b> Incorrectly coded control unit or incorrect heater (fuel type) installed (the heater will not work if this error occurs) <b>91</b> Neutrally coded or disabled control unit (the heater will not work if this error occurs) <b>92</b> Maintain command failed (the heater will not work if this error occurs) <b>18</b> Customer bus defective	Replace control unit
F 01	No start	<b>02</b> Even after the restart, no flame has formed <b>82</b> No start in test	Check fuel supply (tank empty, lines blocked) Clean burner insert, replace flame sensor
F 02	Flame failure	<b>03</b> The flame has gone out during operation and has not reformed after a restart attempt <b>83</b> The flame has gone out during a heating cycle more than FAZ times (EEPROM)	Check fuel supply (tank empty, lines blocked) Clean burner insert, replace flame sensor
F 03	Undervoltage or overvoltage	<b>84</b> The voltage was less than 10.5 V or 21 V for longer than 20 seconds <b>04</b> The voltage was more than 16 V or 32 V for longer than 6 seconds	
F 04	Premature flame recognition	<b>05</b> The flame sensor recognised a flame before combustion had started	Replace flame sensor
F 06	External temperature sensor break or short circuit	<b>14</b> Temperature sensor circuit short circuit to earth <b>94</b> Temperature sensor circuit break or short circuit to +Ub	Check cables, replace temperature sensor Check cables and terminating resistor, replace temperature sensor

Fig. 503 Troubleshooting (page 1 of 2)



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