



# Manufacturer Error Codes

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**BAXI**



At Boiler Guide we've been producing heating guides and advice for customers for over 15 years. We're proud to say that we've become the trusted source for millions of customers who visit [boilerguide.co.uk](http://boilerguide.co.uk) every year looking for solutions to their heating requirements.

We also work with 1000s of Gas Safe registered installers providing a pay-as-you-go lead generation service helping companies of all sizes to grow their business.

Over the years we've been able to gather a wealth of industry knowledge and we've gained an understanding of the vast array of things people search for when it comes to heating. Safe to say '**what does this error code on my boiler mean?**' tends to feature quite heavily.

With so many makes, models and manufacturers of gas boilers available in the UK, it's impossible for even the most experienced of installers to know the system behaviour relating to every error code.

With this in mind we decided to take on the unenviable task of collating error codes from five of the most popular boiler brands to provide installers and homeowners with a quick go-to source when a boiler fault occurs - hopefully making your life a little easier.

We hope you find this easy to read guide helpful.

Best,

**David Holmes**  
**Boiler Guide Founder**

# Baxi Boiler Error Codes

- Baxi Platinum
- EcoBlue
- EcoBlu Advance & EcoBlue Regular Flashing Light
- 200 & 400 Combi
- Duo-tec & Megaflo
- 600 Combi
- MainEco
- Avanta
- GA Range
- Baxi Solo

## Baxi Platinum Error Codes

Fault Code	Possible Cause
<b>E20</b>	Central heating NTC error
<b>E28</b>	Error with the NTC (Negative Temperature Coefficient) flue, air pressure switch or blocked flue or condensate
<b>E50</b>	Hot water NTC (Negative Temperature Coefficient) error
<b>E110</b>	Thermostat operated safety
<b>E119</b>	Water pressure switch error – not operated.
<b>E125</b>	Primary circuit error circulation fault
<b>E130</b>	Flue NTC (Negative Temperature Coefficient) operation error
<b>E133</b>	Gas supply error or flame failure
<b>E160</b>	Fan or fan wiring error
<b>E193</b>	Pre-circulation error

**Baxi EcoBlue Error Codes**

<b>Fault Code</b>	<b>Possible Cause</b>
<b>110</b>	Overheated – try bleeding your radiators
<b>117</b>	Water pressure too high
<b>118</b>	Water pressure too low
<b>125</b>	Water circulation fault
<b>133</b>	Safety time to establish flame exceeded
<b>E10</b>	Outdoor sensor error
<b>E20</b>	Central heating thermistor sensor fault
<b>E28</b>	Flue thermistor fault
<b>E54</b>	Domestic hot water (DHW) flow sensor fault
<b>E78</b>	Water pressure sensor fault
<b>E100</b>	Internal clock time error on printed circuit board (PCB)
<b>E109</b>	Poor circulation
<b>110</b>	Overheated – try bleeding your radiators
<b>111</b>	Maximum limit of flow temperature
<b>117</b>	Water pressure too high
<b>118</b>	Water pressure too low
<b>119</b>	System pressure too low
<b>125</b>	Water circulation fault
<b>127</b>	Legionella (cause of Legionnaires' disease) protection temperature not reached
<b>128</b>	Loss of flame during operation
<b>133</b>	Safety time to establish flame exceeded
<b>153</b>	Forced reset unit unlocked
<b>160</b>	Fan fault
<b>162</b>	Air pressure switch error
<b>164</b>	Pressure Sensor Error (UK) – Heating flow switch error (Ireland)
<b>166</b>	Air pressure switch fault
<b>270</b>	Dry fire
<b>432</b>	Earth connector error

<b>433</b>	Heat exchanger temperature exceeded (greater than 95 degrees)
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## EcoBlue Advance / Ecoblue Regular Gas Boiler Flashing Light Error Codes

Fault Code	Possible Cause
<b>1 green flash</b>	Boiler temperature reached. No action required.
<b>3 green flashes</b>	Temporary flame loss. Boiler will self reset, if fault continues you will see 3 red flashes.
<b>4 green flashes</b>	Communication error between printed circuit board (PCB) and control. Temporary error, will self reset.
<b>5 green flashes</b>	Parameter error on printed circuit board (PCB). Temporary error, will self reset
<b>6 green flashes</b>	Miscellaneous error. Temporary error, will self reset.
<b>1 red flash</b>	Sensor error, temperature fault or flow fault.
<b>2 red flashes</b>	Boiler overheat tripped
<b>3 red flashes</b>	Ignition fault. Boiler has attempted to light 5 times and failed.
<b>4 red flashes</b>	Fan fault
<b>5 red flashes</b>	Parameter storage unit (PSU) error.
<b>6 red flashes</b>	Miscellaneous error

## Baxi Duo-tec/Megaflo Error Codes

Fault Code	Possible Cause
E10	Outdoor sensor fault
E20	Central heating thermistor sensor error
E28	Flue thermistor error
E110	Boiler overheat error
E119	Low water pressure error
E125	Primary water circulation error
E131	Flue overheat lockout error
E133	Ignition error
E160 / E161	Fan error
E164	Pressure sensor fault
E167	Printed circuit board (PCB) error
E168	Printed circuit board (PCB) lockout error
E193	Circulation error

**Baxi 200 / 400 Combi Gas Boiler Error Codes**

<b>Fault Code</b>	<b>Possible Cause</b>
<b>H.01 – .00</b>	Loss of communication between gas valve and boiler board. Possible fault in air/gas unit or loose connection to gas valve
<b>H.01 – .05</b>	Difference between the flow and return temperature is too high, sensor error or insufficient circulation
<b>H.01 – .08</b>	Sensor fault, flow temperature increasing too fast in heating mode or insufficient circulation
<b>H.01 – .14</b>	Maximum flow temperature value exceeded or insufficient circulation – temporary fault
<b>H.01 – .18</b>	No water circulation, insufficient circulation or sensor error
<b>H.01 – .21</b>	Temporary error – flow temperature increasing too fast in domestic hot water (DHW) mode, insufficient circulation or sensor error
<b>H.02 – .02</b>	Temporary error – no input of parameters C1/C2. Printed circuit board (PCB) not configured
<b>H.02 – .03</b>	Temporary error- incorrect configuration settings C1/C2
<b>H.02 – .04</b>	Temporary error- parameter fault. Incorrect parameters
<b>H.02 – .06</b>	Temporary error caused by system water pressure, water leak on boiler, water leak on system
<b>H.03 -.00</b>	Temporary error with communication, negative temperature coefficient thermostat (NTC) or flue sensor. The sensor may be unconnected or have a bad connection
<b>H.03 – .01</b>	Communication error with the printed circuit board (PCB)
<b>H.03 – .02</b>	Flame error – no flame during operation
<b>E.00 – .04</b>	Return temperature sensor open-circuit. Sensor not or badly connected
<b>E.00 – .05</b>	Return temperature sensor short-circuit. Sensor not connected or badly connected
<b>E.01 – .02</b>	Temperature measured by return sensor greater than flow sensor
<b>E.01 – .04</b>	Loss of flame detected 5 times in 24 hours (with burner on)
<b>E.01 – .11</b>	Incorrect fan speed – external draught over the boiler or defective gas/air unit
<b>E.01 – .12</b>	Requires reset – temperature measured by return sensor greater than flow temperature
<b>E.01 – .17</b>	Reset the boiler – no circulation, sensor fault either not connected or has a bad connection
<b>E.01 – .20</b>	Maximum flue gas temperature reached. No circulation or sensor fault



<b>E.02 – .00</b>	Reset button has been pressed
<b>E.02 – .07</b>	No or low system water pressure. system pressure less than 0.5bar
<b>E.02 – .16</b>	Permanent fault caused by channel service unit (CSU) time-out or printed circuit board (PCB) damage
<b>E.02 – .17</b>	Loss of communication between gas valve and boiler printed circuit board (PCB) or fault in air/gas unit
<b>E.02 – .19</b>	Jumper 1 changed – check position of jumper 1
<b>E.02 – .20</b>	Jumper 2 changed – check position of jumper 2
<b>E.02 – .21</b>	Jumper 3 changed – check position of jumper 3
<b>E.02 – .47</b>	Wiring to external device error
<b>E.02 – .48</b>	Configuration to external device unsuccessful – check pairing to external device
<b>E.04 – .00</b>	Gas valve error – gas valve not detected
<b>E.04 – .01</b>	Flow temperature sensor short-circuited. Sensor not or badly connected, bad connection or sensor fault
<b>E.04 – .02</b>	Permanent fault. Flow temperature sensor open-circuited, sensor not or badly connected, bad connection or sensor fault
<b>E.04 – .03</b>	Permanent fault. Critical flow temperature reached, non-existent or insufficient circulation
<b>E.04 – .04</b>	Permanent fault. Flue temperature sensor short-circuited, sensor not or badly connected, bad connection or sensor fault
<b>E.04 – .05</b>	Permanent fault. Flue temperature sensor short-circuited, sensor not or badly connected, bad connection or sensor fault
<b>E.04 – .06</b>	Permanent fault. Critical flue gas temperature value reached, no circulation or sensor fault
<b>E.04 – .08</b>	Permanent fault. Maximum safe temperature value reached, safety thermostat open-circuited, no circulation, sensor not or badly connected, bad connection or sensor fault
<b>E.04 – .10</b>	Failure to light (could be gas supply issue)
<b>E.04 – .12</b>	Permanent fault. False flame signal, short-term fluctuation of the mains, ionization current present even though there is no flame, the burner remains very hot (CO2 too high) or defective gas/air unit
<b>E.04 – .13</b>	Permanent fault. Fan rotor blocked, fan seized or wiring to fan damaged
<b>E.04 – .17</b>	Permanent fault. Problem with gas valve or defective gas/air unit

## Baxi 600 Combi Gas Boiler Error Codes

Fault Code	Possible Cause
<b>E09</b>	Gas valve connection cable
<b>E10</b>	External probe fault
<b>E12</b>	Differential water flow switch fault (still open)
<b>E13</b>	Differential water flow switch fault (still closed)
<b>E15</b>	Gas valve command fault
<b>E20</b>	Central heating negative temperature coefficient (NTC) thermostat fault
<b>E28</b>	Flue negative temperature coefficient (NTC) thermostat fault
<b>E40</b>	Central heating return negative temperature coefficient (NTC) thermostat fault
<b>E50</b>	Domestic hot water (DHW) negative temperature coefficient (NTC) thermostat sensor fault (tank boiler) (s.c.) or DHW NTC sensor fault (tank boiler) (o.c.)
<b>E83/E84/E85/E86/E87</b>	No communication
<b>E109</b>	Pre-circulation fault
<b>E110</b>	Boiler max temperature exceeded for gradient (probable pump jammed or air in the circuit) Boiler max temperature exceeded for overtemperature (probable pump jammed or air in the circuit) Safety thermostat sensor tripped
<b>E118</b>	Primary system water pressure too low (< 0.5 bar)
<b>E125</b>	Circulation fault (primary)
<b>E128</b>	Frequent flame failure (12 times)
<b>E129</b>	Safety error for frequently loss of flame with max correction during the ignition during Calibration Function
<b>E130</b>	Flue thermostat sensor tripped (lockout)
<b>E133</b>	Failure to light (could be a gas supply issue)
<b>E134</b>	Elapsed time gas valve open without gas (short request in a short period)
<b>E135</b>	Interruption of gas supply (internal error)
<b>E154</b>	Flow/return sensor temperature test
<b>E160</b>	Fan or fan wiring fault

<b>E163</b>	Domestic hot water (DHW) negative temperature coefficient (NTC) thermostat sensor fault (s.c.) or DHW NTC sensor fault (o.c.)
<b>E270</b>	Circulation fault (dry fire)
<b>E317</b>	Wrong power supply electrical frequency (Hz)
<b>E321</b>	Hot water negative temperature coefficient (NTC) fault
<b>E384</b>	False flame
<b>E385</b>	Under voltage
<b>E430</b>	Water pressure temporary test
<b>E430 + Flame 'crossed'</b>	Water pressure test failed

## Baxi MainEco Error Codes

Fault Code	Possible Cause
<b>1 Green Flash</b>	Boiler temperature reached – no action required
<b>3 Green Flashes</b>	Temporary flame loss – this is a temporary error, the system should reset on its own
<b>4 Green Flashes</b>	Communication error between printed circuit board (PCB) and Control – this is a temporary error, the system should reset on its own
<b>5 Green Flashes</b>	Error on parameter storage unit (PSU) or printed circuit board (PCB) – this is a temporary error, the system should reset on its own
<b>6 Green Flashes</b>	Miscellaneous error
<b>1 Red Flash</b>	Sensor error, sensor fault, temperature fault or flow fault – this is a temporary error, the system should reset on it's own.
<b>2 Red Flashes</b>	Boiler overheat tripped
<b>3 Red Flashes</b>	Ignition fault. Boiler has attempted to light 5 times and failed
<b>4 Red Flashes</b>	Fan Fault
<b>5 Red Flashes</b>	Parameter storage unit (PSU) error
<b>6 Red Flashes</b>	Miscellaneous



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