

Viessmann

Vitogate 200 EIB

Parameter

Error codes

Error byte

Vitogate 200 EIB

The Vitogate 200, type EIB enables the processing of up to 34 communication objects by means of the Vitotronic control units connected by LON within the EIB system. Fault messages from within the heating system are transmitted in the form of an error bit and/or an error byte.

The screenshot shows a software window titled "1.1.1 Vitogate 200 EIB". On the left is a list of data points from "Datenpunkt 1" to "Datenpunkt 27". The main area is titled "Datenpunkt 1" and contains several configuration fields:

- Regelung: V300GW2
- Anlagen Nummer: 1
- Teilnehmer- Nummer: 1
- V300GW2 Dienst: Bedienung A1
- V300GW2 Gruppe Bedienung A1: Betriebsdaten
- V300GW2 Datenpunkt Betriebsdaten: Betriebsart EIS6
- Zykluszeit: nicht zyklisch senden
- max. Abweichung gegenüber zuletzt gesendeten Wert: nie senden

At the bottom are buttons for "OK", "Abbrechen", "Standard", "Info", and "Hilfe".

The following parameters can be selected for each communication object:

1. Control unit
2. System number
3. Subscriber number
4. Service
5. Group
6. Data point
7. Cycle time*)
8. Max. deviation compared to last transmitted value

***) The setting for cyclical transmission is only possible with data point 32. This data point provides the time limited analysis of a control value.**

Data points to be described via the EIB should always be set to 'never send'.

If these data points should also be simultaneously readable, set them up a second time for reading.

To keep the BUS load as low as possible, never transmit more than 16 data points in the case of a change.

Error code + description of the Viessmann control units

additional error codes please see installation and service instructions for the respective control

00 System without faults

0F Service system

10 Short circuit, outside temperature sensor

18 Lead break, outside temperature sensor

20 Short circuit, flow temperature sensor HC1/system

28 Lead break, flow temperature sensor HC1/system

30 Short circuit, boiler water temperature sensor

38 Lead break, boiler water temperature sensor

40 Short circuit, flow temperature sensor heating circuit2

41 Short circuit, return temperature sensor heating circuit2

44 Short circuit, flow temperature sensor heating circuit3

45 Short circuit, return temperature sensor heating circuit3

48 Lead break, flow temperature sensor heating circuit2

49 Lead break, return temperature sensor heating circuit2

4C Lead break, flow temperature sensor heating circuit3

4d Lead break, return temperature sensor

50 Short circuit, cylinder temperature sensor

51 Short circuit, cylinder temperature sensor 2

58 Lead break, cylinder temperature sensor

59 Lead break, cylinder temperature sensor 2

60 Short circuit, return temperature sensor 17

68 Lead break, return temperature sensor 17

70 Short circuit, return/flow temperature sensor 17B

78 Lead break, return/flow temperature sensor 17B

92 Solar: short circuit, collector temperature sensor

93 Solar: short circuit, collector return temp. sensor

94 Solar: short circuit, cylinder temperature sensor

9A Solar: lead break, collector temperature sensor

9B Solar: lead break, collector return temp. sensor

9C Solar: lead break, cylinder temperature sensor

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9F Solar: gen. error message
A7 Fault, programming unit (clock module)
AE Internal error, mixer
AF Internal error, mixer
B0 Short circuit, flue gas temperature sensor
B1 Communication error, programming unit (internal)
B4 Internal error
B5 Internal error
B6 Internal error, invalid hardware recognition
B7 Internal error boiler coding card
B8 Lead break, flue gas temperature sensor
BA Error, mixer module (KM BUS)
BC Error, Vitotrol heating circuit1 (KM BUS)
Bd Error, Vitotrol heating circuit2 (KM BUS)
BE Error, Vitotrol heating circuit3 (KM BUS)
BF Incorrect LON module
C1 External fault message, boiler
C2 Communication error, solar control unit (KM BUS)
C5 Error, variable speed pump, heating circuit1 (KM BUS)
C6 Error, variable speed pump, heating circuit2 (KM BUS)
C7 Error, variable speed pump, heating circuit3 (KM BUS)
C8 Error, water level limiter
C9 Error, maximum pressure
CA Error, minimum pressure/Error maximum pressure 2
Cb Error, maximum pressure 2
CC Reserved, external periphery
CD Communication error, Vitocom 300 (KM BUS)
CE Communication error, fault message module (KM BUS)
CE Communication error, connection extension (KM BUS)
CF Communication error: LON – module for controller module

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D1 Burner fault, boiler
D4 HLSC fault, boiler
D5 Cascade: Boiler does not respond
D6 External fault 1, plug-in adaptor
D7 External fault 2, plug-in adaptor
D8 External fault 3, plug-in adaptor
DA Short circuit, room temperature sensor, heating circuit1
DB Short circuit, room temperature sensor, heating circuit2
DC Short circuit, room temperature sensor, heating circuit3
DD Lead break, room temperature sensor, heating circuit1
DE Lead break, room temperature sensor, heating circuit2
DF Lead break, room temperature sensor, heating circuit3
E0 Error, external subscriber / appliance on the LON
E4 Error, supply voltage
E5 Internal error, burner control unit
E6 Balanced flue system blocked
E6 Fault, feedback, oil preheater (for the Vitoplus)
F0 Communication error, burner control unit
F1 Flue gas temperature limiter has responded
F2 Temperature limiter has responded
F3 Flame signal is already present at burner start
F4 No flame signal detected
F5 Air pressure switch not open at burner start or not closed when ignition load is reached
F6 Gas pressure switch not open at burner start or not closed after the flame has stabilised
F7 Air pressure sensor, sensor short circuit or offset value outside tolerance
F8 Fuel valve closes too late
F9 Fan speed too low at burner start
FA Fan speed too high at burner start
FC Modulation valve control faulty
FD Fault, burner control unit

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FE Boiler coding card faulty or incorrect, or EMC fault

FF Internal error

Description, data point 'Error byte' (ETS)

The 'Error byte' data point is a 4 byte value without prefix.

1.) Error message at the error manager

[80	Byte 0	Byte 1	Byte 2	Byte 3]
[80	System number	Subscriber number		Error code (hexadecimal)
Example	01	01	00	38
				Lead break Boiler water temp. sensor

2.) Error manager failure

[80	Byte 0	Byte 1	Byte 2	Byte 3]
[80	System number	Subscriber number	Subscriber with error	Error code (hexadecimal)
Example	01	01	01	00
			Error, subscriber 01 0x01 (hexadecimal), 1 (decimal)	

2.) Error message at one connected LON subscriber

[80	Byte 0	Byte 1	Byte 2	Byte 3]
[80	System number	Subscriber number	Subscriber with error	Error code (hexadecimal)
Example	01	01	0A	EO
			Error, subscriber 10 0x0A (hexadecimal), 10 (decimal)	Error, external Subscriber / Appliance on the LON