

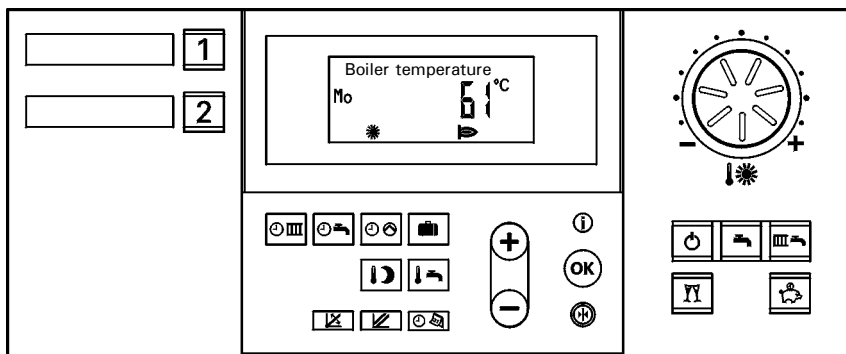
## Vitotronic 200, Part No. Z001 230

The Vitotronic 200 Quick Reference Guide is an introduction to the basic functions and operating principles of the Vitotronic 200 control. For more detailed information on the installation, operation and service as well as safety and warranty requirements of the Vitotronic 200, reference the instructions included in the Technical Literature package shipped with the control.



Vitotronic 200  
Installation, Operating  
and Service Instructions

### Overview of Controls and Indicators



- High temperature (boiler) heating circuit switch
- Low temperature (mixing valve) heating circuit switch
- Standby operation - no heating or domestic hot water production
- DHW production only - summer operation
- Space heating and DHW production - winter operation
- Normal (daytime) room temperature
- Reduced (nighttime) room temperature
- Party mode (temporary override of reduced temperature mode)
- Energy saving mode (temporary override of normal temperature mode)

### Display Settings

#### Contrast Adjustment

1. To adjust the contrast setting, press and hold and use or to set contrast to desired setting.

#### Language Selection

1. Press or to select desired heating circuit.
2. Press . Scan operating data with or until desired language appears.
3. Press to confirm language selection and press to exit.

#### Switching from °C to °F

1. Press and hold buttons and to access coding level 2. Coding address flashes.
2. Press until address "88:00" appears. Press and press for "88:01" to appear. Confirm temperature unit selection by pressing .
3. Press and hold and to exit coding level 2.

## Room Temperature Settings

### ☀ Normal room temperature setting

**Factory default setting:**

Normal room temp. is maintained at 68°F/20°C from 06:00 to 22:00 hrs.

**To change normal room temperature**

1. Press **1** or **2** to select desired heating circuit.
2. Rotate the **☀** dial until desired normal room temperature is displayed.

### ☾ Reduced room temperature setting

**Factory default setting:**

Reduced room temp. is maintained at 37°F/3°C from 22:00 to 06:00 hrs.

**IMPORTANT**

**Ensure that this setting is elevated before leaving the jobsite.**

**To change normal room temperature**

1. Press **1** or **2** to select desired heating circuit.
2. Press **☾** and adjust temperature using **+** or **-**.
3. Press **OK** to confirm.



To alternate time program settings refer to pages 15 and 16 in the Vitotronic 200 Operating Instructions .

## Domestic Hot Water Temperature Setting

**Factory default setting:**

122 °F/50 °C from 05:30 to 22:00 hrs. DHW production is disabled from 22:00 to 5:30 hrs.

**To change DHW setpoint temperature**

1. Press **☾** and use **+** or **-** to set DHW temperature to desired value.
2. Press **OK** to confirm setting.

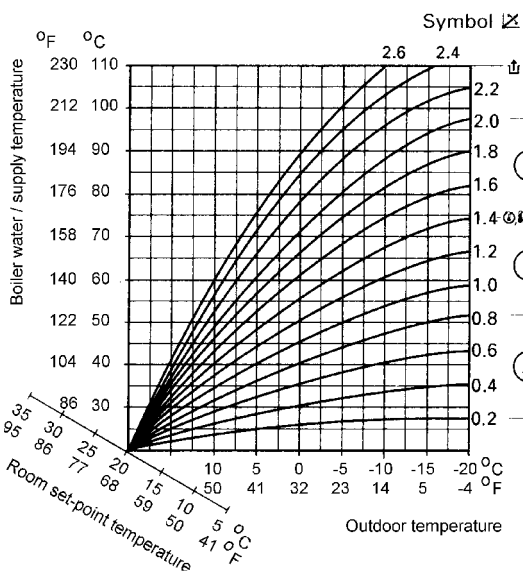


To alternate time program settings for DHW production refer to pages 17 to 20 in the Operating Instructions.



For time program settings of DHW recirculation pump see pages 21 and 22 in the Operation Instructions.

## Heating Curve Adjustment



**High temperature heating system, e.g. fin tube radiation, fan coils**

**Medium temperature heating system, e.g. cast iron radiation, staple-up radiant floor heating**


**Low temperature heating system, e.g. radiant floor heating**

1. Press **1** or **2** to select heating circuit.
2. Press heating curve slope button **☒** and adjust slope by pressing **+** or **-**.
3. Press **OK** to confirm slope adjustment.
4. Repeat steps 1 to 3 using the shift button **☒** to adjust heating curve shift.
5. Repeat steps 1 to 3 for other heating circuit (if applicable).

## Time Programs

### Time program for central heating

#### Factory default setting:

 Normal room temperature setting is maintained from 06:00 to 22:00 hrs.

 Reduced room temperature setting is maintained from 22:00 to 06:00 hrs.



*To change time program setting see pages 15 and 16 in the Operating Instructions.*

### Time program for DHW production

#### Factory default setting:

DHW production to desired temperature from 05:30 to 22:00 hrs.  
DHW production disabled from 22:00 to 05:30 to hrs.

#### DHW time program modes:

- Automatic mode: DHW production takes place parallel to the central heating time program, but starts 30 minutes earlier.
- Individual mode: operator can change time program to suit requirements. When timer is set to ON 0:00 OFF 24:00 hrs DHW production is possible 24 hours/day, seven days/week.



*To change time program setting see pages 17 to 20 in the Operating Instructions.*

### Time program for DHW recirculation pump operation

#### Factory default setting:

DHW recirculation pump activated from 06:00 to 22:00 hrs.  
DHW recirculation pump deactivated from 22:00 to 06:00 hrs.

#### DHW recirculation pump time program modes:





- Automatic mode: pump operation parallel to DHW time program.
- Individual mode: operator can change time program to suit requirements.










*To change time program setting see pages 21 and 22 in the Operating Instructions.*

## Energy Saving and Party Mode

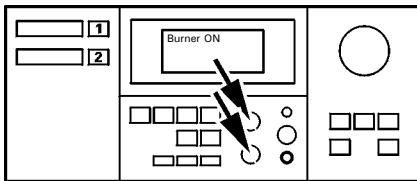
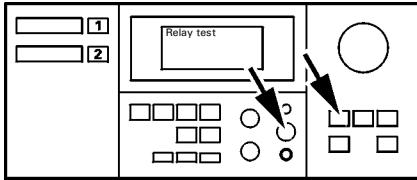
### Energy Saving Mode

1. Press  or  to select heating circuit.
2. Press  to activate the energy saving mode, reducing the room temperature by 4° F/2.2 °C.
3. To exit the energy saving mode press  again or wait until time program switches to the reduced temperature mode.

### Party Mode

1. Press  or  to select heating circuit.
2. Press  to active the party mode. Reduced temperature time program mode is overridden.
3. To alter the room temperature in the party mode:
  - select desired room temperature using  or .
  - Press  to confirm.
4. To exit the party mode press  again or wait until time program switches to the normal temperature mode.

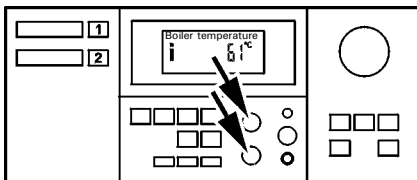
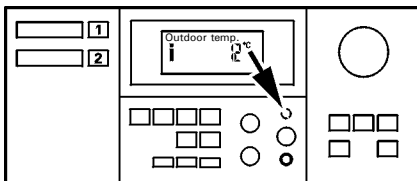
## Relay Test



Page 31 in the Service Instructions

1. Press **[1]** and **[OK]** simultaneously for approx. 2 seconds to access relay test.
2. Perform individual relay test using **[+]** or **[-]** button.  
Check burner, heating pumps 1 and 2, mixing valves rotation direction, DHW pump and DHW recirculation pump operation.
3. Physically verify that each component is operating correctly before proceeding.
4. Press **[OK]** to terminate relay test.

## Operating Status



Page 32 in the Service Instructions



1. Press **[1]** or **[2]** to select heating circuit.
2. Press **[i]**.
3. View current operating data by pressing buttons **[+]** or **[-]**.

Data such as the following operating settings can be accessed:

- outdoor temperature
- supply (heating circuit 2) temperature
- boiler water temperature
- time
- date
- burner operating status
- pump status
- language

## Coding Addresses

The following is an overview of commonly used coding addresses of the Vitotronic 200 control. For a complete listing of all coding addresses, please see page 84 of the Vitotronic 200 Service Instructions.

To access and exit coding level 2 press  and  simultaneously and hold.  
Note that all codings can be changed via coding level 2.

Function	Factory default setting Address: Value	Possible change Address: Value	System Recognition
System type	00 : 1 High temperature circuit, no mixing valve, no DHW storage tank	00 : 2 High temperature htg. with DHW tank 00 : 3 Low temperature htg., mix. valve only 00 : 4 Low temp. htg., mix. valve and DHW tank 00 : 5 High temp. and mixing valve heating 00 : 6 High temp. htg. mixing valve and DHW tank	automatic* <sup>1</sup> manual manual automatic automatic

\*<sup>1</sup>Coding address is automatically changed when DHW sensor #5 or strap-on sensor #2 are plugged in.

### Boiler control functions

See pages 44 to 46 in the Vitotronic 200 Service Instructions for a detailed description of all boiler functions.

Function	Factory default setting Address: Value	Possible change Address: Value
Switching hysteresis for the burner	04 : 0 Fixed switching hysteresis 7°F/4°C	04 : 1 Heat demand-controlled switching hysteresis variable between 11 and 22°F/6 and 12°C. 04 : 2 Heat demand-controlled switching hysteresis variable between 11 and 36°F /6 and 20°C.
Differential temperature of boiler above that of mixing valve circuit	05 : 8 Boiler temperature differential 15 °F/-9.1 °C above mixing valve curve	05 : 0 Boiler differential temperature variable to 05 : 40 approx. 1.8°F)
Maximum operating hours for service display	21 : 0 No monitoring of burner operating hours for "Service" display	21 : 1 The number of burner hours run before the "Service" display appears can be set between 1 and 9999 hours (when the preselected number of burner hours run is exceeded, coding "24 : 0" is automatically set to "24 : 1"). 21:9999
Time interval for service display	23 : 0 No time interval for burner maintenance	23 : 1 Time interval variable between 1 and 24 months (when the time interval is exceeded, coding "24 : 0" is automatically set to "24 : 1"). 23 : 24
Service display	24 : 0 No "Service" display	24 : 1 The "Service" display appears (address is set automatically and must be reset manually after maintenance has been performed)

## Quick Reference Guide

### Coding Addresses (continued)

#### Domestic hot water functions

See pages 53 to 57 in *Vitotronic 200 Service Instructions* for a detailed description of all DHW functions.

Function	Factory default setting Address: Value	Possible change Address: Value
Activation of DHW pump	61 : 0 The DHW pump is switched on as a function of the boiler temperature	61:1 The DHW pump is switched on immediately
Switch-off delay of DHW pump	62 : 10 Circulation pump with max. switch-off delay of 10 minutes	62:0 Circulation pump without switch-off delay 62:1 Switch-off delay variable from 1 to 15 minutes 62:15
Tank priority control	A2 : 2 With tank priority over heating circuit pump and mixing valve (heating circuit pump OFF, mixing valve closed)	A2 : 0 Without tank priority (heating circuit pump ON and mixing valve in control mode)
		A2 : 1 With tank priority over mixing valve (heating circuit pump ON, mixing valve closed)
		A2 : 3 Reduced tank priority over mixing valve; i.e. the heating circuit is supplied with a reduced amount of heat A2 : 15
Adaptive tank heating	55 : 0 Tank heating hysteresis $\pm 4.5^{\circ}\text{F}/2.5^{\circ}\text{C}$	55 : 1 Adaptive tank heating active (the rate at which the tank temperature increases is taken into account.)

#### Mixing valve circuit 2

See pages 57 to 52 in *Vitotronic 200 Service Instructions* for a detailed description of all heating circuit functions.


System dynamics – mixing valve circuit	C4 : 1 Mixing valve circuit with 4-way mixing valve	C4 : 0 Mixing valve circuit with 3-way mixing valve C4 : 2 Special case 1 C4 : 3 Special case 2
Maximum supply temperature limit for heating circuit with mixing valve	C6 : 75 Maximum supply temperature limit set to 167°F/75°C.	C6 : 1 Max. supply temperature limit variable between 34 and 262°F / 1 and 127°C C6 : 127
Slab curing function	F1 : 0 Slab curing function not active	F1 : 1 Slab curing function selectable based on four temperature/time curves (see Service Instructions, page 52) F1 : 4

#### Remote control

Boiler circuit/mixing valve circuit Note: each remote control must be assigned to either circuit 1 or 2.	A0 : 0 Without remote control	A0 : 1 With Vitotrol 200 remote control A0 : 2 With Vitotrol 300 remote control
Remote control function	B1 : 0 Without room temperature sensing	B1 : 1 In conjunction with remote control: Heating circuit with room temperature dependent control

## Coding Addresses (continued)

### Switching Module-V

Function	Factory default setting Address: Value	Possible change Address: Value
Boiler water temperature setpoint (pool, spa, snowmelting applications)	32 : 70 Minimum boiler water temperature setpoint value 158°F/70°C with external heat demand signal	32 : 0 Minimum boiler water temperature setpoint value variable between 32 and 26°F/0 and 127°C; note adjustment of adjustable high limit  . to 32: 127

### Party mode

Time limit for party mode	F2 : 0 No time limit for party mode	F2 : 1 Time limit for party mode between one and twelve hours to F2: 12
---------------------------	-------------------------------------	---

## Quick Reference

°C	°F
-40	-40
-35	-31
-25	-13
-20	-4
-18	0
-16	+3
-14	+7
-12	+10
-10	+14
-9	+16
-8	+18
-7	+19
-6	+21
-5	+23
-4	+25
-3	+27
-2	+28
-1	+30
0	+32
+1	+34
+2	+36
+3	+37
+4	+39
+5	+41
+6	+43
+7	+45
+8	+46
+9	+48
+10	+50
+12	+54
+14	+57
+16	+61
+18	+64
+20	+68
+25	+77
+30	+86
+35	+95
+40	+104
+50	+122
+60	+140
+70	+158
+80	+176
+90	+194
+100	+212
+110	+230

Printed on environmentally friendly  
(recycled and recyclable) paper.



5285 235 v1.1 Technical information subject to change without notice.

Viessmann Manufacturing Company (U.S.) Inc.  
45 Access Road  
Warwick, Rhode Island • 02886 • USA  
Tel. (401) 732-0667 • Fax (401) 732-0590  
www.viessmann-us.com • mail@viessmann-us.com

Viessmann Manufacturing Company Inc.  
750 McMurray Road  
Waterloo, Ontario • N2V 2G5 • Canada  
Tel. (519) 885-6300 • Fax (519) 885-0887  
www.viessmann.ca • mail@viessmann.ca