

Operating instructions for the system user

VIESMANN

Digital time switch
for the Vitodens 100-W



Digital time switch



Safety instructions

For your safety



Please follow these safety instructions closely to prevent accidents and material losses.

Safety instructions explained



Danger

This symbol warns against the risk of injury.



Please note

This symbol warns against the risk of material losses and environmental pollution.

Note

Details identified by the word "Note" contain additional information.

Target group

These operating instructions are for the heating system user.

This unit is **not** designed to be used by persons (including children) with limited bodily, sensory or mental capacities, or lacking experience and/or lacking knowledge, unless they are supervised by a person responsible for their safety, or have received instructions from such a person as to how to use the unit.



Please note

Children should be supervised. Ensure that children do not play with the unit.



Danger

Incorrectly executed work on the heating system can lead to life-threatening accidents.

- Work on gas appliances must only be carried out by a registered gas fitter.
- Work on electrical equipment must only be carried out by a qualified electrician.

If you smell gas



Danger

Escaping gas can lead to explosions which may result in serious injury.

- Do not smoke. Prevent naked flames and sparks. Never switch lights or electrical appliances ON or OFF.
- Close the gas shut-off valve.
- Open windows and doors.
- Remove all people from the danger zone.
- Notify your gas or electricity supplier and your heating contractor from outside the building.
- Shut off the electricity supply to the building from a safe place (outside the building).

For your safety (cont.)

If you smell flue gas



Danger

Flue gas can lead to life-threatening poisoning.

- Shut down the heating system.
- Ventilate the boiler room.
- Close all doors in the living space.

In case of fire



Danger

Fire creates the risk of burning and explosions.

- Shut down the heating system.
- Close the shut-off valves of the fuel lines.
- Use a tested fire extinguisher, class ABC.

Boiler room requirements



Please note

Incorrect ambient conditions can lead to damage to the heating system and put the safe operation at risk.

- Ensure ambient temperatures above 0 °C and below 35 °C.
- Prevent air contamination by halogenated hydrocarbons (e.g. as contained in paints, solvents or cleaning fluids) and excessive dust (e.g. through grinding/polishing work).
- Avoid continuously high humidity levels (e.g. through frequent drying of washing).
- Never close existing ventilation apertures.

Ancillary components, spare and wearing parts



Please note



Components that are not tested with the heating system may lead to damage to the heating system, or may affect their various functions.

Installation or replacement work must only be carried out by qualified personnel.

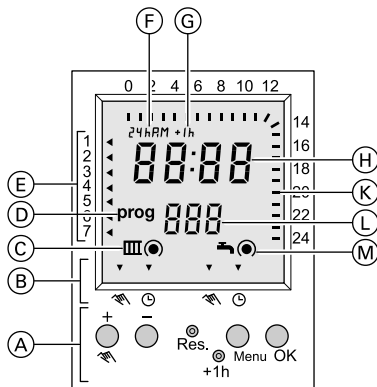
Where to find the controls



Summary of controls and indicators

On the time switch, different start and stop times can be set for central heating and DHW heating.

Central heating  is switched by time switch channel 1 (Ch1) and DHW heating  by time switch channel 2 (Ch2).

During operation, the current time and day of the week are shown. The display alternately shows the switching states (ON/OFF) of both channels and the set switching times.





- (A) User interface
- (B)  Manual mode
- (C)  Automatic mode
- (C) Central heating display:
 - ON
 - OFF
- (D) Programming mode display
- (E) Day (programming mode: applicability of a switching time)
- (F) Time format display
- (G) Summertime display
- (H) Time
- (K) Display of switching times for the day. The display alternates regularly between central heating (Ch1) and DHW heating (Ch2)

- (L) Time switch channel display (programming mode: number of a switching time)

- (M) DHW heating display:

- ON
- OFF

Controls

- + Selection key and central heating  changeover between manual and automatic mode
- Selection key and DHW heating  changeover between manual and automatic mode
- Menu Input/display switching times (individual time programs)
- OK Confirmation
- Res. Change the default time programs (initial installation)
- +1h Summer/wintertime changeover

Commissioning (setting the time and switching program)

The current day of the week, time and required switching program are set during the initial installation.

There are 3 preset switching programs. You can accept one of the programs or alter it to suit your requirements. You can also create an individual program.

Note

Select the switching program that most closely matches your requirements. Individual switching times can still be changed, added and deleted later via the menu.

A switching program can contain up to 10 start times and 10 stop times.

The switching times can be valid for a single day, every day or a group of days (weekdays, weekend):

- Single day
- Monday to Friday
- Monday to Saturday
- Saturday and Sunday

Overview of the preset programs

The switching times apply to every day of the week. Central heating **and** DHW heating take place in the specified periods.

P01 Daily from 06:00 to 22:00 h

P02 Daily from 07:00 to 12:00 h and
from 14:00 to 20:00 h

P03 Daily from 07:00 to 12:00 h, 14:00
to 18:00 h and 20:00 to 22:00 h

Accepting a preset program

Press the following keys

1. Res. Date format **"24h"** flashes
2. +/- Select date format **"24h"** or **"AM/PM"**
3. OK **"00"** (hour) flashes

4. +/- Set the current hour

Note

Wintertime is entered here. You can change over to summertime later by pressing "+1h" (in the main menu).

5. OK **"00"** (minutes) flashes

6. +/- Set the current minutes



Settings

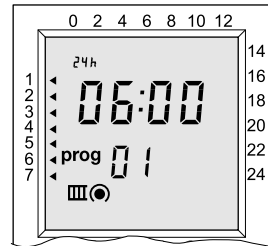
Commissioning (setting the time and switching... (cont.)

- | | | | |
|--------|--|----------|--|
| 7. OK | The setting for the current day appears | 10. +/- | Select preset program "01" , "02" or "03" |
| 8. +/- | Select the current day (1= Monday, 7 = Sunday) | 11. OK | Confirm entry |
| 9. OK | "P 01" (program 1) appears. "01" flashes | 12. Menu | Finish setting |

Adapting a preset program

Press the following keys



- | | | | |
|---------|---|---------|---|
| 1. Res. | Date format "24h" flashes | 10. +/- | Select preset program "01" , "02" or "03" |
| 2. +/- | Select date format "24h" or "AM/PM" | 11. OK | "prog 01" appears. "01" (first start time of the program set in step 10) flashes. |
| 3. OK | "00" (hour) flashes | | |
| 4. +/- | Set the current hour | | |
| | Note
<i>Wintertime is entered here. You can change over to summertime later by pressing "+1h" (in the main menu).</i> | | |
| 5. OK | "00" (minutes) flashes | | |
| 6. +/- | Set the current minutes | | |
| 7. OK | The setting for the current day appears | | |
| 8. +/- | Select the current day (1= Monday, 7 = Sunday) | | |
| 9. OK | "P 01" (program 1) appears. "01" flashes | | |



Example: Central heating starts daily at 06:00 h.

Note
The program number is no longer displayed.

Commissioning (setting the time and switching... (cont.))

- 12. +/-** Select the start time to be changed
- Note**
A start time (odd number and circle symbol filled in) is always followed by a stop time (even number and circle symbol empty). For the preset programs, the switching times for central heating  (Ch1) are followed by the switching times for DHW heating  (Ch2). To add a new switching time, select the highest number ("—:—" will be displayed).
- 13. OK** The start time (hour) flashes
- 14. +/-** Change the hour
- Note**
If you want to delete the start time as well as the associated stop time, select "—" and proceed from step 27.
- 15. OK** Minutes flash
- 16. +/-** Change the minutes of the start time
- 17. OK** The setting for the days of the week appears
- 18. +/-** Select the day or group of days (1= Monday, 7 = Sunday)
- 19. OK** The time switch channel flashes ("Ch1" for central heating; "Ch2" for DHW heating)
- 20. +/-** Change the time switch channel
- 21. OK** The display changes to the stop time (circle symbol empty).
The stop time (hour) flashes
- 22. +/-** Change the hour
- 23. OK** Minutes flash
- 24. +/-** Change the minutes of the stop time
- 25. OK** The setting for the days of the week appears
- 26. +/-** Accept the start time setting (switching off on the same day) or postpone by a day (switching off the following day).
- 27. OK** The next start time flashes. To change further switching times, proceed from step 12.
- 28. Menu** Finish setting

Settings

Commissioning (setting the time and switching... (cont.)

Entering an individual program

The procedure is the same as for "Adapting a preset program".

For step 10, select program "—" and enter the required switching times.

Setting summer/wintertime

Press "+1h".

The display shows "+1h". The time changes to summertime.

Setting the time and day

The time and day are usually set during commissioning. You can correct the settings as follows:

Press the following keys

- | | | | |
|----------------|---|-------------------------|--|
| | 6. +/- | Set the current minutes | |
| 1. Menu | Date format "24h" flashes | 7. OK | The setting for the current day appears |
| 2. +/- | Select date format "24h" or "AM/PM" | 8. +/- | Select the current day (1= Monday, 7 = Sunday) |
| 3. OK | Hour flashes | 9. OK | Confirm entry |
| 4. +/- | Set the current hour | 10. Menu | Finish setting |
| 5. OK | Minutes flash | | |

Changing, adding and deleting switching times

You can change the set time program to suit your requirements. You can add, change or delete switching times.

Changing, adding and deleting switching times (cont.)

Press the following keys

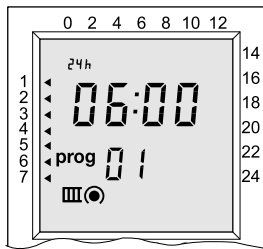
1. Menu Date format "24h" flashes

2. OK "00" (hour) flashes

3. OK "00" (minutes) flashes

4. OK The setting for the current day appears

5. OK "prog" appears. "01" (first start time) flashes.



Example: Central heating starts daily at 06:00 h.

6. +/- Select the start time to be changed

Note

A start time (odd number and circle symbol filled in) is always followed by a stop time (even number and circle symbol empty).

To add a new switching time, select the highest number ("—:—" will be displayed).

7. OK The start time (hour) flashes

8. +/- Change the hour

Note

If you want to delete the start time as well as the associated stop time, select "—" and proceed from step 21.

9. OK Minutes flash

10. +/- Change the minutes of the start time

11. OK The setting for the days of the week appears

12. +/- Select the day or group of days (1= Monday, 7 = Sunday)

13. OK The time switch channel flashes ("Ch1" for central heating; "Ch2" for DHW heating)

14. +/- Change the time switch channel

15. OK The display changes to the stop time (circle symbol empty). The stop time (hour) flashes

16. +/- Change the hour

17. OK Minutes flash

18. +/- Change the minutes of the stop time

19. OK The setting for the days of the week appears

Settings

Changing, adding and deleting switching times (cont.)

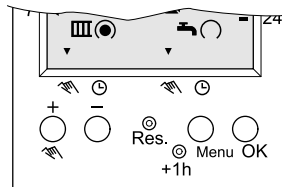
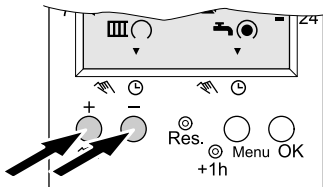
20. +/- Accept the start time setting (switching off on the same day) or postpone by a day (switching off the following day).
21. OK The next start time flashes. To change further switching times, proceed from step 6.
22. Menu Finish setting

Manual start-up/shutdown

You can intervene in the active switching program.

Central heating OFF, DHW heating ON

Central heating ON, DHW heating OFF



Central heating III can be changed over with "+".

DHW heating can be changed over with "-".

The time switch returns to automatic mode the next time the key is pressed or at the next switching time.



Your contact

Contact your local contractor if you have any questions regarding the maintenance and repair of your system. You may, for example, find local contractors on the internet under www.viessmann.com.

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