

Operating instructions

for system users



Digital time switch

for Vitodens 100

For your safety



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

In an emergency

- Immediately isolate the mains electrical supply, e.g. by removing a separate mains fuse or by means of a mains electrical isolator (unless you smell gas).
- In case of fire, use an appropriate fire extinguisher.

Work on the equipment

Installation, initial start-up, inspection, maintenance and repairs must only be carried out by a competent person (heating engineer/installation contractor).

Before working on the equipment/heating system, isolate the mains electrical supply (e.g. by removing a separate mains fuse or by means of a mains electrical isolator) and safeguard against unauthorised reconnection.

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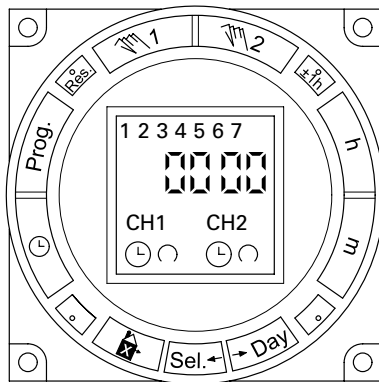
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Function description

At the time switch, different ON and OFF switching times can be adjusted for DHW and central heating. Central heating is controlled via time switch channel 1 (CH1) and DHW heating via time switch channel 2 (CH2). You can select a factory-set or individual programs.

You can adjust up to 42 ON or OFF switching times. The switching times can be set the same for every day or separately for each day of the week.

Controls and displays



Displays

- 1 2 3... Days of the week
- CH1/CH2 Display time switch channel
- Manual mode:
 - ON
 - OFF
 - ⌚ Automatic mode
 - ⌚ Permanently OFF
 - Permanently ON

Controls

- 1 Selector Manual/Automatic channel 1
- 2 Selector Manual/Automatic channel 2
- ± 1h Summer/winter time changeover
- h Input hours
- m Input minutes
- Day Day of the week
- Sel. Confirmation
- Holiday program
- ⌚ Input time
- Prog. Input switching times
- Res. Reset

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Time programs

You can select a preset time program or create your own individual programs.

Preset time program

The preset time program applies to both time switch channels.

Monday to Friday:

06:00 h ON ●

22:00 h OFF ○

Saturday and Sunday:

07:00 h ON ●

23:00 h OFF ○

Note

You can change the switching times of the factory-set time programs individually.



Individual time programs

You can select 42 common ON and OFF switching times for every day or individual times for each day.

Setting the time and day

1. Press **Res.**
The days of the week flash and **0000** is displayed.
2. If you want to change the display format to AM/PM, press keys **± 1h** and **h** simultaneously.
3. Hold key **⏻** down for the next setting steps.
4. Enter the current hour with **h**.
5. Enter the current minute with **m**.
6. Enter the current day with **Day**.
7. Release key **⏻**.
The set time program (see page 4) is activated.

Setting up individual switching times


1. Press **Prog.** until --:-- is displayed (available memory location).
 2. Select the required channel and function with  1 or 2 .
● = Start time
○ = Off time
 3. Enter the required hour with **h**.
 4. Enter the required minute with **m**.
- The same switching time for every day: Continue with item 5.
Not the same switching time for every day: Continue with item 6.
5. Press **Prog.** The switching time is now saved.

or
 6. Select a day with **Day**, when the switching function should **not** be implemented.
 7. Confirm the selected day with **Sel**. The day of the week flashes.
 8. Delete the day of the week with **Day**.

Repeat steps 6 to 8 for every day that you want to delete.

9. Save the switching time with **Prog**. The next available memory location will then be displayed.

or


10. Save the switching time with .
The current time will be displayed.

Repeat steps 1 to 10 for all additional switching times.

Please note

Missing details are displayed as flashing symbols.

Please note

Any switching time not saved with  will be saved automatically after approx. 90s.

Please note

If a function change does not display correctly at first, it will be activated when the next changeover period occurs.

Setting up individual switching times (cont.)

Changing switching times

1. Press **Prog.**, until the required switching time is displayed.
2. Continue with **Setting up individual switching times** steps 1 to 10.

Setting summer/winter time

You change the time to summer or winter time with key **+1h**.

- Pressing **+1h** advances the time by one hour.
The display shows **+1h**.
- Pressing **+1h** again retards the time one hour.

Displaying switching times

Press **Prog.** until the required switching times are displayed. After the allocated memory locations, --:-- will be displayed.

Pressing **Prog.** again displays the number of available memory locations that are still available, e.g. FR 29.

Deleting switching times

1. Select the required switching time with **Prog.**
2. Press **h** until --:-- is displayed.
3. Press **m** until --:-- is displayed.
4. Press \odot for approx. 3s.
The current time will be displayed.

Holiday program

In the holiday program, switching times and functions can be entered for a certain period (1 to a max. of 99 days), which deviate from the standard time program (e.g. central heating permanently OFF).

Setting special switching times for a holiday program

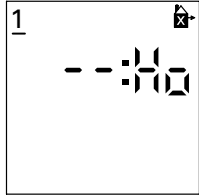
Select the required switching times and functions as described in section **Setting up individual switching times**.

Prior to saving with **Prog.** or \odot : press \boxtimes .

Start and duration of the holiday program

1. After entering the switching times, press \boxtimes 1 x.

The display shows:



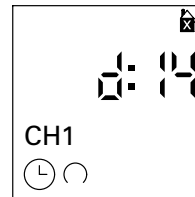
2. If the holiday program should commence at a later date than the current one (max. 6 days later), select the day for the start of the holidays with **Day**. For example enter **6**, if the holiday program is to start on Saturday.

If the holiday program is to be implemented without time limit, ignore step 3.

3. Enter the required number of holidays with **Sel.**

4. Save the inputs with \odot .

If the current day was entered as the start of the holidays, the following may, for example, be displayed:



By pressing and holding down \odot you can scan the current day of the week, time and switching state.


The current time will be redisplayed after the holiday program has terminated.


The current time will be displayed, if a later date was entered as the start of the holidays.

The holiday program will then be started at the first day of the holidays at 0:00 h.



Setting up individual time programs (cont.)




Terminating a holiday program




If the holiday program has already started:
Select the switching times concerned and press  1 x.




If the holiday program has not yet begun:
Select the switching times concerned and press  2 x.

Changeover – automatic mode/constantly ON/constantly OFF

With  1 and 2 , you can toggle between:

-  Automatic mode
-  OFF
-  ON

-  Manual mode (cancelled by the next changeover)
-  OFF
-  ON

-  Constant operation (not cancelled by time programs)
-  Permanently OFF
-  Permanently ON

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