

DZ 20-A V2



(DE)

ZEITSCHALTUHR

Bedienungs- und Sicherheitshinweise

(NL)

TIJDSCHAKELKLOK

Bedienings- en veiligheidsinstructies

(ES)

RELOJ TEMPORIZADOR

Instrucciones de utilización y de seguridad

(GR)

ΧΡΟΝΟΔΙΑΚΟΠΤΗΣ

Υποδείξεις χειρισμού και ασφαλείας

(GB)

TIMER SWITCH

Operation and Safety Notes

(SE)

KOPPLINGSUR

Bruksanvisning och
säkerhetsanvisningar

(HU)

IDŐZÍTŐ KAPCSOLÓ

Kezelési és biztonsági utalások



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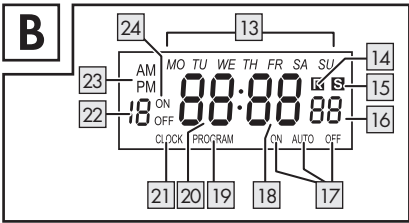
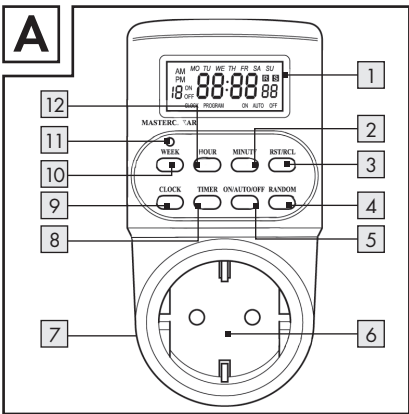
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List of pictograms used:



Observe the warning and safety instructions!



Attention! Risk of electric shock!



Do not dispose of electric equipment in the household waste!



Use indoors

-10T40

Ambient temperature

μ

Micro-switch with a contact opening width of < 3 mm





Timer Switch

Digital – for indoors

● Introduction

● Intended use



The device is intended as a digital weekly timer switch for use in enclosed, dry rooms and designed for private use. It is not suitable for commercial use. Only operate the device individually. Do not connect several timer switches in series. Any other use is considered improper. The manufacturer is not liable for damages due to improper use. Read the entire instructions for use before using the device. Keep these instructions for use. Include the instructions for use when passing the device on.



● Control elements (Fig. A)

- 1 LCD display
 - 2 MINUTE button
 - 3 RST / RCL button
 - 4 RANDOM button
 - 5 ON / AUTO / OFF button
 - 6 Socket
 - 7 Plug (reverse)
 - 8 Timer button
 - 9 CLOCK button
 - 10 WEEK button
 - 11 MASTERCLEAR button
 - 12 HOUR button
- 
- 

LCD display (Fig. B)



- 13 Weekday display
- 14 R symbol
- 15 S symbol
- 16 Seconds display
- 17 ON - AUTO - OFF

- 18 Minutes display
- 19 PROGRAM
- 20 Hours display
- 21 CLOCK
- 22 Program number
- 23 AM - PM
- 24 ON - OFF

● Technical Data

Model designation:	DZ 20-A V2
Operating voltage:	230-240V~ 50Hz
Switched voltage:	230-240V~ 16(2) A
Switching capacity:	max. 3600W
Ambient temperature:	-10 °C to 40 °C -10T40
Time error:	± 1 minute/month
Shorting switching time:	1 minute



Programs:	10 ON/OFF program sets
Battery:	NiMH 1.2V > 100h
Use indoors:	
EU compliant:	



Safety notices

- Children are not able to understand the dangers arising from improper use of electric devices. Never leave children unsupervised when using electric devices.
- Only plug the device into safely installed sockets.
- Only connect loads within the specified capacities of the device.



- Do not cover the device. Heat accumulates when covered, creating a fire hazard.
- Regularly check the device for damage. Do not replace damaged parts but contact the manufacturer or dispose of the device in an environmentally responsible way.
- Do not open the device. Opening the device will void the warranty.
- The device contains a rechargeable battery. A defective rechargeable battery must be replaced by the manufacturer.
- Do not touch the device with wet hands or bring into contact with water.
- Disconnect the device from the power mains to de-energise.
- Do not connect heaters or similar loads to the device, as these must never be operated unattended.





● Control- and display elements

● Control elements

MASTERCLEAR button 11

This button will delete all time and program settings.

● Displays + Explanation

Weekdays 13

The abbreviations on the LCD display 1 mean:

MO Monday

TU Tuesday

WE Wednesday

TH Thursday

FR Friday

SA Saturday

SU Sunday



R Symbol 14

The R symbol indicates random switching is activated. The R symbol means random. In this mode the device will switch the connected loads on and off at different intervals.

S symbol 15

Indicates the clock has been set to summer time.



ON – AUTO – OFF 17

Indicates the operating mode of the device.



PROGRAM 19

Indicates the program function has been activated.

CLOCK 21

Indicates the clock function has been activated.





Program number 22

Indicates the program number in PROGRAM function.

AM – PM 23

Indicates the hour mode.

ON – OFF 24

Indicates the switching state:

ON = turn-on time, **OFF** = turn-off time.

The switching state is only visible under program function.

● **Operating mode function**

The different operating modes are:

AUTO = automatic program operation,

ON = continuous operation ON,

OFF = continuous operation OFF.



● Program function

This function allows the on- and off times to be programmed for the connected load.

● Clock function

This function shows the current time in the LCD.



● Preparation

To start up the device you must:


1. Charge the device.
2. Reset all settings.
3. Set the current time.




● Charging the device

- Insert the plug **7** into a mains socket.
- Charge the rechargeable battery for 14 hours.

● Reset all settings



Note: The device does not need to be connected to the mains to configure the settings.



Reset all settings

- Press the MASTERCLEAR **11** button with a pen or other pointy object. The LCD display **1** will read:



All settings cleared.

● Setting the current time

Note: Hold the HOUR, MINUTE button for faster programming.

- Press and hold the CLOCK **[21]** button.
- Set the current day of the week with the WEEK **[10]** button.
- Set the hour with the HOUR **[12]** button.
- Set the minute with the MINUTE **[2]** button.
- Release the CLOCK button **[21]**.



● Setting standard and summer time

Setting summer time

- Simultaneously press the CLOCK **9** and ON/AUTO/OFF **5** buttons. The LCD **1** will advance the hour display **20** by one hour and the S symbol **15** disappears.



Setting standard time

- Simultaneously press the CLOCK **9** and ON/AUTO/OFF **5** buttons. The S symbol **15** disappears from the LCD **1** and the hour **20** decreases by one.

● Setting the hour mode

The LCD **1** can display the current time in 12- or 24-hour mode. In 12-hour mode AM means before 12 noon, PM after 12 noon. The default is 24 hour mode.

Setting to 12 hour mode

- Simultaneously press the TIMER **8** and CLOCK **9** buttons. The LCD will show AM or PM **23**.

The following illustration shows 23:00 hours in 12-hour mode.






Setting to 24-hour mode


- Simultaneously press the TIMER **8** and CLOCK **9** buttons. The LCD will stop showing AM or PM **23**.

● Operation

● Switching to the clock function



The LCD **1** automatically switches back to clock function if a function is not used for more than 30 seconds.



- Press the CLOCK **9** button to manually go to the clock function.



● (De) activating continuous operation

This device has the following operating modes:

- Continuous operation,
- Automatic program operation

The default is automatic program operation. You can switch the device to continuous operation separate from the programs.



Activating continuous operation



- Repeatedly press the ON/AUTO/OFF **5** button until the LCD **1** reads ON **17**.



Deactivating continuous operation

- Repeatedly press the ON / AUTO / OFF **5** button until the LCD **1** reads OFF **17**.

Activating automatic program operation

- Repeatedly press the ON / AUTO / OFF **5** button until the LCD **1** reads AUTO **17**.
OFF → AUTO: device is switched off.
ON → AUTO: device is switched on.

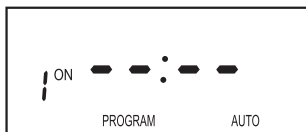
● Configuring programs

You can set up to 10 ON/OFF programs. The shortest time between switching on and off is one minute.

A program consists of the switch-on and switch-off time. Both times must be programmed to be able to use a program.

Be sure the time settings of the various programs do not overlap. If the times overlap, the switch-on time takes priority.

1. Check if the device is in AUTO 17 mode. If not, set to AUTO 17 (see "Setting the operating mode").
2. Select the program function with the TIMER 8 button. The LCD 1 reads:



3. Press the WEEK 10 button and press repeatedly to select one of the following options:






- An individual weekday,
- One of the following combinations:
MO, TU, WE, TH, FR, SA, SU
MO, TU, WE, TH, FR
SA, SU
MO, TU, WE, TH, FR, SA
MO, WE, FR
TU, TH, SA
MO, TU, WE
TH, FR, SA
MO, WE, FR, SU




4. Set the respective time using the HOUR **[12]** and MINUTE **[2]** buttons.
5. Press the TIMER **[8]** button to confirm the selection. The switch-on time has been programmed. The LCD **[1]** will switch to switch-off time.
6. Set the switch-off time as described in steps 3. to 5.




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- 
7. After entering the program, confirm with the CLOCK button **9** or wait 10 seconds until the current time is displayed.

Set current status






If the clock should be on at the current time (ON), the ON/OFF/AUTO button **5** must be pressed until ON appears on the screen. Then press the button again so AUTO appears. If the clock should be off at the current time (OFF), the ON/OFF/AUTO button **5** must be pressed until OFF appears on the screen. Then press the button again so AUTO appears.



Deactivating programs



You can deactivate individual programs or all. To completely deactivate a program, you must deactivate the on and off time.

- Press the TIMER **8** button.
- Repeatedly press the TIMER **8** button to select the respective switch-on time.

- 
- 
- 
- Press the RST / RCL **3** button.
 - Press the TIMER **8** button to select the switch-off time.
 - Press the RST / RCL **3** button.
 - Press the CLOCK **9** button to confirm the entry and exit.

Restoring programs

Programs can only be restored whilst deactivated.

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- Follow the instructions in chapter “Deactivating programs” to restore a deactivated program.

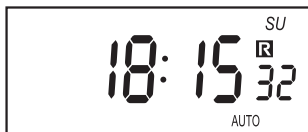
● Switching the random function on and off

If the random function is activated, all set programs will be ignored from 18:00 to 6:00. Instead of that, there is a random function

during this time period, which alternately switches on and off with an interval of 10 to 31 minutes.

Activating the random function



- Check if the device is in AUTO **17** mode. If not, set to AUTO **17** (see "Setting the operating mode").
- Press the RANDOM **4** button. The R symbol **14** will appear in the LCD **1**.



Deactivating the random function

- Press the RANDOM **4** button. The R symbol **14** will disappear from the LCD **1**.

● Cleaning


-  **ATTENTION! RISK OF ELECTRIC SHOCK!** Disconnect the device from the mains before cleaning.
-  **ATTENTION! RISK OF ELECTRIC SHOCK!** Do not allow liquids to enter the device. Liquids entering can result in a short circuit.
- ⚠ **ATTENTION!** Danger due to harsh cleaners.
 - Never use harsh or scouring cleaners.
 - Clean the device with a soft, slightly damp cloth and mild detergent.
 - Ensure the device is completely dry before using it again.




● Disposal



Do not dispose of electric equipment in the household waste!

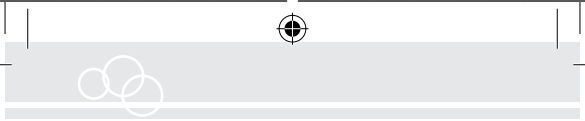


In accordance with European Directive 2012/19/EC relating to old electrical and electronic appliances, used electrical equipment must be collected separately and recycled in an ecologically compatible way. Contact your local authorities for information on how to dispose of the appliance at the end of product life.



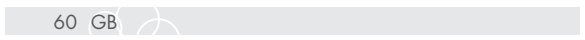
● Manufacturer

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