

# OPERATING INSTRUCTIONS

Z<sup>+</sup>  
M



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# COMMISSIONING

Connect the clock and the control unit with the control cable. Then plug the power supply unit into the control unit. Make sure that the control unit is at least 1 metre away from other electronic devices. Now connect the control unit to the mains.

1 Control unit

2 Power supply unit

3 Control cable (3 m)

4 Microfibre cloth

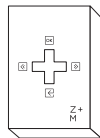
5 Wall bracket

6 Suspending bracket

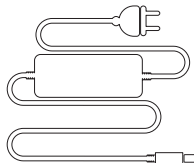
7 Feet (already mounted)

8 Zeitmeter

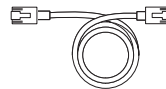
1



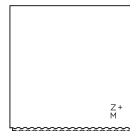
2



3



4



5



6






7







8










# BRIGHTNESS

To adjust the brightness, press  to enter the menu. Then press  until BRIGHTNESS appears on the display and confirm the selection with .




Now navigate through the eight levels with  . You can also select the automatic brightness adjustment. Confirm the desired setting with . The display starts flashing. Press  to exit the menu.





# LANGUAGE VARIANTS

To set the variants of the language, press  to enter the menu. Then press  until ENGLISH appears on the display and confirm the selection with .

Now use   to select between AMERICAN ENGLISH and BRITISH ENGLISH. Confirm the desired setting with . The display starts flashing. Press  to exit the menu.


# DAYLIGHT SAVING TIME





To adjust the automatic time change, press  to enter the menu. Then press  until DAYLIGHT appears on the display and confirm the selection with .

Now select between AUTO and DISABLE with  . Confirm the desired setting with . The display starts flashing. Press  to exit the menu.



# RADIOCALIBRATION






To switch the automatic calibration of the time on or off, press  to enter the menu. Then press  until DCF RADIO appears on the display and confirm the selection with .

Now select between ENABLE and DISABLE with  . Confirm the desired setting with . The display starts flashing. Press  to exit the menu.

**Reception control:** The green LED on the far left flashes in time with the DCF signal every second. An irregular flashing indicates weak or disturbed reception. If reception is successful, the «ENABLE» indicator changes to green.

# TIME SETTING

To set the time manually, press  to enter the menu. Then press  until TIME SETTING appears on the display and confirm the selection with .

Now switch between hours, minutes and seconds with   and press . For setting the minutes and seconds, a blue scale from 0 to 60 appears. The current value is shown as a red letter. Confirm the desired setting each time with . The display starts flashing. Press  to exit the menu.

## HOURS

The current time is shown as a red text.

EXAMPLE HOUR SIX



## MINUTES/SECONDS

The current value is displayed as a red letter.

EXAMPLE 54 MINUTES/SECONDS



SCALE OF TEN

0

10

20




30

40

50


60

# COLOUR SELECTION

The colour of the time display can be changed at any time. To do this, you can navigate through the eight different colours with  . Confirm the desired setting with .

Press  to exit the colour selection without saving.

# LED-TEST

The LED-test shows you whether all 138 characters light up optimally.  
Press and hold  for 5 seconds.

Press  to exit the test.

# ADDITIONAL INFO

## TECHNICAL DATA

- Clock: 1000 × 24,5 × 17,5 mm | 1035 g (without feet and hanger)
- Control unit: 90 × 67,5 × 28,5 mm | 131 g
- Supply cable: 3 m | max. 10 m | 1 × 4 0,5 mm<sup>2</sup> | RJ9
- Power supply: AC 100–240 V~ | 50–60 Hz | 0,5 A | 0,5 m | PELV DC 5V | 3 A | 15 W | USB-C | 1,35 m

## OPERATING DATA

- Temperature: 10–30 °C
- Humidity: 10–60% rH (non-condensing)
- Operate only with original power supply (ZMR-PS1)



DCF 77



sons  
eRecycling

## CLEANING

- Scratch- and lint-free, dampish microfibre cloth
- Light even movements without pressure

## MATERIAL AND ORIGIN

- Production: Switzerland
- Chrome steel: Finland
- Plastics: Holland (Recycled PET) and Italy (PA12)
- Electronics: Switzerland (PCB) and China (LED)
- Packaging: Switzerland (cardboard)
- All materials RoHS compliant

## WARNINGS

- Do not cover the unit during operation
- Do not operate the unit when cold (adjust to room temperature).
- Do not clean or wet the unit with water or detergent
- Do not expose the unit to direct sunlight
- Do not open the unit (this will void the warranty)

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