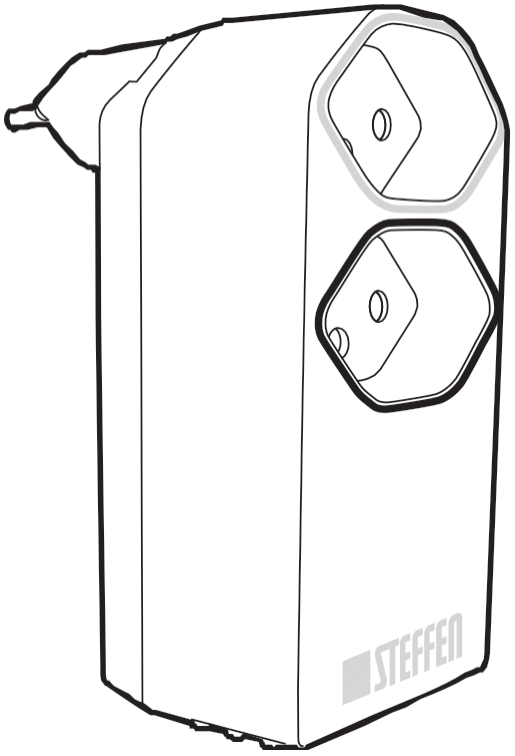
User Manual for the EM-C669SW1 Digital Time
Item No. 1204455

www.steffen.ch

V-07092020

Specification

Mains voltage	250 V AC / 50 Hz
Maximum load	Max. 10A / 2500W for a total of 2 sockets Operating temperature - 25 °C to +40 °C/24h, +35°C Programmable 20 ON/OFF + 2 countdown Programmes
Control output	Timer setting Manual control Countdown
Output switch	Relay
Timer accuracy	+/- 1 second per day at 20°C



Product information

- For safety reasons, please only connect appliances that are designed for unattended operation.
- The power consumption of the connected electrical appliances must not exceed 2500W.
- For indoor use only.
- Protect from moisture and wet conditions.
- Children must only operate the device under the supervision of an adult.
- We reserve the right to make technical changes without notice.
- Do not unscrew the unit under any circumstances. No liability is accepted for consequential damage.
- Please keep this user manual in a safe place.



Description of the buttons

CH1	Control of the red slot
CH2	Control of the black slot
+	Increase value
-	Decrease value
MENU	Timer programming mode
SET	Setting the date and time/Applying the settings

Control options

ON	Manual activation, continuous power at the socket
OFF	Manual switch-off, no power at the socket
Auto ON	Timer mode activated
Auto OFF	Timer mode switched off

Commissioning

Plug the timer into the designated mains socket for 15 minutes. Then carefully press the
'R' (Reset) button gently using a paperclip or something similar. Ensure that the button does not get stuck and returns to its original position after being pressed. The clock will start running at 00:00 and is ready for you to set it.

Deactivating switch-on and switch-off times

- Select the desired programming slot (1–20).
- Press the '+' and '-' buttons simultaneously. When ' ----------» appears, the programming time is deactivated.

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Setting the current time

- Press the Set button for more than 3 seconds.
- The setting mode opens.
- Set the day of the week using the «+/-» buttons. Confirm with the Set button.
- Set the hours/minutes/seconds using the «+/-» buttons. (Each step must be confirmed by pressing the Set button).

AM/PM display format

To change the display format from 24-hour to 12-hour, press the «-» button for 3 seconds whilst in the time display. The «AM» or «PM» symbol will appear on the right of the display.

Setting the timer

- Press the Menu button for more than 3 seconds.
- The settings mode opens.
- Programming the switch-on time: the display flashes "ON" flashes on the display.
- Use the "+/-" buttons to select a programming slot (1–20). Confirm with the Set button.
- Set the day of the week using the «+/-» buttons.
- Set the hours/minutes/seconds using the «+/-» buttons. (You must press the Set button after each step).
- Programme the switch-off time: the display flashes "OFF" flashes on the display.
- Use the «+/-» buttons to select a programming slot (1–20). Confirm with the Set button.
  Please note that the programming slot corresponds to the switch-on time 'ON'.
- Set the day of the week using the «+/-» buttons.
- Set the hours/minutes/seconds using the «+/-» buttons. (Each step must be confirmed with the Set button).
- Repeat these steps for multiple programmes.
- Press the Menu button to save the process and exit the setting.
- Select slot CH1, CH2 or both (see control options).



Random generator

This function switches the timer on and off at random.

- Set the timer as described in the instructions under 'Setting the timer'.
- Press the '+' and '-' buttons simultaneously. The timer switches to random mode. The display shows the 'RND' symbol.
- To switch off the random function, repeat the steps listed above. The 'RND' symbol will disappear.

Summer and winter time

Press and hold the '+' button for 3 seconds whilst in the 'Time display' default setting. When daylight saving time is active, the '+ 1h' symbol appears above the seconds display. The watch automatically moves forward by one hour.

Setting the countdown

Timer setting options for the days of the week: Mon-
Sun
Mon-Sat
Mon-Fri
Sat/Sun
Mon/Wed/
Fri
Tue/Thu/
Sat
Mon/Tue/
Wed
Thu/Fri/S
at

When using the timer function on both sockets. The timer functions on both sockets run in parallel;
it is not possible to programme two different times.

Setting the countdown

The countdown switches off after a specified period of time (max. 23 hours, 59 minutes and 59 seconds), regardless of the programming.

- Press the CH1 or CH2 button for more than 3 seconds.
- The settings mode opens. The display shows the selected channel.
- Use the +/-/Set buttons to set the hours, minutes and seconds. (Each step must be confirmed by pressing the Set button).
- Press the CH1 or CH2 button to start the countdown.
- Press the Menu button to save the operation and exit the settings.
- "ON CD" flashes to confirm.

Notes on the countdown:

- CH1 or CH2 automatically switches to Auto-Off mode when the countdown has elapsed.
- Press the CH1 or CH2 button to pause the countdown. You can press the CH1 or CH2 button again to resume the countdown.
- If you press the CH1 or CH2 button for longer than 3 seconds, the countdown function is interrupted and the device returns to the display.
- The display can be switched from the current time to the remaining countdown time by pressing the Menu button.
- The 'CD' function can be set to different times on both slots.

Manuel EM-C669SW1 Digital Time
Item number 1204455

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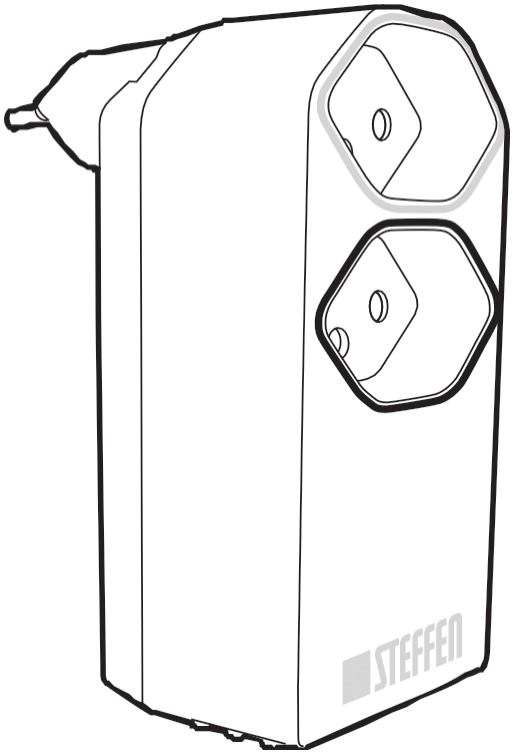
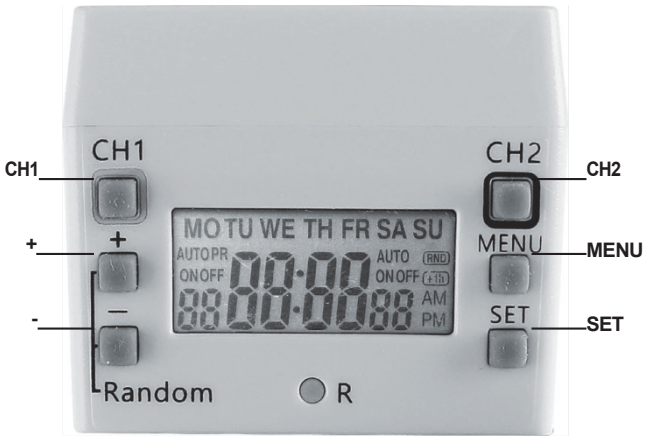
Specifications

Mains voltage	250V~ / 50Hz
Maximum load	Max. 10A / 2500 W for 2 sockets in
total	
Operating temperature	-25 °C to +40 °C/24h, +35 °C
programmable	20 programmes
	ON/OFF + 2
	countdown programmes Control output
	Timer setting
	Manual control Countdown
Output switch	Relay
Timer accuracy	+/- 1 second per day at 20 °C

Product notes

- For safety reasons, only connect appliances designed for unattended operation.
- The maximum permissible power consumption of connected electrical appliances is 2500 W.
- Intended for indoor use only.
- Protect from moisture and water.
- Children must only use the appliance under adult supervision.
- Subject to technical changes without prior notice.
- Never open the appliance. We accept no liability for consequential damage.
- Please keep this user manual in a safe place.





Description of the buttons

CH1	**Control of the red socket**
CH2	**Control of the black socket**
+	**Increase the value**
-	**Decrease value**
MENU	**Timer programming mode**
SET	**Setting the day and time / switching between settings**

Control options

ON	**Manual activation, constant power supply**
OFF	**Manual deactivation, disconnected**
Auto ON	**Timer mode activated**
Auto OFF	**Timer mode deactivated**

Setting up

Plug the timer into the mains socket provided for this purpose for 15 minutes. Then carefully press the 'R' (Reset) button using a paperclip or similar object. Ensure that the button does not get stuck and returns to its original position when you release it. The clock will display 00:00 and you can now set it.

Deactivating the switch-on and switch-off times

- Select the desired programme slot (1–20).
- Press the '+' and '–' buttons simultaneously. If the display shows '----------', the programming time is deactivated.

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Setting the current time
- Press and hold the ‘Set’ button for more than 3 seconds.
- The setting mode appears.
- Set the day of the week using the ‘+/-’ buttons. Confirm by pressing the ‘Set’ button.
- Set the hours/minutes/seconds using the ‘+/-’ buttons. (Each intermediate step must be confirmed using the ‘Set’ button.)

AM/PM display format
To switch the display format from 24-hour to 12-hour, press the ‘–’ button for 3 seconds from the time display screen.
The ‘AM’ or ‘PM’ symbol appears on the right-hand side of the display.

Setting the timer
- Press and hold the ‘Menu’ button for more than 3 seconds.
- The settings mode appears.
- Setting the activation time: ‘ON’ flashes on the display.
- Select a programme slot (1–20) using the ‘+/-’ buttons. Confirm by pressing the ‘Set’ button.
- Set the day of the week using the ‘+/-’ buttons.
- Set the hours/minutes/seconds using the ‘+/-’ buttons. (Each intermediate step must be confirmed using the ‘Set’ button.)
- Setting the switch-off time: ‘OFF’ flashes on the display.
- Select a programme slot (1–20) using the ‘+/-’ buttons. Confirm by pressing the ‘Set’ button.
  (Please note that the programme slot is ‘ON’, just like the switch-on time.)
- Set the day of the week using the ‘+/-’ buttons.
- Set the hours/minutes/seconds using the ‘+/-’ buttons. (Each intermediate step must be confirmed using the ‘Set’ button.)
- Repeat these steps for multiple programmes.
- Press the ‘Menu’ button to save the settings and exit the settings menu.
- Select socket CH1, CH2 or both (see control options).

Random generator
This function turns the timer on and off at random.
- Set the timer using the instructions in the ‘Setting the timer’ section.
- Press the ‘+’ and ‘–’ buttons simultaneously. The timer switches to random mode. The display shows the ‘RND’ symbol.
- To deactivate the random function, simply repeat the two steps above. The ‘RND’ symbol disappears.

Summer time and winter time
Hold down the ‘+’ button for 3 seconds from the ‘Time display’ basic setting. For summer time, the ‘+ 1h’ symbol appears above the seconds. The clock automatically moves forward by one hour.

Notes on the timer
Options for setting the days of the week on the timer: Mon-Tue
Mon-
Sat
Mon-
Fri
Sat/S
un
Mon/Wed/
Fri
Tue/Thu/S
at
Mon/Tue/
Wed
Thu/Fri/Sa
t

Using the timer function for both sockets.
The timer function is the same for both sockets. You cannot set different times for each socket.

Setting the countdown
The countdown switches off after the set time (max. 23 hours, 59 minutes and 59 seconds), regardless of the programming.

- Press and hold the CH1 or CH2 button for more than 3 seconds.
- The setting mode is displayed. The screen shows the selected channel.
- Set the hours, minutes and seconds using the ‘+/-/Set’ buttons. (Each intermediate step must be confirmed using the ‘Set’ button.)
- Press the CH1 or CH2 button to start the countdown.
- Press the ‘Menu’ button to save the settings and exit the settings menu.
- ‘ON CD’ flashes to confirm.



Notes regarding the countdown:
- At the end of the countdown, CH1 or CH2 automatically switches to Auto OFF mode.
- Press the CH1 or CH2 button to stop the countdown. You can press the CH1 or CH2 button again to restart the countdown.
- If you press the CH1 or CH2 button for more than 3 seconds, the countdown function is interrupted and the device returns to the display.
- The display can be switched from the current time to the remaining countdown time by pressing the ‘Menu’ button.
- The ‘CD’ function can be set with different timings for the two sockets.

EM-C669SW1 Digital Timer Manua
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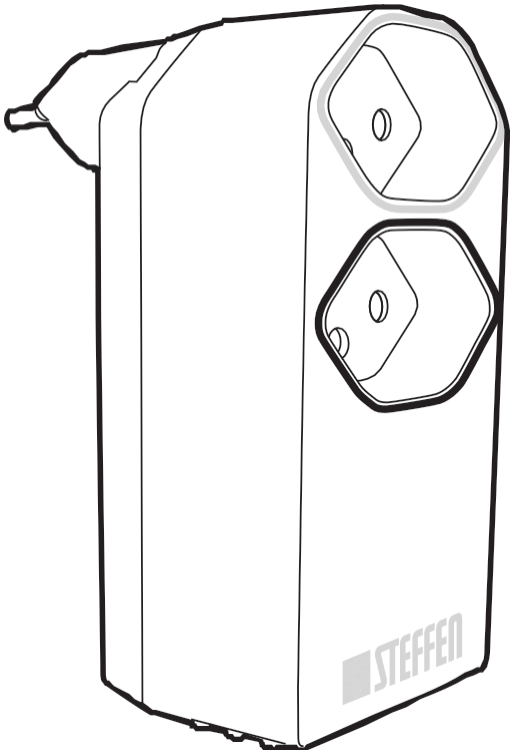
Specifications

Mains voltage	250V~ / 50Hz
Maximum load	max. 10A / 2500 W for 2 sockets in total
Operating temperature	-25 °C to +40 °C/24h, +35 °C
Programmability	20 ON/OFF programmes + 2 countdown countdown
Control output	Timer setting Manual control Countdown
Output switch	Relay
Timer accuracy	+/- 1 second per day at 20°C



Product notes

- For safety reasons, connect only appliances designed to operate unattended.
- The power consumption of the connected electrical appliances must not exceed 2500 W.
- For indoor use only.
- Keep away from water and moisture.
- Children may only use the appliance under adult supervision.
- Subject to technical changes without prior notice.
- Under no circumstances should you unscrew the appliance to open it. We accept no liability for consequential damage.
- Keep this user manual in a safe place.

Description of the buttons

CH1	Controls the red slot
CH2	Controls the black slot
+	Increase the value
-	Decrease the value
MENU	Timer programming modes
SET	Setting the day and time / advancing the settings



Available commands

ON	Manual switch-on, DC power at the socket
OFF	Manual switch-off, socket without power
Auto ON	Timer mode on
Auto OFF	Timer mode off

Start-up

Plug the timer into the appropriate mains socket for 15 minutes. Then carefully press the 'R' (reset) button using a metal paperclip or similar object. Check that the button does not get stuck and that, once pressed, it returns to its original position. The clock starts at 00:00 and is ready to be set.

Deactivating the switch-on and switch-off times

- Select the desired programme number (1–20).
- Press the '+' and '-' buttons simultaneously. If '----------', the programme time is deactivated.

Setting the current time

- Press the Set button for more than 3 seconds.
- The setting mode opens.
- Set the day of the week using the '+/-' buttons. Confirm with the Set button.
- Set the hours/minutes/seconds using the '+/-' buttons. (Use the Set button to move from one step to the next).

AM/PM display

To change the display format from 24-hour to 12-hour, press the '-' button for 3 seconds whilst the time is displayed. The 'AM' or 'PM' symbol will appear on the right of the display.

Setting the timer

- Press the Menu button for more than 3 seconds.
- The setting mode opens.
- Set the switch-on time: the word "ON" will flash on the display.
- Select a programme number (1–20) using the «+/-» buttons. Confirm by pressing the Set button.
- Set the day of the week using the '+/-' buttons.
- Set the hours/minutes/seconds using the '+/-' buttons. (Use the Set button to move from one step to the next).
- Set the switch-off time: 'OFF' flashes on the display.
- Select a programme number (1–20) using the '+/-' buttons. Confirm with the Set button.
  (Please note that the programme number is the same as that for the switch-on time 'ON').
- Set the day of the week using the «+/-» buttons.
- Set the hours/minutes/seconds using the '+/-' buttons. (Use the Set button to move from one step to the next).
- If there are multiple programmes, repeat these steps.
- Press the Menu button to save the settings and exit the settings menu.
- Selecting slot CH1, CH2 or both (see Possible commands)

Random generator

With this function, the timer switches on and off at random.

- Set the timer following the instructions in 'Setting the timer'.
- Press the '+' and '-' buttons simultaneously. The timer switches to random operation. The display shows the 'RND' symbol.
- To deactivate the random function, repeat the steps described above. The 'RND' symbol goes out.

Daylight saving time and standard time

In the 'Time display' basic setting, press and hold the '+' button for 3 seconds. In the summer time display, the '+ 1h' symbol appears above the seconds display. The clock automatically moves forward by one hour.

Notes on the timer

Possible settings for the days of the week in the timer: Mon-
Sun
Mon-Sat
Mon-Fri
Sat/Sun
Mon/Wed/Fri
Tue/Thu/Sat
Mon/Tue/We
d Thu/Fri/Sat

If using the timer function on both slots

The timer function on both slots must be synchronised; it is not possible to set two different times.

Setting the countdown

The countdown timer switches off after a specified time (max. 23 hours, 59 minutes and 59 seconds) regardless of the settings.

- Press the CH1 or CH2 button for more than 3 seconds.
- The setting mode opens. The display shows the selected channel.
- Set the hours, minutes and seconds using the +/-/Set buttons. (Use the Set button to move from one step to the next).
- Press the CH1 or CH2 button to start the countdown.
- Press the Menu button to save the settings and exit the settings menu.
- 'ON CD' flashes to confirm.



Notes on the countdown:

- In Auto OFF mode, CH1 or CH2 switches automatically at the end of the countdown.
- Press the CH1 or CH2 button to pause the countdown. To restart the countdown, press the CH1 or CH2 button again.
- If you hold down the CH1 or CH2 button for more than 3 seconds, the countdown function is interrupted and the device returns to the normal display.
- By pressing the Menu button, you can switch the display from the current time to the remaining countdown time.
- The 'CD' function can be set on both slots with different times.