Westek TE402WHB

Westek TE402WHB Indoor Weekly Digital Bar Timer Instruction Manual

1. INTRODUCTION

Thank you for choosing the Westek TE402WHB Indoor Weekly Digital Bar Timer. This device is designed to provide automated control for various indoor electrical appliances such as lights, heaters, and fans. It features a large LCD display, dual outlets, and programmable settings for daily or weekly cycles, including a random mode for enhanced security. This manual provides detailed instructions for safe installation, programming, and operation.

2. SAFETY INFORMATION

- **Indoor Use Only:** This timer is designed for indoor use in dry locations. Do not expose to water or moisture.
- **Electrical Rating:** Do not exceed the maximum load of 8 Amps, 960 Watts resistive, 600W Tungsten. Overloading the timer can cause damage or fire.
- **Grounding:** Ensure the timer is plugged into a properly grounded 120VAC, 60Hz outlet.
- **Cleaning:** Disconnect from power before cleaning. Use a dry cloth; do not use liquid cleaners.
- **Repair:** Do not attempt to disassemble or repair the timer. Refer all servicing to qualified personnel.

3. PRODUCT OVERVIEW

The Westek TE402WHB timer features a clear LCD display and intuitive buttons for easy programming. It includes two side-mounted outlets for connecting appliances.
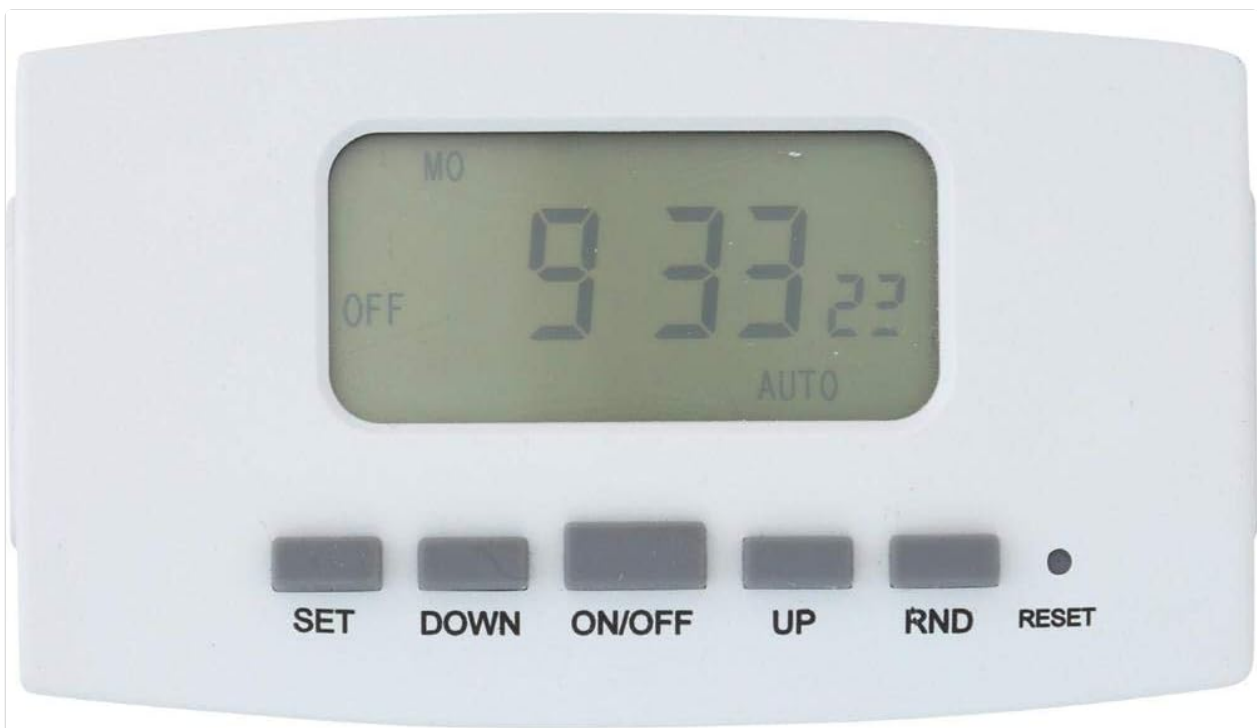
Figure 3.1: Front view of the Westek TE402WHB Digital Bar Timer, showing the LCD display and control buttons (SET, DOWN, ON/OFF, UP, RND, RESET).

Figure 3.2: Angled view of the timer, highlighting the LCD, buttons, and one of the two side outlets.

Figure 3.3: Side view of the timer, clearly showing the two electrical outlets.

3.1. Components

- **LCD Display:** Shows current time, day, program status, and settings.
- **SET Button:** Enters programming mode and confirms selections.
- **DOWN Button:** Decreases values or moves backward through options.
- **ON/OFF Button:** Manually turns connected devices ON or OFF, or switches between modes.
- **UP Button:** Increases values or moves forward through options.
- **RND (Random) Button:** Activates or deactivates the random ON/OFF feature.
- **RESET Button:** Resets all settings to factory defaults. Use a pointed object (e.g., pen tip) to press.
- **Outlets:** Two 3-prong outlets on the sides for connecting appliances.
- **Battery Backup:** Internal rechargeable battery retains settings during power outages.

4. SETUP

4.1. Initial Power-Up and Reset

1. Plug the timer into a standard 120VAC, 60Hz wall outlet.

2. The LCD display will illuminate. If the display is blank or shows erratic characters, press the **RESET** button using a small pointed object. This will clear all previous settings and ensure proper operation.

4.2. Setting Current Time and Day

After resetting, or if the time is incorrect, follow these steps:

1. Press the **SET** button once. The hour digit will flash.

2. Use the **UP** or **DOWN** buttons to adjust the hour. Pay attention to AM/PM indicators.

3. Press **SET** again. The minute digit will flash.

4. Use the **UP** or **DOWN** buttons to adjust the minutes.

5. Press **SET** again. The day of the week will flash.

6. Use the **UP** or **DOWN** buttons to select the current day (MO, TU, WE, TH, FR, SA, SU).

7. Press **SET** one last time to confirm and exit time setting mode. The display will show the current time and day.

5. OPERATING INSTRUCTIONS

5.1. Manual ON/OFF

To manually control the connected appliance:

- Press the **ON/OFF** button. Each press will cycle through:

    - **ON:** The appliance will stay on continuously.

    - **OFF:** The appliance will stay off continuously.

    - **AUTO:** The timer will operate according to the programmed settings.

5.2. Random Mode (RND)

The random mode can be used to simulate occupancy, turning connected devices ON and OFF at irregular intervals within a set period. This feature is useful for security when you are away from home.

- Press the **RND** button to activate or deactivate this mode.

- When activated, 'RND' will appear on the display. The timer will then turn devices ON and OFF randomly, overriding programmed settings.

- Press **RND** again to deactivate. The timer will return to its previous mode (ON, OFF, or AUTO).

5.3. Daylight Saving Time (DST)

To adjust for Daylight Saving Time:

- Press and hold the **ON/OFF** button for 3 seconds. The display will show 'DST' and the time will advance by one hour.

- Repeat the process to revert to standard time.

6. PROGRAMMING

The timer allows for up to 20 ON/OFF programs. Each program can be set for specific days or groups of days.

6.1. Setting a Program

1. Press the **SET** button repeatedly until '1 ON' appears on the display. This indicates the first ON program.

2. Press **SET**. The hour digit will flash. Use **UP** or **DOWN** to set the desired ON hour.

3. Press **SET**. The minute digit will flash. Use **UP** or **DOWN** to set the desired ON minute.

4. Press **SET**. The day(s) of the week will flash. Use **UP** or **DOWN** to select the desired day combination for this program. Options include:

   - MO TU WE TH FR SA SU (Every day)
   - MO TU WE TH FR (Weekdays)
   - SA SU (Weekends)
   - MO TU WE TH FR SA (Mon-Sat)
   - MO WE FR
   - TU TH SA
   - MO TU WE
   - TH FR SA
   - Individual days (MO, TU, WE, etc.)

5. Press **SET** to confirm the ON time and day(s).

6. The display will now show '1 OFF'. Repeat steps 2-5 to set the desired OFF time and day(s) for the first program.

7. After setting '1 OFF', press **SET** to move to '2 ON' and continue programming additional ON/OFF cycles (up to 20).

8. To exit programming mode at any time, stop pressing buttons for approximately 10 seconds, or press the **ON/OFF** button.

6.2. Reviewing Programs

To review your programmed settings, repeatedly press the **SET** button. The display will cycle through all 20 ON/OFF programs. If a program is not set, it will show '--:--'.

6.3. Deleting a Program

To delete a specific program:

1. Press the **SET** button repeatedly until the desired program (e.g., '5 ON') is displayed.

2. Press the **ON/OFF** button. The display will show '--:--' for that program, indicating it has been cleared.

3. Repeat for the corresponding OFF program (e.g., '5 OFF').

7. MAINTENANCE

7.1. Cleaning

Disconnect the timer from the power outlet before cleaning. Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the unit in water.

7.2. Battery Backup

The timer includes a rechargeable battery backup that maintains your programmed settings during a power outage. This battery charges automatically when the timer is plugged into an active outlet. No user maintenance is required for the battery.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank or erratic.	Power outage; internal error; low battery backup.	Press the **RESET** button with a pointed object. Ensure the timer is plugged into a live outlet. Allow battery to charge.
Appliance does not turn ON/OFF as programmed.	Timer is not in AUTO mode; incorrect program settings; appliance is faulty.	Press **ON/OFF** until 'AUTO' is displayed. Review and correct program settings (Section 6.1). Test the appliance directly in the wall outlet.
Random mode not working.	Random mode not activated.	Press the **RND** button until 'RND' appears on the display.
Time is incorrect after power outage.	Battery backup depleted or not fully charged.	Reset and reprogram the current time and day (Section 4.2). Keep the timer plugged in to allow the battery backup to charge.
Cannot set programs.	Incorrect button sequence.	Follow programming steps carefully (Section 6.1). Ensure you are pressing **SET** to advance through options.

9. SPECIFICATIONS

Figure 9.1: Bottom view of the timer, displaying the product label with model number, electrical ratings, and certifications.
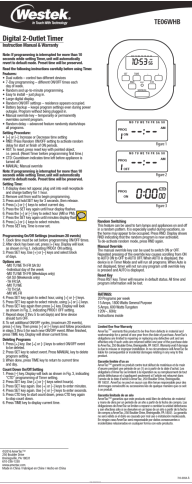
Feature	Detail
Model Number	TE402WHB
Input Voltage	120VAC, 60Hz
Max Load (General Purpose)	8 Amps
Max Load (Resistive)	960 Watts
Max Load (Tungsten)	600 Watts
Number of Programs	Up to 20 ON/OFF programs
Battery Backup	Rechargeable (retains settings during power outage)
Dimensions	5.84 x 7.62 x 4.32 cm (approx.)
Weight	86.2 g (approx.)
Certifications	Intertek 3160817 (cETLus listed)

10. WARRANTY AND SUPPORT

Westek products are designed for reliability and performance. For specific warranty information or technical support, please refer to the warranty card included with your product or visit the official Westek website. Keep your purchase receipt as proof of purchase for any warranty claims.

Related Documents - TE402WHB

	Westek TE1606WHB Indoor Digital Weekly Timer: Instruction Manual & Warranty Comprehensive instruction manual and warranty details for the Westek TE1606WHB digital weekly timer. Learn how to program, set time, use countdown, and random functions for automated control of indoor lighting and appliances.
	Westek TE1606WHB Indoor Digital Weekly Timer Instruction Manual & Warranty User manual and warranty details for the Westek TE1606WHB Indoor Digital Weekly Timer. Learn programming, time setting, countdown, and random features for efficient home automation.

[Westek TE1604WHB Digital Weekly Timer: User Manual and Instructions](#)

User manual for the Westek TE1604WHB Indoor Digital Weekly Timer. Learn about its features including 20 programmable ON/OFF settings, DST, manual override, and random function for automated home control.

[Westek TM77DHB Indoor Daily Timer Instructions and Warranty](#)

This document provides instructions and warranty information for the Westek TM77DHB Indoor Daily Timer. Learn how to set on/off periods, set the time, connect the timer, and use manual override functions. Specifications and precautions are also included.

[Westek TE02DHB/TE22DHB Indoor 1-Outlet Digital Timer: Instruction Manual & Warranty](#)

Comprehensive guide for the Westek TE02DHB/TE22DHB 1-Outlet Digital Timer, covering features, programming, safety precautions, and a one-year limited warranty.

[Westek TE06WHB Digital 2-Outlet Timer: Setup, Programming, and Warranty Guide](#)

Comprehensive instruction manual for the Westek TE06WHB Digital 2-Outlet Timer. Learn how to set the time, program ON/OFF schedules, use countdown features, random switching, and manual override. Includes product specifications and a one-year limited warranty.