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› HITRENDS Outdoor Digital Timer TE-HD01 User Manual

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HITRENDS Outdoor Digital Timer TE-HD01 User Manual

Model: TE-HD01

1. INTRODUCTION

Thank you for choosing the HITRENDS Outdoor Digital Timer TE-HD01. This manual provides detailed instructions for the safe operation, setup, programming, and maintenance of your new timer. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage.



Image 1.1: HITRENDS Outdoor Digital Timer TE-HD01. This image displays the main unit of the digital timer, featuring its LCD screen, control buttons, two grounded outlets, and a flexible power cord with a three-prong plug.

2. IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of electric shock, fire, or injury, always follow these basic safety precautions:

- **Read All Instructions:** Familiarize yourself with the product before operation.
- **Outdoor Use Only:** This timer is designed for outdoor use. Ensure it is installed in a location protected from direct heavy rain or standing water.
- **Grounded Outlets:** Always plug the timer into a grounded 3-prong outlet. Do not remove the grounding prong.
- **Electrical Rating:** Do not exceed the electrical rating of 15A, 1875W, 1/2 HP. Overloading can cause overheating and fire.
- **Secure Installation:** Mount the timer securely using the integrated mounting hole to prevent it from falling or being submerged.
- **Keep Children Away:** This is not a toy. Keep out of reach of children.
- **Disconnect Power:** Always unplug the timer from the power source before cleaning or performing any maintenance.
- **Avoid Damage:** Do not use if the timer, cord, or plug is damaged. Contact customer support for assistance.

3. PRODUCT OVERVIEW

The HITRENDS Outdoor Digital Timer TE-HD01 features a clear LCD display and intuitive buttons for easy programming. It includes two grounded outlets for connecting your devices.



Photocell Sensor

Auto ON at dusk, OFF at dawn



Image 3.1: Product Buttons Overview. This image highlights the various buttons and their labels on the digital timer's control panel, along with the light sensor and power button.

Buttons and Functions:

1. **Power Button:** Press and hold for 3 seconds to switch between Auto, Always ON, and Always OFF modes.
2. **Light Sensor:** Automatically detects changes in ambient light levels to adjust the timer's operation accordingly (for Dusk to Dawn features).
3. **PROG (Program):** Press to enter the setting mode for programming schedules or to review existing schedules.
4. **WEEK:** Use to select specific days of the week (MO, TU, WE, TH, FR, SA, SU) for the timer's operation.
5. **MODE:** Press to switch between different operating modes (Timed Mode, Photocell + Countdown Mode, Photocell + Timed Mode).
6. **LOCK:** Press and hold for 10 seconds to lock the current settings, and press again for 10 seconds to unlock.
7. **TIME:** Press to adjust time settings; use in combination with the [+/-] buttons to set the hour and

minutes.

8. **+/- Buttons:** Adjusts hours or minutes when configuring time settings.
9. **DEL (Delete):** To review a schedule, press PROG, then use the DEL button to delete the selected schedule.
10. **RND (Random):** Activates or deactivates the random ON/OFF feature.
11. **RESET (Recessed):** A small, recessed button typically requiring a pointed object (like a pen tip) to press. Resets all settings to factory defaults.

4. FEATURES

The HITRENDS Outdoor Digital Timer TE-HD01 offers a range of features designed for convenience and energy efficiency:

- **8 ON/OFF Programs:** Set up to 8 distinct ON/OFF schedules daily or weekly.
- **7-Day Programmable:** Customize schedules for individual days or groups of days.
- **Dusk to Dawn Sensor:** Automatic operation based on ambient light levels.
- **Random Mode:** Turns lights ON/OFF randomly to simulate occupancy for security.
- **2 Grounded Outlets:** Connect two devices simultaneously.
- **Waterproof Design:** Durable construction suitable for outdoor environments.
- **UL Listed:** Certified for safety and quality standards.
- **Large LCD Display:** Easy-to-read screen for setting and monitoring.
- **Backup Battery:** Retains settings during power outages.



Automate Your Holidayde Coration

Image 4.1: Key Features. This image illustrates the timer's waterproof rating, the presence of two grounded outlets, and its ETL Listed certification, indicating compliance with safety standards.



Image 4.2: Programmable Capabilities. This image highlights the timer's ability to handle 7 days and 16 groups of programmable settings, along with icons for countdown timer, waterproof, 15A/1875W capacity, and UL listing.

5. INITIAL SETUP

5.1. Setting Current Time and Day

Before programming, ensure the timer's internal clock is set correctly.

1. Plug the timer into a grounded outlet. The display will illuminate.
2. Press and hold the **TIME** button for 3 seconds until the hour digits flash.
3. Use the +/- buttons to adjust the hour. Pay attention to AM/PM indicators.
4. Press the **TIME** button again to move to minutes. Use the +/- buttons to adjust minutes.
5. Press the **TIME** button again to move to the day of the week. Use the **WEEK** button to select the current day (MO, TU, WE, TH, FR, SA, SU).
6. Press the **TIME** button once more to confirm and exit the time setting mode.

5.2. Resetting the Timer

If you encounter issues or wish to clear all previous settings, use the recessed **RESET** button. Insert a small, pointed object (like a paperclip or pen tip) into the **RESET** hole and press firmly. The display will reset, and you will need to set the current time and day again.

6. OPERATING MODES

The timer offers multiple operating modes to suit various needs. Press the **MODE** button to cycle through them.






| Display | Mode | Explanation |
|---|---------------------------|--|
|  | Digital Timer | On/Off at your exact programmed times |
|  | Photocell Countdown Timer | On at Dusk or On immediately. Off after 1-12 hours |
|  | Digital Timer+Photocell | On at Dusk, Off at your exact programmed times |

Image 6.1: Display Mode Explanation. This image provides a table explaining the different display icons and their corresponding operating modes: Digital Timer, Photocell Countdown Timer, and Digital Timer + Photocell.

| Display Icon | Mode | Explanation |
|-----------------------|---------------------------|---|
| Clock icon | Digital Timer | Turns ON/OFF at your exact programmed times. |
| Sun/Moon icon | Photocell Countdown Timer | Turns ON at Dusk or ON immediately, then OFF after a set duration (1-12 hours). |
| Clock + Sun/Moon icon | Digital Timer + Photocell | Turns ON at Dusk, then OFF at your exact programmed times. |

6.1. Dusk to Dawn Functionality

The integrated photocell sensor allows the timer to automatically activate at dusk and deactivate at dawn, or to combine this with programmed schedules.



Image 6.2: Photocell Sensor. This image shows the timer unit with an overlay indicating its photocell sensor functionality, allowing automatic operation based on light conditions (dusk to dawn).



Image 6.3: Dusk to Dawn Operation. This image visually represents the timer's dusk to dawn sensor, showing how it automatically turns lights on when it gets dark and off when it gets light.

6.2. Random Mode

Activate Random Mode (RND) to turn connected devices ON and OFF at irregular intervals, creating the impression that someone is home. This feature enhances security when you are away.

7. PROGRAMMING INSTRUCTIONS

The timer allows for up to 8 ON/OFF programs. Each program can be set for specific days or groups of days.

7.1. Creating a New Program

1. Press the **PROG** button once. The display will show "1 ON" and the time will flash. This is your first ON program.
2. Use the +/- buttons to set the desired ON hour.
3. Press **PROG** again to set the minutes for the ON time. Use the +/- buttons.
4. Press **PROG** again. The display will show the days of the week. Use the **WEEK** button to cycle through day options:
 - MO TU WE TH FR SA SU (Every day)
 - MO TU WE TH FR (Weekdays)
 - SA SU (Weekends)
 - MO WE FR
 - TU TH SA
 - MO TU WE TH FR SA
 - Individual days (MO, TU, WE, TH, FR, SA, SU)
5. Once the desired days are selected, press **PROG**. The display will now show "1 OFF" and the time will flash. This is your first OFF program.
6. Repeat steps 2-4 to set the desired OFF time and days for this program.

7. After setting the OFF time and days for Program 1, press **PROG** again to move to "2 ON" (Program 2 ON time).
8. Repeat the process for up to 8 ON/OFF programs.
9. After setting all desired programs, press the **TIME** button to exit programming mode and return to the current time display.

7.2. Reviewing and Deleting Programs

- **Review:** Press the **PROG** button repeatedly to cycle through all set ON/OFF programs.
- **Delete:** While viewing the specific ON or OFF program you wish to delete, press the **DEL** button. The program will be cleared.

8. MAINTENANCE

To ensure the longevity and proper functioning of your HITRENDS Outdoor Digital Timer TE-HD01, follow these maintenance guidelines:

- **Cleaning:** Disconnect the timer from the power source before cleaning. Wipe the exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** If not in use for an extended period, store the timer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the power cord and plug for any signs of damage. If damage is found, discontinue use and contact customer support.

9. TROUBLESHOOTING

If you experience issues with your timer, refer to the following table for common problems and solutions.

| Problem | Possible Cause | Solution |
|---|--|---|
| Display is blank or not responding. | No power; internal battery depleted. | Ensure the timer is plugged into a live, grounded outlet. Allow it to charge for a few minutes. If still blank, perform a RESET. |
| Timer not turning ON/OFF at programmed times. | Incorrect current time/day; timer is not in AUTO mode; programs not set correctly; LOCK function active. | Verify current time and day are accurate. Press the Power button until "AUTO" is displayed. Review programs using the PROG button. Check if the LOCK function is active (press and hold LOCK for 10 seconds to unlock). |
| Settings are lost after a power outage. | Internal backup battery is low or depleted. | The timer has a built-in backup battery. If settings are lost, the battery may need to charge. Keep the timer plugged in for several hours to fully charge the battery. |
| Dusk to Dawn feature not working. | Timer not in appropriate Photocell mode; light sensor obstructed. | Press MODE until a Photocell icon is displayed. Ensure the light sensor on the timer is not covered and is exposed to ambient light. |

| Problem | Possible Cause | Solution |
|--------------------------------|--------------------------|---|
| Cannot set or change programs. | LOCK function is active. | Press and hold the LOCK button for 10 seconds to unlock the timer. |

10. SPECIFICATIONS

| Specification | Detail |
|--------------------|---|
| Brand | HITRENDS |
| Model Number | TE-HD01 |
| Material | Plastic |
| Product Dimensions | 2"D x 5.7"W x 7"H |
| Number of Settings | 18 (8 ON/OFF programs, plus other modes) |
| Item Weight | 12 ounces |
| Electrical Rating | 15A, 1875W, 1/2 HP |
| Outlets | 2 Grounded Outlets |
| Features | 7-Day Programmable, Dusk to Dawn Sensor, Random Mode, Waterproof, UL Listed |

11. WARRANTY AND CUSTOMER SUPPORT

HITRENDS products are manufactured with quality and reliability in mind. This product comes with a standard manufacturer's warranty. For specific warranty details, technical assistance, or customer support, please refer to the contact information provided with your purchase or visit the official HITRENDS website.