

KETOTEK KTTS01

KETOTEK Digital Timer Socket (Model KTTS01) Instruction Manual

Programmable Electrical Timer Plug

1. INTRODUCTION

Thank you for choosing the KETOTEK Digital Timer Socket. This device allows you to automate the power supply to various appliances, helping you save energy and simplify daily routines. It features 20 ON/OFF programs, a 7-day/24-hour programming cycle, and special functions like anti-theft random mode and countdown. Please read this manual carefully before use to ensure proper operation and safety.

2. SAFETY INFORMATION

- The timer is designed for **indoor use only**. Ensure the timer is kept dry and away from water or high humidity.
- Do not attempt to repair, disassemble, or modify the device under any circumstances. This may void the warranty and pose a safety risk.
- Ensure the connected appliance's power consumption does not exceed the timer's maximum output of **16A 3600W**.
- Keep out of reach of children.
- Operating temperature range: **0~55°C**.

3. PRODUCT OVERVIEW

The KETOTEK Digital Timer Socket features a large LCD display and intuitive buttons for easy programming. It is designed to be user-friendly for controlling various household devices.



Terrarium



Air Condition



Light



Image 3.1: Front view of the KETOTEK Digital Timer Socket with key features labeled, including 12/24 hours display, clock, 20 groups ON/OFF indicator, day of week cycle, random mode, summer time, and reset button. The image also shows examples of use for terrariums, air conditioners, and lighting.

Key Features:

- Large LCD display for clear visibility.
- 20 ON/OFF programs for flexible scheduling.
- 7-day / 24-hour programming options.
- Manual control switch (ON/AUTO/OFF).
- Built-in rechargeable battery for program retention during power outages (standby >100 hours).
- Special functions: Anti-theft Random, Countdown, Summer Time, 12/24 Hour Switching.

4. SETUP

4.1 Initial Charging and Reset

The device contains a built-in rechargeable battery. Upon first receipt or after a long period of disuse, the display may not show anything due to a discharged battery.

1. Plug the timer into a standard power outlet for at least **10 minutes** (or up to 2 hours if completely depleted) to charge the internal battery.
2. After charging, locate the **RESET (R) button** on the front panel (often a small recessed button).
3. Use a pointed object (like a pen tip) to press the RESET button. The display will clear and show 00:00. This initializes the timer for programming.

4.2 Setting Current Time

Before setting programs, ensure the current time and day are correctly set.

1. Press and hold the **CLOCK button**.
2. While holding CLOCK, press the **WEEK button** repeatedly to select the current day of the week (MO, TU, WE, TH, FR, SA, SU).
3. While holding CLOCK, press the **HOUR button** repeatedly to set the current hour.
4. While holding CLOCK, press the **MIN button** repeatedly to set the current minute.
5. Release the CLOCK button. The current time and day are now set.

4.3 12/24 Hour Switching

To switch between 12-hour (AM/PM) and 24-hour display formats:

- Press the **CLOCK button** and **MODE button** simultaneously. The display will toggle between 12-hour and 24-hour format.

5. OPERATING INSTRUCTIONS

5.1 Programming ON/OFF Times

The timer allows for up to 20 ON/OFF programs. Each program consists of an ON time and an OFF time.

1. Press the **PROG button** once. The display will show "1 ON" and the time will flash.
2. Press **WEEK** to select the desired day(s) for this program. You can choose individual days, weekdays, weekends, or all 7 days.
3. Press **HOUR** to set the ON hour.
4. Press **MIN** to set the ON minute.
5. Press **PROG** again. The display will show "1 OFF" and the time will flash.
6. Press **WEEK** to select the desired day(s) for this OFF program (usually matching the ON program).
7. Press **HOUR** to set the OFF hour.
8. Press **MIN** to set the OFF minute.
9. Repeat steps 1-8 for additional programs (up to 20).
10. After setting all desired programs, press the **CLOCK button** to return to the current time display.



Image 5.1: The timer socket set to turn on a coffee machine at 7:50 AM and turn off a fan at 8:00 AM, demonstrating automated control.

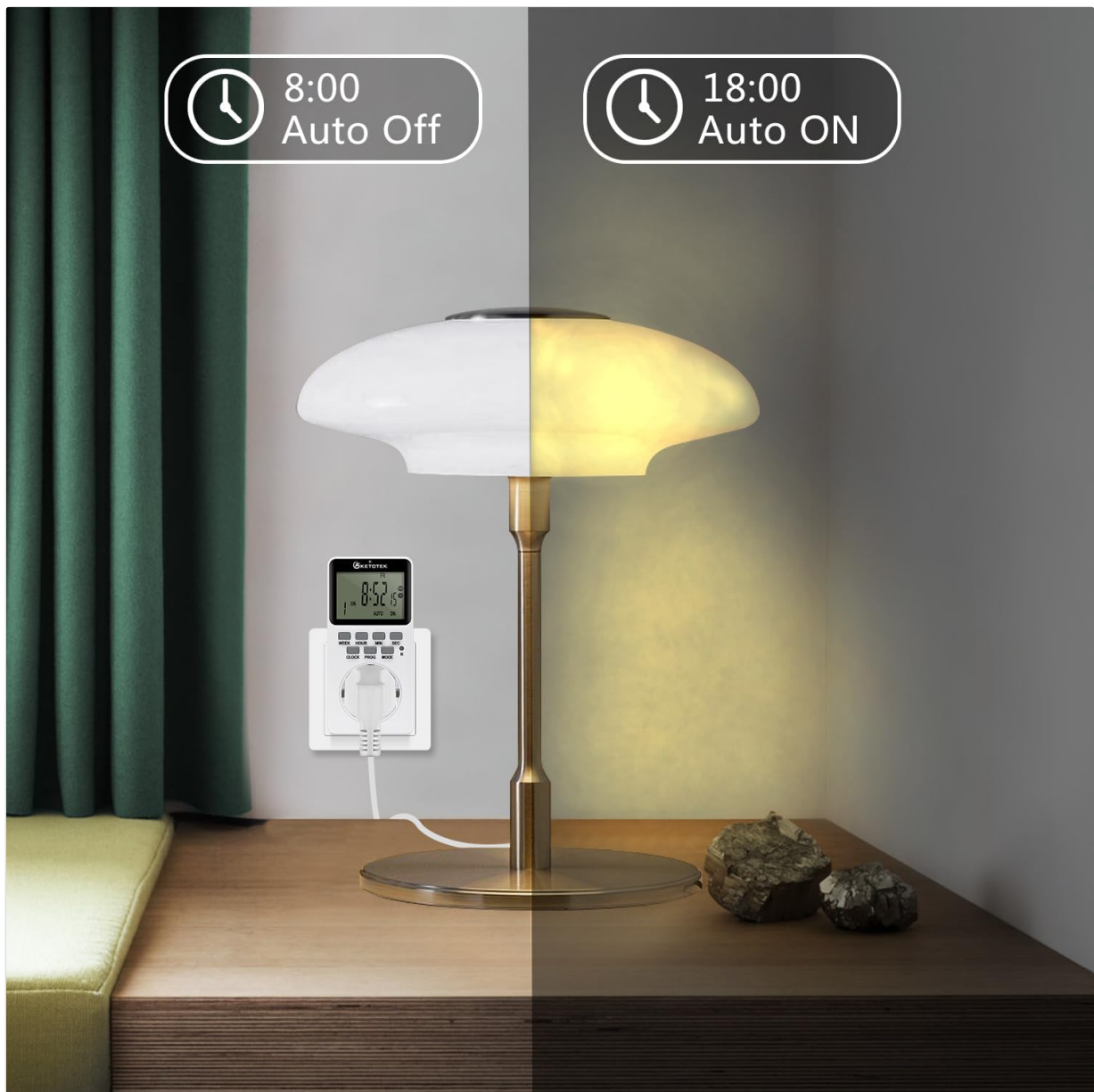


Image 5.2: A lamp connected to the timer socket, illustrating an automatic OFF time at 8:00 and an automatic ON time at 18:00 (6:00 PM).

5.2 Manual Override (MODE Button)

The **MODE button** allows you to cycle through different operating states:

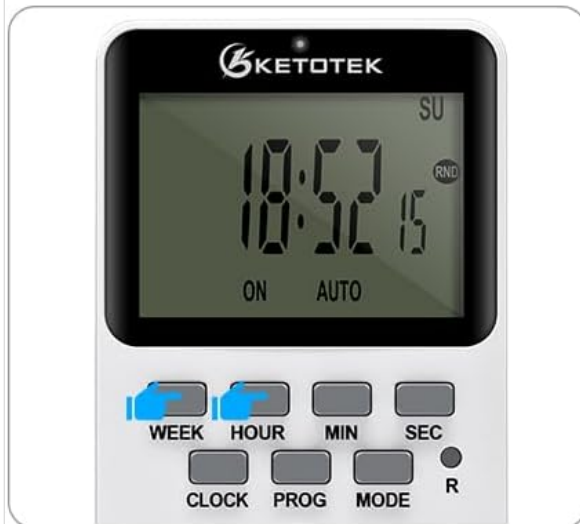
- **ON:** The connected appliance is continuously ON, overriding all programs.
- **AUTO:** The timer operates according to the programmed ON/OFF times. This is the standard operating mode.
- **OFF:** The connected appliance is continuously OFF, overriding all programs.

Press the MODE button repeatedly to select the desired state.

5.3 Special Functions

The KETOTEK Digital Timer Socket includes several special functions for enhanced utility.

Special Functions



Anti-theft Radom Function



Countdown Function



Summer Time Setting



12/24 Hours Switching

Image 5.3: Visual representation of the timer's display for Anti-theft Random Function, Countdown Function, Summer Time Setting, and 12/24 Hours Switching.

5.3.1 Anti-theft Random Function

This function randomly turns the connected appliance (e.g., a light) ON and OFF within a set period, creating the impression that someone is home, even when you are away.

1. Ensure the timer is in **AUTO mode**.
2. Press the **RANDOM button** (often labeled RND or integrated with another button). The "RND" indicator will appear on the display.
3. The timer will now randomly activate and deactivate the connected device based on its internal logic, within the programmed ON/OFF times.
4. To deactivate, press the RANDOM button again. The "RND" indicator will disappear.



Image 5.4: The timer socket displaying the active Anti-theft Random Function, illustrated with a house and a stylized burglar, indicating enhanced home security.

5.3.2 Countdown Function

This function allows you to set a countdown timer for the appliance to turn ON or OFF after a specified duration.

- The Countdown and Random functions are not compatible. Activating one will deactivate the other.
- Refer to the specific instructions on the device's display or a dedicated button for setting the countdown duration (e.g., press MODE until "CD" appears, then use HOUR/MIN/SEC to set time).

5.3.3 Summer Time Setting

This feature allows for a quick adjustment for Daylight Saving Time.

- Press the **CLOCK** button and **SUMMER TIME** button (or a combination like HOUR and MIN) simultaneously. The display will show "+1h" or similar, indicating a one-hour advance.
- Repeat the action to revert to standard time.

6. MAINTENANCE

- Clean the timer with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Ensure the timer is unplugged from the power outlet before cleaning.
- Store the timer in a dry place when not in use.

7. TROUBLESHOOTING

7.1 Display is blank or not working

- **Cause:** The internal rechargeable battery is depleted.
- **Solution:** Plug the timer into a live power outlet for at least 10 minutes (up to 2 hours for a full charge). Then, press the RESET button with a pointed object.

7.2 Programs are not executing

- **Cause 1:** The timer is not in AUTO mode.
- **Solution 1:** Press the MODE button until "AUTO" is displayed.
- **Cause 2:** Incorrect time or day setting.
- **Solution 2:** Re-check and adjust the current time and day as described in Section 4.2.
- **Cause 3:** Programs were not saved correctly or are conflicting.
- **Solution 3:** Review and re-enter your programs as described in Section 5.1. Ensure ON and OFF times do not overlap illogically.

7.3 Random or Countdown function not working

- **Cause:** Random and Countdown functions are mutually exclusive.
- **Solution:** Ensure only one of these functions is activated at a time. Activating one will deactivate the other.

8. SPECIFICATIONS

Feature	Specification
Model Number	KTTS01
Installation Type	Plug-in
Power Supply	220VAC 50Hz
Max Output	16A 3600W
Operating Temperatures	0~55°C
IP Level	IP20 (Indoor use only)
Battery Standby	>100 hours
Programs	20 ON/OFF, Minimum setting 1 second
Accuracy	±2 minutes per month
Dimensions (D x W x H)	7.8 cm x 5.9 cm x 12 cm

Color

White

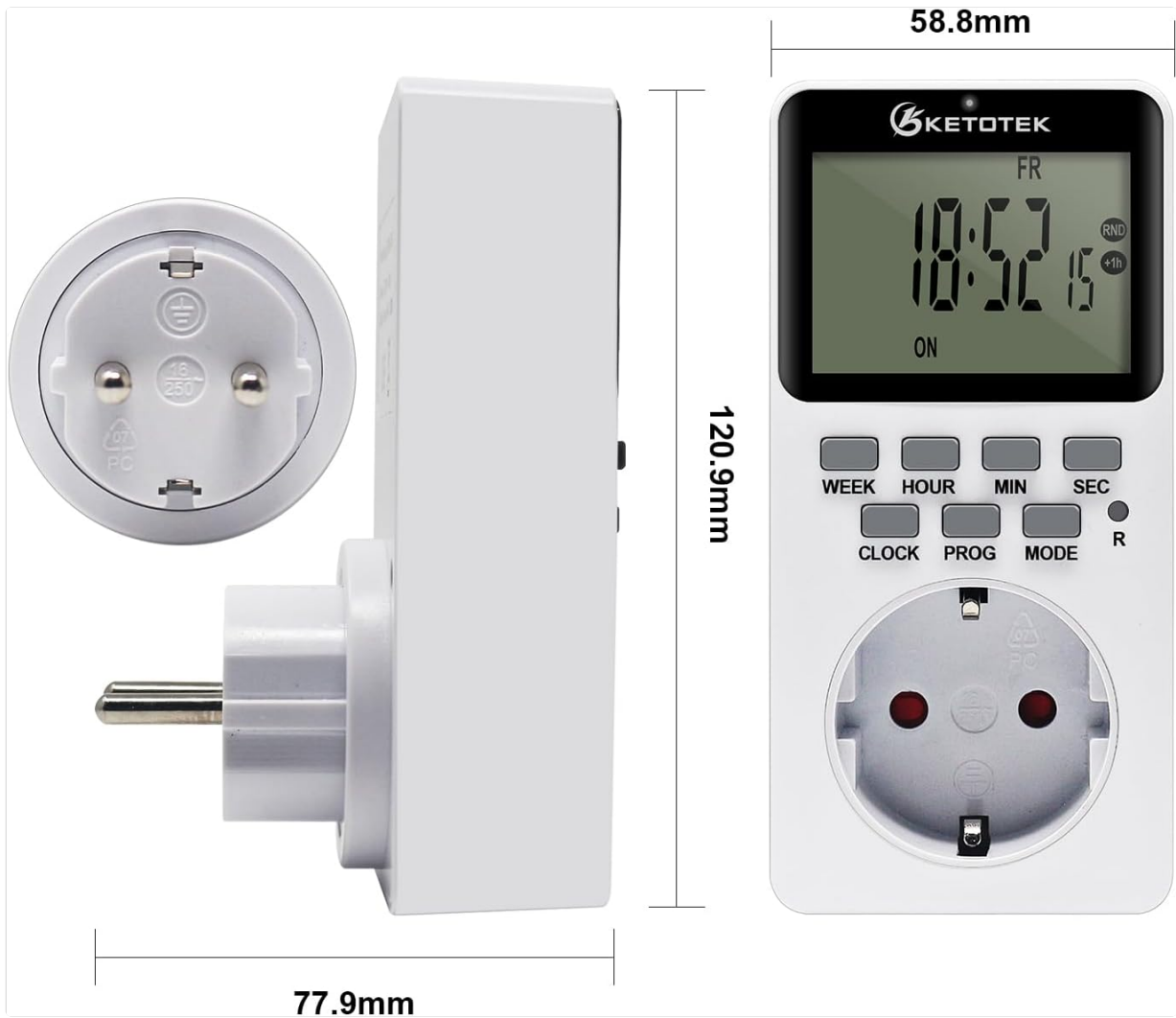


Image 8.1: Detailed dimensions of the KETOTEK Digital Timer Socket, showing its height (120.9mm), width (58.8mm), and depth (77.9mm).

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact KETOTEK customer service through the retailer where the product was purchased. Please have your model number (KTTS01) and purchase details ready.