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> [NEARPOW Outdoor Dimmer for String light, Dusk to Dawn Dimmer Switch Plug with 2 Sockets & Larger Screen, IP44 Weatherproof 100FT Wireless Remote Control Light Dimming Timer for Led Lamp,Max Power 600W](#)

NEARPOW TE-HD01

NEARPOW Outdoor Dimmer User Manual

Model: TE-HD01

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your NEARPOW Outdoor Dimmer (Model TE-HD01). Please read this manual thoroughly before using the product to ensure safe and efficient operation. This dimmer is designed to control outdoor string lights and other compatible dimmable lamps, offering features such as remote control, customizable countdowns, and brightness adjustment.

SAFETY INFORMATION

- Ensure the product is connected to a grounded outlet.
- Do not exceed the maximum power rating of 600W incandescent or 200W LED/CFL.
- This device is rated IP55 weatherproof. While designed for outdoor use, avoid submerging it in water or exposing it to extreme weather conditions.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure all connections are secure before operation.

PRODUCT OVERVIEW

Components



Image: The NEARPOW Outdoor Dimmer unit with its attached power cord and two grounded outlets, alongside its wireless remote control. The dimmer features a large LCD screen and control buttons.

- **Dimmer Unit:** Main control unit with power plug, two grounded outlets, LCD screen, and control buttons.
- **Wireless Remote Control:** For convenient operation from a distance of up to 100 feet (30 meters). Requires 2 AAA batteries (not included).

Key Features

- **Dual Control:** Operate via built-in buttons on the dimmer or the wireless remote control.
- **Customizable Countdown Function:** Set lights to turn off after a specific duration (up to 23 hours, 59 minutes) or use Dusk-to-Dawn mode.
- **Large LCD Screen:** Backlit display shows remaining countdown time and settings, suitable for low-light conditions.
- **Dual Grounded Outlets:** Control two dimmable lights simultaneously.
- **10 Levels Brightness Adjustment:** Stepless dimming from 10% to 100% via dimmer buttons, or quick adjustments (25%/50%/75%/100%) via remote.
- **Repeat Function:** Automatically repeats previous settings daily until manually turned off.
- **Memory Function:** Retains previous settings after power loss.
- **Weatherproof Design:** IP55 rated for outdoor use.

SETUP

1. **Unpack:** Carefully remove the dimmer unit and remote control from the packaging.
2. **Install Remote Batteries:** Open the battery compartment on the back of the remote control and insert 2 AAA batteries, observing polarity (+/-). Close the compartment.
3. **Placement:** Choose a suitable outdoor location for the dimmer unit, ensuring it is protected from direct heavy rain and is easily accessible. The unit can be mounted using the integrated mounting holes if desired.
4. **Plug In Dimmer:** Insert the dimmer unit's power plug into a standard 120V AC grounded outdoor electrical outlet.
5. **Connect Lights:** Plug your dimmable string lights or other compatible lamps into the two grounded outlets on the bottom of the dimmer unit. Ensure the total wattage does not exceed 600W incandescent or 200W LED/CFL.



0%

100%

Dim Your Indoor/Outdoor Light

Operate with remote control or buttons on dimmer, choose your preferred brightness freely.



Image: The NEARPOW Outdoor Dimmer unit securely mounted on a tree trunk, with string lights plugged into its outlets, illuminating an outdoor space.

OPERATING INSTRUCTIONS

Basic On/Off and Brightness Control

- **Power On/Off:** Press the **ON/OFF** button on the dimmer unit or the remote control to turn the connected lights on or

off.

- **Adjust Brightness (Dimmer Unit):** Use the **UP** and **DOWN** arrow buttons on the dimmer unit to steplessly adjust brightness from 10% to 100%.
- **Adjust Brightness (Remote Control):**
 - Press the **25%**, **50%**, **75%**, or **100%** buttons for quick brightness presets.
 - Use the **+** and **-** buttons for incremental brightness adjustments.

WHY CHOOSE US?

OUR BRAND

OTHERS

LARGE SCREEN

YES

NO

CUSTOMIZE COUNTDOWN FUNCTION

YES

NO

MEMORY FUNCTION

YES

NO

DUAL GROUNDER OUTLET

YES

NO

REMOTE CONTROLLER & BUTTONS

YES

NO

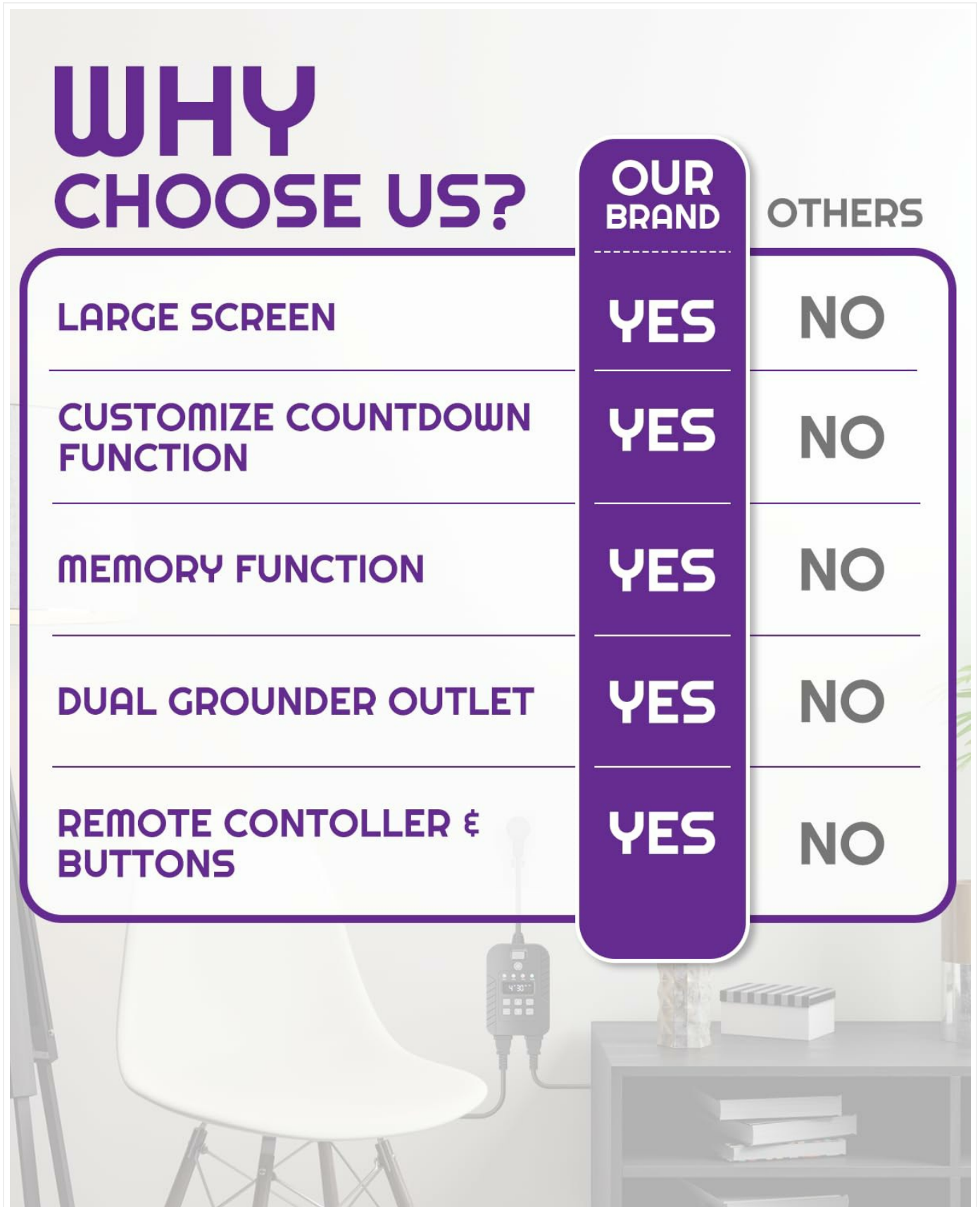


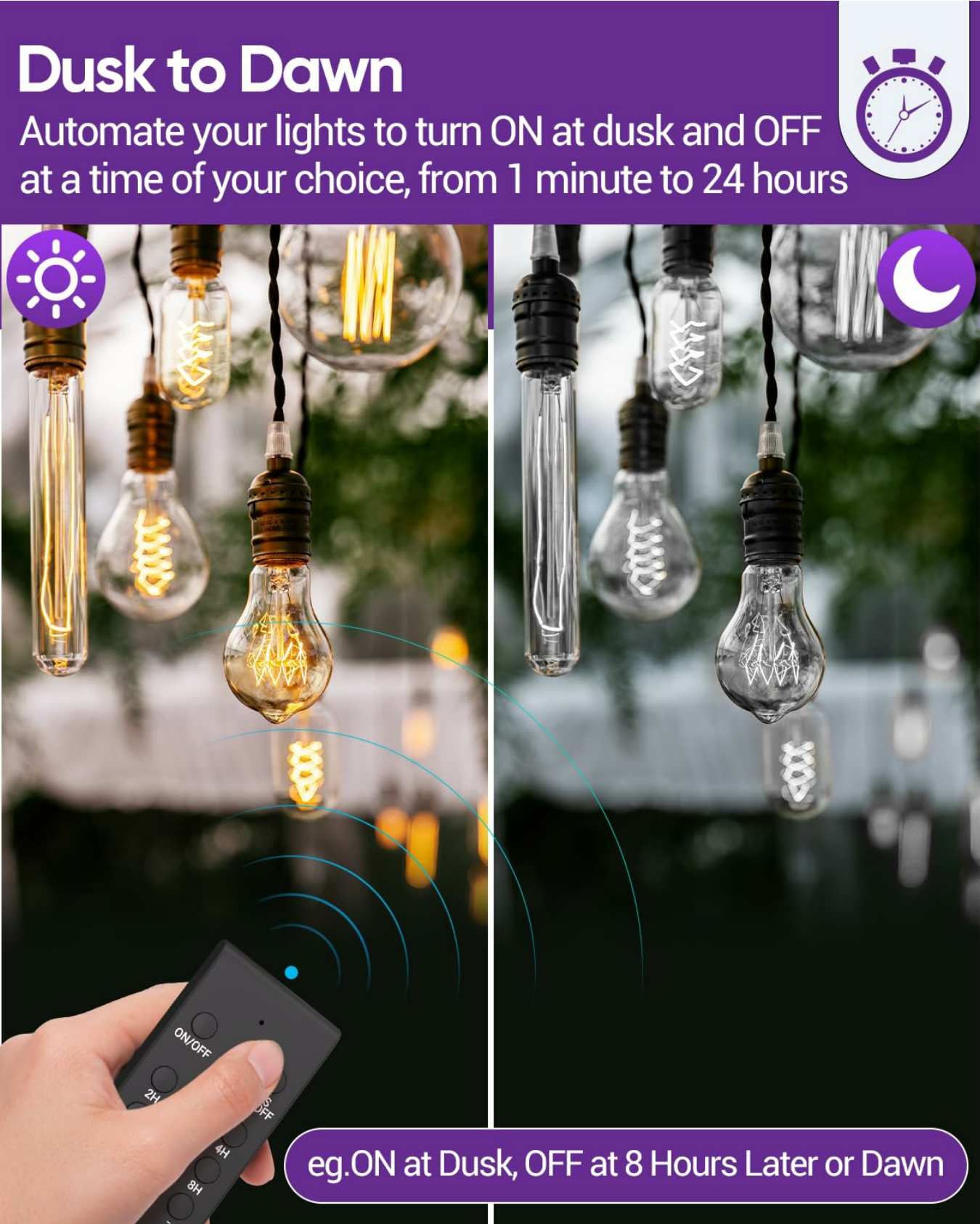
Image: An indoor living space with string lights, demonstrating the use of the remote control to adjust the brightness of the lights.

Dusk-to-Dawn Mode and Countdown Timer

The dimmer features a built-in photocell sensor for automatic dusk-to-dawn operation and a customizable countdown timer.

Dusk to Dawn

Automate your lights to turn ON at dusk and OFF at a time of your choice, from 1 minute to 24 hours



eg. ON at Dusk, OFF at 8 Hours Later or Dawn

Image: A visual representation of the Dusk-to-Dawn function, showing string lights automatically turning on as dusk

approaches and turning off at dawn.

1. **Activate Dusk-to-Dawn:** Press the **CDS ON/OFF** button on the dimmer unit or remote control. The lights will turn on automatically at dusk and off at dawn.
2. **Set Countdown Timer (Remote Control):** While in Dusk-to-Dawn mode, press **2H**, **4H**, **6H**, or **8H** on the remote to set the lights to turn off after 2, 4, 6, or 8 hours respectively, instead of dawn.
3. **Set Precise Countdown Timer (Dimmer Unit):**
 - Press the **HOUR** button to set the desired hours (0-23). Each press increments the hour.
 - Press the **MIN** button to set the desired minutes (0-59). Each press increments the minute.
 - The countdown will begin automatically after setting. The LCD screen will display the remaining time.

600W Output Max

Fits for multiple light strings

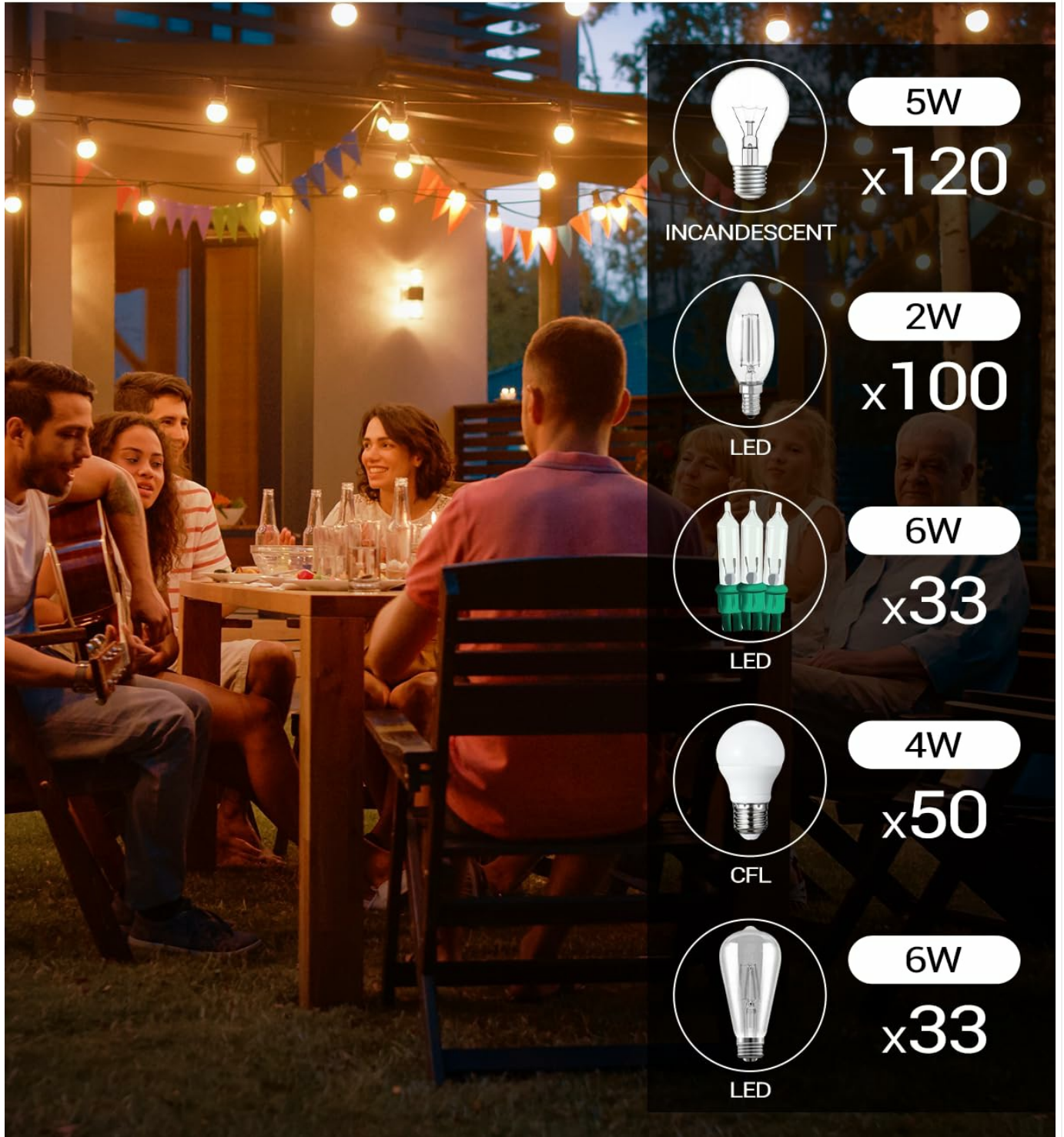


Image: A hand interacting with the dimmer unit's buttons to set a precise countdown timer, with the LCD screen displaying the time.

Repeat Function

The repeat function allows the dimmer to automatically run your previous settings (e.g., countdown timer, brightness level) daily until you manually turn it off. It repeats once per day.

1. After setting your desired countdown or dusk-to-dawn schedule, press the **REPEAT ON/OFF** button on the dimmer

unit.

2. The repeat indicator on the LCD screen will illuminate, confirming the function is active.
3. To deactivate the repeat function, press the **REPEAT ON/OFF** button again.

MAINTENANCE

- **Cleaning:** Disconnect the dimmer from power before cleaning. Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** If storing for an extended period, disconnect from power and store in a cool, dry place. Remove batteries from the remote control.
- **Inspection:** Periodically inspect the power cord and plug for any signs of damage. Do not use if damaged.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	No power to the dimmer. Lights not properly plugged in. Lights are not dimmable. Exceeded maximum wattage.	Check wall outlet power. Ensure lights are securely plugged into dimmer outlets. Verify lights are compatible dimmable types. Reduce total wattage of connected lights.
Remote control not working.	Dead or incorrectly installed batteries. Out of range. Obstruction between remote and dimmer.	Replace AAA batteries; check polarity. Move closer to the dimmer unit (within 100ft/30m). Ensure clear line of sight.
Dusk-to-Dawn not functioning.	CDS ON/OFF not activated. Photocell sensor obstructed or in bright area.	Press CDS ON/OFF button. Ensure photocell is clear and exposed to ambient light/darkness.
Countdown timer not accurate.	Incorrect setting.	Re-enter desired hours and minutes using HOUR and MIN buttons, confirming each.

SPECIFICATIONS

Parameter	Value
Model Number	TE-HD01
Input Voltage	120V AC, 60Hz
Max Power (Incandescent)	600W
Max Power (LED/CFL)	200W
Wireless Range	Up to 100 feet (30 meters)
IP Rating	IP55 Weatherproof

Parameter	Value
Dimensions (Dimmer Unit)	Approx. 17.7 x 15.19 x 5.21 cm
Weight	Approx. 349 g
Material	Metal
Operation Mode	ON-OFF-ON
Switch Type	Push Button

Repeat Function

Automatically repeats your setting at the same time until you turn it off (**won't repeat more than once a day**).



Image: An illustration detailing the maximum power output of 600W and examples of compatible bulb types and their typical wattages, such as incandescent, LED, and CFL.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact NEARPOW customer service. Refer to the product packaging or the official NEARPOW website for contact details.

Manufacturer: NEARPOW

Model: TE-HD01

ASIN: B0D17PRPWM



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