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› DEWENWILS Outdoor Mechanical Light Timer (Model TM-080) Instruction Manual

DEWENWILS TM-080

DEWENWILS Outdoor Mechanical Light Timer (Model TM-080) Instruction Manual

Model: TM-080 | Brand: DEWENWILS

INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your DEWENWILS Outdoor Mechanical Light Timer, Model TM-080. This device is designed to automate the on/off cycles of outdoor lighting and other electrical appliances, offering convenience and energy management. Please read this manual thoroughly before installation and operation.



Image: Two DEWENWILS Outdoor Mechanical Light Timers, showing the timer dial, manual switch, and two grounded outlets on each unit.

SAFETY INFORMATION

WARNING: To reduce the risk of fire or electric shock, carefully follow these instructions.

- This timer is rated for 125V, 60Hz, 15A Max, 1875W Resistive or General Purpose, 1/2HP. Do not exceed these ratings.
- The product is UL Listed, ensuring compliance with safety standards.
- Always ensure the timer is securely plugged into a grounded outlet.
- Do not immerse the timer in water or other liquids.
- Ensure the protective cover is properly closed when used outdoors to shield against weather conditions.
- For outdoor installation, mount the timer at least 2 feet off the ground vertically to prevent water accumulation.

- Disconnect power before servicing or cleaning.
- Keep children away from the timer.
- Do not use with extension cords that are not rated for outdoor use or do not have proper grounding.

WATERPROOF

Made of waterproof material
working well in rain and snow



* Note: Please mount the timer 2 feet off the ground vertically.

Image: The DEWENWILS timer installed outdoors during winter, demonstrating its weather-resistant design. Note the recommendation to mount 2 feet off the ground.

OVERLOAD PROTECTION

Auto cut off when exceeding rated power
DEWENWILS safeguards your electrical safety



Image: Visual representation of the timer's overload protection feature, highlighting its maximum capacity of 1875W, 15 Amps, and 125 Volts.

PRODUCT OVERVIEW

The DEWENWILS Outdoor Mechanical Light Timer (Model TM-080) is a robust device designed for reliable outdoor use.

Key Features:

- **24-Hour Programmable Cycle:** Allows for daily repeat settings with 30-minute intervals, offering 48 setting options within a 24-hour period.
- **Outdoor Durability:** Features a protective cover against weather conditions and is constructed with heavy-duty materials and an SJTW 14-3 grounded cord.
- **Dual Grounded Outlets:** Equipped with two grounded outlets that can be controlled simultaneously.
- **Manual Override Switch:** A switch to select between TIMER mode and continuous ON mode.
- **UL Listed:** Certified for safety and quality standards.

Components:

1. **Timer Dial:** The central rotating dial with numbers representing hours (1-12 AM/PM).
2. **Setting Pins:** Small, push-down/pull-up pins around the timer dial for setting ON/OFF intervals. Each pin represents 30 minutes.
3. **Manual Override Switch:** Located below the timer dial, typically labeled "TIMER" and "ON".
4. **Grounded Outlets:** Two 3-prong outlets for connecting devices.
5. **Protective Cover:** A clear, hinged cover to protect the dial and switch from elements.
6. **Power Cord:** Integrated SJTW 14-3 grounded power cord.

SETUP INSTRUCTIONS

Follow these steps to set up your DEWENWILS mechanical timer.

1. **Prepare the Timer:** Ensure all pins around the timer dial are in the UP position before starting. Each pin represents a 30-minute interval.
2. **Set Current Time:** Rotate the timer dial clockwise until the current time aligns with the "TIME" arrow indicator. The dial is marked for 24 hours (1-12 AM and 1-12 PM).
3. **Program ON/OFF Times:**
 - To set an "ON" period, push down the pins corresponding to the desired ON duration. For example, to turn on from 6:00 PM to 10:00 PM, push down the pins from 6 PM to 10 PM.
 - To set an "OFF" period, leave the pins in the UP position for the desired OFF duration.
 - The minimum interval for programming is 30 minutes (one pin).
4. **Set Manual Override Switch:** Locate the switch below the timer dial. Slide it to the "TIMER" position for automatic operation based on your programmed settings. If you want the connected devices to remain continuously on, slide the switch to "ON".
5. **Plug In:** Plug the timer into a grounded outdoor electrical outlet. Then, plug your outdoor lights or appliances into the timer's grounded outlets.

SIMPLE AND CONVENIENT TO SET TIMER



Image: A hand demonstrating how to push down the pins on the timer dial to set the "ON" periods. The image also illustrates that each pin represents a 30-minute interval.

EASY TO USE

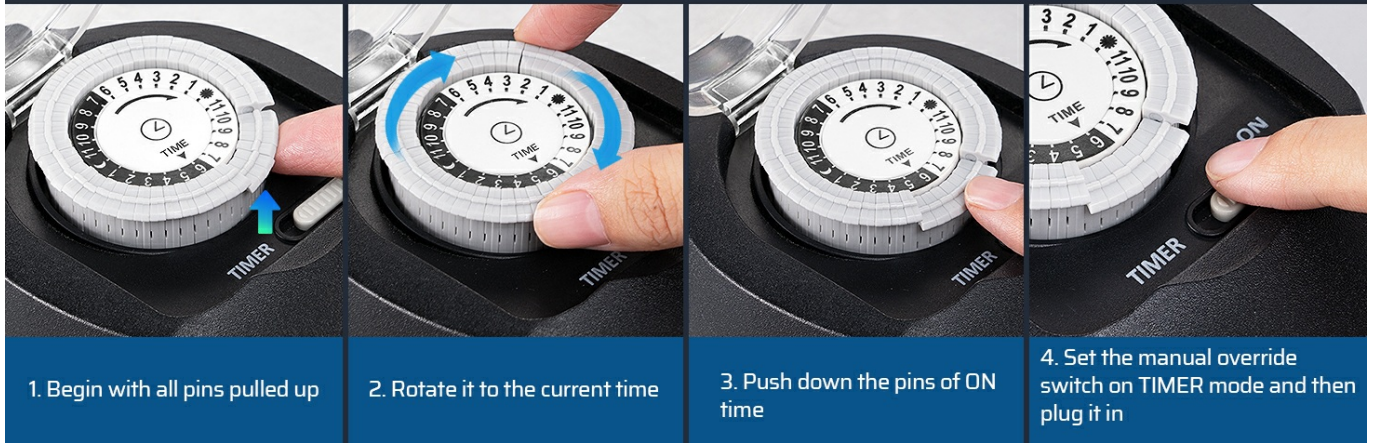


Image: A four-step visual guide showing the process of setting the timer: 1. Pull all pins up. 2. Rotate dial to current time. 3. Push down ON pins. 4. Set switch to TIMER mode and plug in.

OPERATING INSTRUCTIONS

Once the timer is set up, its operation is straightforward.

Timer Mode:

When the manual override switch is set to "TIMER", the connected devices will turn ON and OFF according to the pins you have pushed down on the dial. The timer dial will continuously rotate, completing a full cycle every 24 hours.

24 HOUR CYCLE

Daily cycle with just 1 setting



Image: Diagram illustrating the 24-hour daily cycle of the timer, indicating how a single setting repeats each day.

ON Mode:

If you slide the manual override switch to "ON", the timer will bypass the programmed settings, and the connected devices will remain continuously powered. This is useful for situations where you need constant power, such as for a water fountain.

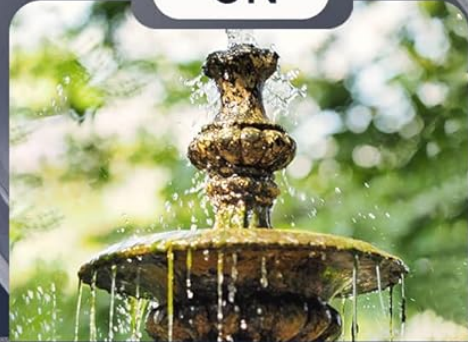
2 DIFFERENT MODES

TIMER



Timer function

ON



Always powering



Image: Close-up of the timer showing the manual override switch with "TIMER" and "ON" positions, alongside examples of usage for each mode (timer for lights, ON for a fountain).

MAINTENANCE

The DEWENWILS Outdoor Mechanical Light Timer requires minimal maintenance.

- **Cleaning:** Disconnect the timer from the power source before cleaning. Wipe the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the protective cover is clean and free of debris to maintain

visibility of the dial.

- **Inspection:** Periodically inspect the power cord and plug for any signs of damage. If damage is found, discontinue use and replace the unit.
- **Storage:** If storing the timer for an extended period, ensure it is clean and dry. Store in a cool, dry place away from direct sunlight.

TROUBLESHOOTING

If you encounter issues with your timer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Timer does not turn ON/OFF at programmed times.	Manual override switch is in "ON" position. Pins are not set correctly. Current time is not set correctly. Power outage.	Slide switch to "TIMER" mode. Ensure pins are pushed down for ON times and up for OFF times. Rotate dial to align current time with the "TIME" arrow. Reset the current time after power is restored.
Connected device does not receive power.	Timer is not plugged in. Device is not plugged into timer. Timer is in an OFF cycle. Overload protection activated.	Ensure timer is securely plugged into a live outlet. Verify device is properly plugged into one of the timer's outlets. Check programmed settings; wait for an ON cycle or switch to "ON" mode. Unplug devices, reduce total wattage, and plug back in.
Timer dial is not rotating.	Timer is not receiving power. Internal mechanism fault.	Check power supply to the timer. Contact customer support if power is confirmed and dial still does not rotate.

SPECIFICATIONS

Specification	Value
Model Number	TM-080
Brand	DEWENWILS
Operation Mode	Automatic
Current Rating	15 Amps
Operating Voltage	125 Volts (AC)
Wattage	1875 Watts Max
Horsepower	1/2 HP
Contact Type	Normally Open
Connector Type	2 Pin (Grounded)

Specification	Value
Terminal	Quick-connect
Circuit Type	Parallel
Contact Material	Copper
Item Dimensions (L x W x H)	4 x 4 x 6 inches
Item Weight	1.23 pounds
Color	Black
Certifications	UL Listed

WARRANTY AND SUPPORT

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

DEWENWILS Customer Service:

- Website: www.dewenwils.com (Note: This is a placeholder link, please verify the actual support website)
- Email: Refer to product packaging
- Phone: Refer to product packaging

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question