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TESSAN BND-60/U208D

TESSAN Mechanical 24-Hour Outlet Timer

Model: BND-60/U208D

1. Introduction

Thank you for choosing the TESSAN Mechanical 24-Hour Outlet Timer. This device is designed to automate the ON/OFF cycles of your indoor electrical appliances, providing convenience and energy savings. With 48 programmable settings within a 24-hour cycle, you can easily manage your routine for various devices.

This timer features dual 3-prong grounded outlets, allowing two devices to be controlled simultaneously. It is suitable for a variety of applications, including lamps, Christmas lights, fans, and other small appliances.



Image 1.1: Two TESSAN Mechanical 24-Hour Outlet Timers.

2. Important Safety Information

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or property damage.

- **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 electrical ratings of 125Vac, 60 Hz, 1875W resistive, 10A 1250W tungsten, or 1/2 horsepower. Overloading the timer can cause overheating and fire.
- **Grounded Outlets:** Ensure the timer is plugged into a properly grounded 3-prong outlet.
- **Children and Pets:** Keep out of reach of children and pets.
- **Unplug When Not in Use:** Disconnect the timer from the power outlet when not in use or before cleaning.
- **Do Not Disassemble:** Do not attempt to disassemble or modify the timer. There are no user-serviceable parts inside.

3. Package Contents

Verify that all items are present in your package:

- TESSAN Mechanical 24-Hour Outlet Timer (2 units)
- Instruction Manual (this document)

4. Product Features

- **24-Hour Cycle:** Provides daily recurring ON/OFF scheduling.
- **48 Programmable Settings:** Each pin represents a 30-minute interval, allowing precise control.
- **Dual 3-Prong Outlets:** Control two devices simultaneously.
- **High Power Rating:** Supports up to 1875W, suitable for various household appliances.
- **Manual Override Switch:** Easily switch between 'ON' (always on) and 'TIMER' (programmed schedule).
- **Compact Design:** Does not block adjacent wall outlets.



Image 4.1: Key components of the TESSAN Mechanical Timer.

5. Setup Instructions

5.1 Setting the Current Time

1. Rotate the entire dial clockwise until the current time aligns with the 'Current Time' arrow indicator on the timer's face.
2. The dial is marked with AM and PM hours. Ensure you set the correct AM/PM time.

5.2 Programming ON/OFF Times

The timer dial has small pins around its circumference. Each pin represents a 30-minute interval.

- **To set an 'ON' period:** Push the pins **down** for the desired duration. When the dial rotates to these pushed-down pins, the connected appliance will turn ON.

- **To set an 'OFF' period:** Pull the pins **up** for the desired duration. When the dial rotates to these pulled-up pins, the connected appliance will turn OFF.



Image 5.1: Setting ON/OFF intervals using the timer pins.

5.3 Setting the Operating Mode

On the side of the timer, there is a slide switch to select the operating mode:

- **'ON' Position:** The timer will bypass the programmed schedule, and the connected appliances will remain continuously ON.
- **'TIMER' Position:** The timer will operate according to your programmed ON/OFF schedule.

6. Operating Instructions

1. **Set Current Time:** Follow Section 5.1 to set the current time on the dial.
2. **Program Schedule:** Follow Section 5.2 to push down pins for desired ON times and pull up pins for OFF times.

3. **Select Mode:** Set the side switch to the 'TIMER' position.
4. **Plug In:** Insert the TESSAN timer into a standard 3-prong wall outlet.
5. **Connect Appliances:** Plug your desired appliances into the dual 3-prong outlets on the timer. Ensure the total wattage does not exceed 1875W.



Image 6.1: TESSAN Timer connected to appliances, demonstrating its 1875W power rate.



Image 6.2: Examples of timer usage with a coffee maker and an aquarium.

7. Maintenance

- **Cleaning:** Unplug the timer before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the timer in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Appliance does not turn ON/OFF at programmed times.	• Side switch is in 'ON' position. • Pins are not set correctly. • Current time is not set correctly. • Timer is not receiving power.	• Move the side switch to the 'TIMER' position. • Ensure pins are pushed down for ON and pulled up for OFF during desired intervals. • Verify the current time is accurately aligned with the 'Current Time' arrow. • Check if the wall outlet has power.
Timer dial is not rotating or is rotating incorrectly.	• Timer is not plugged in. • Internal mechanism issue. • New timer may need to run for a period to stabilize.	• Ensure the timer is securely plugged into a live outlet. • If the timer is new and seems to run slow initially, allow it to operate for a few days. Mechanical timers can sometimes take a short period to achieve consistent 24-hour rotation. • If the issue persists, contact customer support.
Connected appliance is not working.	• Appliance is faulty. • Timer is overloaded.	• Test the appliance by plugging it directly into a wall outlet. • Ensure the total wattage of connected devices does not exceed 1875W.

9. Specifications

- **Brand:** TESSAN
- **Model:** BND-60/U208D
- **Voltage:** 125Vac
- **Frequency:** 60 Hz
- **Max Load:** 1875W Resistive, 10A 1250W Tungsten, 1/2 HP
- **Programmable Intervals:** 30 minutes (48 per 24-hour cycle)
- **Outlets:** Dual 3-Prong Grounded
- **Dimensions:** 2.6"D x 1.61"W x 3.15"H
- **Material:** Plastic
- **Item Weight:** 11.3 ounces
- **Indoor Use:** Yes



Image 9.1: TESSAN Timer features and specifications overview.

10. Warranty and Support

TESSAN products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official TESSAN website.
Please retain your proof of purchase for warranty claims.

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