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› [TN311 Heavy-Duty 24-Hour Indoor Mechanical Plug-in Timer - Efficient Control, Customizable Scheduling - Timer for Lighting, Fans & Small Appliances 1 Pack](#)

Intermatic TN311

Intermatic TN311 Heavy-Duty 24-Hour Indoor Mechanical Plug-in Timer User Manual

Efficient Control, Customizable Scheduling for Lighting, Fans & Small Appliances

1. PRODUCT OVERVIEW

The Intermatic TN311 is a heavy-duty 24-hour indoor mechanical plug-in timer designed to automate the on/off cycles of various electrical appliances. It features a grounded receptacle and a 3-prong plug, making it suitable for heavy electrical loads such as air conditioners, heaters, lighting, and fans. This timer allows for up to 3 ON and 3 OFF settings per day, providing convenient and energy-efficient control over your devices.



Figure 1.1: The Intermatic TN311 Mechanical Plug-in Timer with its retail packaging.

2. SETUP INSTRUCTIONS

Follow these steps to set up your Intermatic TN311 timer:

1. **Set the Current Time:** Rotate the timer dial clockwise until the current time aligns with the 'TIME OF DAY' arrow indicator. The dial is marked with AM/PM hours.
2. **Insert 'ON' Trippers:** Locate the green 'ON' trippers. Insert them firmly into the desired slots on the dial surface corresponding to the times you want your appliance to turn ON.
3. **Insert 'OFF' Trippers:** Locate the red 'OFF' trippers. Insert them firmly into the desired slots on the dial surface corresponding to the times you want your appliance to turn OFF. The timer includes 3 ON and 3 OFF trippers, allowing for multiple daily cycles.
4. **Plug in the Timer:** Plug the TN311 timer directly into a standard 120V AC wall outlet.
5. **Connect Your Appliance:** Plug the appliance you wish to control into the grounded receptacle on the side of the timer.

EASY SETUP

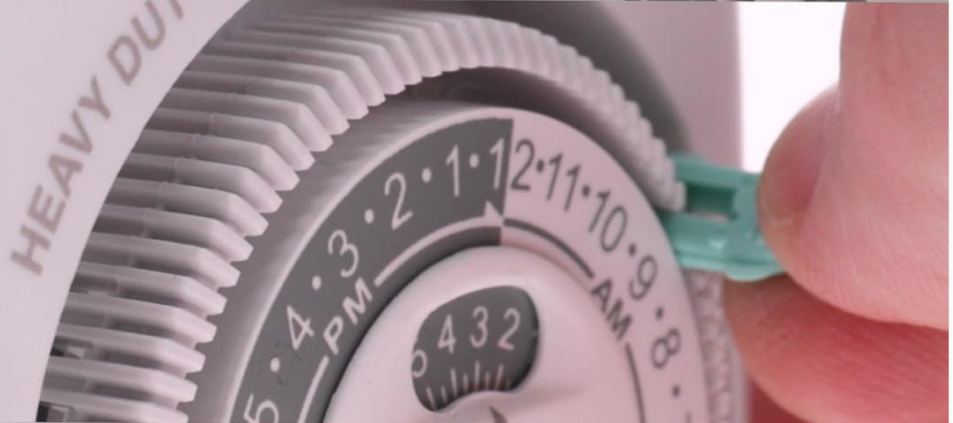
1

Rotate the Dial
to Set the
Current Time.



2

Insert an “ON”
Tripper at the
Start Time



3

Insert an “OFF”
Tripper at the
End Time



Figure 2.1: Visual guide for setting the time and inserting ON/OFF trippers.

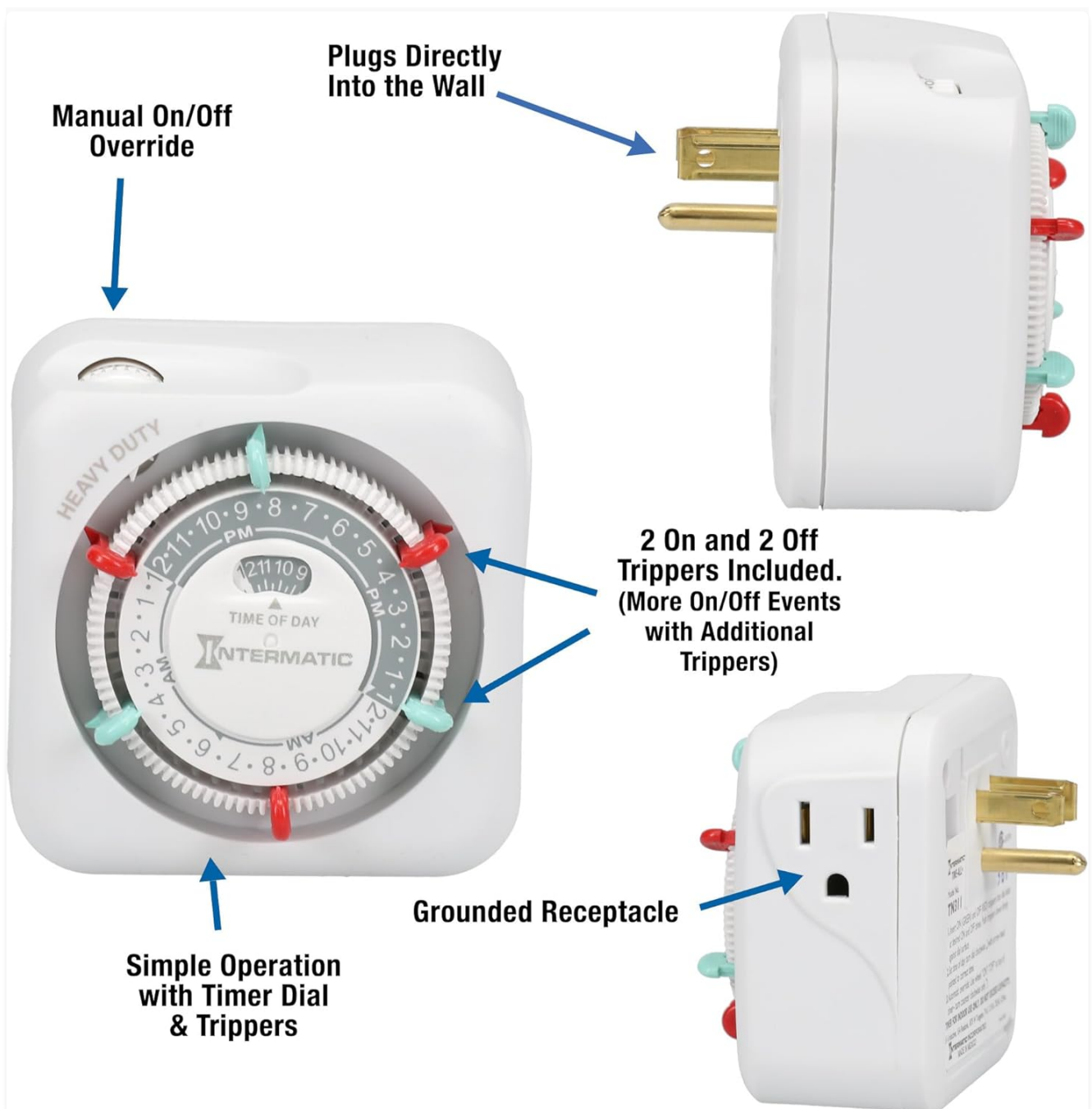


Figure 2.2: Key components of the TN311 timer, including the manual override and grounded receptacle.

Setup Video Guide

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Video 2.1: An official overview of the Intermatic TN311 Heavy-duty 24-Hour Mechanical Plug-in Timer, demonstrating its features and basic setup.

3. OPERATING INSTRUCTIONS

Once set up, the Intermatic TN311 timer operates automatically based on the programmed ON/OFF times. The internal mechanism continuously rotates the dial, activating or deactivating the connected appliance as the trippers engage the internal switch.

Manual Override

The timer features a convenient manual override switch (on/off toggle) located on the top. This allows you to

temporarily turn the connected appliance ON or OFF without disturbing the programmed schedule. Simply slide the toggle to the desired position. The timer will resume its programmed schedule at the next scheduled ON or OFF event.

Holiday Lighting Application

The TN311 timer is ideal for automating holiday lighting, both indoors and outdoors (when used with a suitable weatherproof outlet cover). Its mechanical design ensures reliable operation for festive displays.

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Video 3.1: Learn how Intermatic timers, including the TN311, can simplify your holiday lighting setup.

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Video 3.2: A brief demonstration of the Intermatic TN311 15 Amp Timer for Indoor Lights and Decorations.

4. MAINTENANCE

The Intermatic TN311 timer requires minimal maintenance. Keep the unit clean and free from dust and debris. Do not immerse the timer in water or expose it to excessive moisture. Ensure the trippers are securely seated in their slots for proper operation.

5. TROUBLESHOOTING

- **Appliance does not turn ON/OFF at programmed times:**
 - Ensure the current time is correctly set on the dial.
 - Verify that the ON and OFF trippers are securely inserted and positioned at the correct times.
 - Check if the manual override switch is in the correct position (ON for continuous power, or allowing the timer to control).
 - Confirm that the timer is properly plugged into a live outlet and the appliance is securely plugged into the timer.
- **Timer makes a ticking noise:**
 - A faint ticking sound is normal for mechanical timers as the internal motor operates the dial. If the noise is excessively loud or unusual, ensure the timer is not obstructed and is securely plugged in.
- **Power outage:**
 - In the event of a power outage, mechanical timers will stop. Once power is restored, the timer will resume operation from the point it stopped. You may need to reset the current time on the dial to maintain accuracy.

6. SPECIFICATIONS

Feature	Specification
Model Number	TN311
Brand	Intermatic
Type	Mechanical Plug-in Timer
Voltage	120V AC

Feature	Specification
Amperage	15 A
Watts	1,750 W
Horsepower (HP) @ 120V	1 hp
Minimum Time Setting	30 minutes
Maximum Time Setting	23 hours, 30 minutes
Max. On/Off Cycles	3 per day
Receptacles	1 (Type 5-15R, Grounded)
Features	Manual Override
Standards	CSA, UL
Color	White
Product Dimensions (D x W x H)	3.15"D x 3.2"W x 3.15"H
Item Weight	0.4 Pounds (6.4 ounces)
Material	Plastic
Country of Manufacturer	Mexico

7. WARRANTY INFORMATION

For detailed warranty information regarding your Intermatic TN311 timer, please refer to the manufacturer's description or contact Intermatic customer support directly. The warranty typically covers defects in materials and workmanship under normal use.

8. SUPPORT

If you require further assistance or have questions not covered in this manual, please visit the official Intermatic website or contact their customer support. A comprehensive User Guide (PDF) is also available for download from the product's Amazon page for more detailed instructions and diagrams.

User Guide (PDF): [Download Here](#)

