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› [Intermatic](#) /

› [Intermatic HB300RCL Outdoor Mechanical Timer Instruction Manual](#)

Intermatic HB300RCL

Intermatic HB300RCL Outdoor Mechanical Timer Instruction Manual

Model: HB300RCL

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Intermatic HB300RCL Outdoor Mechanical Timer. This device is designed to automate the ON/OFF cycles of outdoor electrical appliances, offering convenience and energy management. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. IMPORTANT SAFETY INFORMATION

WARNING: To reduce the risk of fire, electric shock, or personal injury, always follow these basic safety precautions:

- Read all instructions before using the timer.
- Do not immerse the timer in water or expose it to excessive moisture.
- Ensure the timer is securely mounted or placed in a stable position to prevent accidental dislodgement.
- Do not exceed the electrical ratings of the timer (12 Amp, 120 Volts, 1500 Watts).
- Always unplug the timer from the power source before performing any maintenance or adjustments.
- Keep children away from the timer and connected appliances.
- Do not use the timer with appliances that could create a hazardous condition if left unattended, such as power tools or heating elements.
- If the timer or its cord is damaged, discontinue use immediately and contact a qualified electrician or Intermatic customer support.

3. PACKAGE CONTENTS

Your Intermatic HB300RCL package should contain the following item:

- 1 x Intermatic HB300RCL Outdoor Mechanical Timer with integrated power cord and single receptacle.

4. PRODUCT FEATURES





Figure 1: Intermatic HB300RCL Outdoor Mechanical Timer. This image displays the timer's gray plastic housing, a transparent hinged cover for weather protection, the central mechanical dial with time markings, and the red and green tripers used for setting ON/OFF times. A white ON/OFF indicator switch is visible above the dial, and a black power cord with a standard two-prong plug extends from the bottom.

The Intermatic HB300RCL timer offers the following key features:

- **Outdoor Mechanical Timer:** Designed for reliable use in outdoor environments.
- **2 On/Off Settings Per Day:** Allows for two distinct ON periods and two distinct OFF periods within a 24-hour cycle.
- **12 Amp Capacity:** Suitable for controlling a variety of outdoor lighting and appliance loads.
- **Captured Tripers:** Integrated tripers (red for OFF, green for ON) are securely attached to the dial, preventing loss.
- **On/Off Indicator Light:** A visual indicator to confirm the timer's current state.
- **Single Receptacle:** Provides one grounded outlet for connecting an appliance.

5. SETUP

5.1 Mounting the Timer

The HB300RCL timer can be mounted to a wall or post using the keyhole slot located on the back of the unit. Ensure the mounting location is protected from direct heavy rain and is easily accessible for setting and adjustments. If temporary placement is desired, ensure the timer is on a stable, level surface.

5.2 Setting the Current Time

1. Locate the rotating dial on the front of the timer. The dial is marked with 24 hours, typically with AM/PM indicators.
2. Rotate the entire dial clockwise until the current time aligns with the "TIME OF DAY" arrow indicator (usually a small triangle or line) located in the center of the dial.
3. Ensure you correctly distinguish between AM and PM hours when setting the current time.

5.3 Connecting to Power

Plug the timer's integrated power cord into a standard 120V outdoor-rated, grounded electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for outdoor use safety.

6. OPERATING INSTRUCTIONS

6.1 Setting ON/OFF Times

The timer uses captured tripers to set the ON and OFF times. There are typically two sets of tripers: a green tripper for ON and a red tripper for OFF.

- Set ON Time:** Locate the green tripper. Push it inwards towards the center of the dial at the desired time you want the connected appliance to turn ON.
- Set OFF Time:** Locate the red tripper. Push it inwards towards the center of the dial at the desired time you want the connected appliance to turn OFF.
- You can set up to two ON/OFF cycles per 24-hour period. Ensure the ON tripper is set before the OFF tripper for each cycle.
- The dial will rotate continuously. When the current time reaches a set tripper, the timer will switch the power state.

6.2 Using the Manual ON/OFF Switch

A manual ON/OFF switch is located above the dial. This switch allows you to override the timer's program temporarily. Pushing the switch will toggle the power to the connected appliance without affecting the set program. The indicator light will show the current power status.

6.3 Connecting an Appliance

Plug the appliance you wish to control into the single receptacle on the bottom of the timer unit. Ensure the appliance's power requirements do not exceed the timer's 12 Amp, 1500 Watt capacity.

7. MAINTENANCE

- Cleaning:** Periodically wipe the timer's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the timer is unplugged before cleaning.
- Inspection:** Regularly inspect the power cord and plug for any signs of damage, fraying, or corrosion. Check the timer housing for cracks or damage.
- Protective Cover:** Keep the clear protective cover closed when the timer is in use to shield the mechanical components from weather elements.

8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|--|---|
| Timer is not turning ON/OFF at set times. | <ul style="list-style-type: none"> Current time not set correctly. Trippers not engaged or set incorrectly. Manual override switch is engaged. | <ul style="list-style-type: none"> Verify the current time is aligned with the "TIME OF DAY" indicator. Ensure green (ON) and red (OFF) trippers are pushed inwards at the desired times. Check the manual ON/OFF switch and ensure it is in the desired automatic position. |
| Appliance connected to timer is not receiving power. | <ul style="list-style-type: none"> Timer not plugged into a live outlet. GFCI outlet tripped. Appliance itself is faulty. Timer is faulty. | <ul style="list-style-type: none"> Check the power source. Reset the GFCI outlet. Test the appliance by plugging it directly into a working outlet. If all else fails, the timer may require replacement. |

| Problem | Possible Cause | Solution |
|--|--|---|
| Protective cover does not stay closed. | <ul style="list-style-type: none"> No latching mechanism, relies on gravity or mounting position. | <ul style="list-style-type: none"> Ensure the timer is mounted upright. If not mounted, the cover may not stay closed. Consider securing with weather-resistant tape if necessary for temporary horizontal use, ensuring ventilation is not blocked. |
| Time markings on dial are difficult to read. | <ul style="list-style-type: none"> Low contrast printing, especially for nighttime hours. | <ul style="list-style-type: none"> Use in well-lit conditions. A flashlight may be helpful for setting times in low light. |

9. SPECIFICATIONS

| | |
|----------------------------------|-------------------------|
| Model Number | HB300RCL |
| Brand | Intermatic |
| Voltage | 120 Volts |
| Amperage | 12 Amps |
| Wattage | 1500 Watts |
| Number of ON/OFF Settings | 2 per day |
| Material | Plastic |
| Color | Gray |
| Item Weight | 8 ounces |
| UPC | 078275110861 |
| Dimensions (Package) | 11.2 x 6.8 x 2.4 inches |

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This Intermatic HB300RCL timer comes with a **Limited Lifetime Warranty**. For specific terms, conditions, and limitations of this warranty, please refer to the official Intermatic warranty documentation or visit the manufacturer's website.

10.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Intermatic customer support. You can typically find contact information on the official Intermatic website: www.intermatic.com.

