

## Intermatic HB112

# Intermatic HB112 Heavy-Duty 240 VAC Timer Instruction Manual

Model: HB112 | Brand: Intermatic

## INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Intermatic HB112 Heavy-Duty 240 VAC Timer. This energy-saving, heavy-duty appliance timer is designed to plug directly into a wall outlet and control 240-volt air conditioners, heaters, and other heavy-duty appliances and lamps. It features a 3600-watt capacity and a manual override switch for convenience.

## IMPORTANT SAFETY INFORMATION

Please read and understand all instructions before installing or operating this timer. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Hazard:** This device operates on 240 Volts. Installation and servicing should only be performed by qualified personnel.
- **Grounding:** Ensure the timer is properly grounded using its 3-prong grounded plug and receptacle.
- **Load Capacity:** Do not exceed the maximum load capacity of 3600 watts or 2 HP motor loads. Overloading can cause overheating and fire.
- **Environment:** This timer is designed for indoor use. Avoid exposure to water or extreme moisture.
- **Children:** Keep out of reach of children.

## PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Intermatic HB112 Timer Unit
- Instruction Guide

## PRODUCT OVERVIEW



Figure 1: Intermatic HB112 Heavy-Duty 240 VAC Timer. The image shows a white, rectangular timer unit with a black 3-prong plug extending from its left side. The front features a large, circular mechanical dial with numbers from 1 to 12 (AM/PM) and smaller segments. Two red pins are visible on the dial, indicating ON/OFF settings. The text 'INTERMATIC' and 'HEAVY DUTY TIME-ALL®' are printed on the timer's face. A black manual override switch is located at the bottom right of the dial.

The Intermatic HB112 timer features a robust design for controlling high-power appliances. Key components include:

- **Mechanical Dial:** A 24-hour rotating dial used to set the current time and program ON/OFF cycles.
- **Push Segments (Pins):** Small, black segments around the dial that are pushed down to set desired ON times and pulled up for OFF times. The timer supports 2 ON/2 OFF settings per day.
- **Manual Override Switch:** A switch located on the side or bottom of the unit that allows you to manually turn the connected appliance ON or OFF, bypassing the programmed settings.
- **3-Prong Grounded Plug and Receptacle:** Ensures safe electrical connection for 240-volt appliances.

## SPECIFICATIONS

Manufacturer	Intermatic
Part Number	HB112
Item Model Number	HB112
Product Dimensions	6.35 x 7.62 x 11.11 cm
Item Weight	249.48 g
Colour	White
Material	Plastic
Voltage	240 Volts
Wattage Capacity	3600 Watts
Motor Load	2 HP
Item Package Quantity	1
Mounting Type	Plug-In Mount
Certification	CSA, UL
Batteries Included?	No
Batteries Required?	No

## SETUP

1. **Verify Voltage:** Ensure your appliance and wall outlet are rated for 240 Volts. This timer is designed for 240 VAC applications only.
2. **Plug In Timer:** Insert the 3-prong grounded plug of the HB112 timer directly into a compatible 240-volt wall receptacle.
3. **Connect Appliance:** Plug your 240-volt appliance into the receptacle on the timer. Ensure the appliance's wattage and HP rating do not exceed the timer's capacity (3600 watts, 2 HP).
4. **Set Current Time:** Rotate the entire mechanical dial clockwise until the arrow (present time pointer) aligns with the current time of day. The dial is marked with AM and PM hours.

## OPERATING INSTRUCTIONS

### Setting ON/OFF Times

The timer allows for up to 2 ON and 2 OFF settings per 24-hour period using the black push segments (pins) around the dial.

1. **Identify Pins:** The dial has small black segments. Each segment represents 15 minutes.
2. **Set ON Time:** Push down the segments corresponding to the desired time you want the appliance to turn ON. For example, to turn ON at 6:00 AM, push down the four segments between 5:45 AM and 6:00 AM.
3. **Set OFF Time:** Pull up the segments corresponding to the desired time you want the appliance to turn OFF. For example, to turn OFF at 8:00 AM, pull up the four segments between 7:45 AM and 8:00 AM.
4. **Minimum ON/OFF Duration:** Ensure a minimum of 45 minutes between ON and OFF settings for reliable operation.

## Manual Override

The HB112 timer includes a manual override switch, typically located on the side or bottom of the unit. This switch allows you to temporarily bypass the programmed settings.

- **ON Position:** Move the switch to the 'ON' position to keep the appliance continuously powered, regardless of the dial settings.
- **OFF Position:** Move the switch to the 'OFF' position to keep the appliance continuously off, regardless of the dial settings.
- **TIMER Position:** Move the switch to the 'TIMER' position to allow the programmed ON/OFF cycles to operate.

## MAINTENANCE

- **Cleaning:** Wipe the timer with a dry, soft cloth. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the timer in a dry, cool place when not in use.
- **No User-Serviceable Parts:** Do not attempt to open or repair the timer. Refer servicing to qualified personnel.


## TROUBLESHOOTING






- **Appliance does not turn ON/OFF at programmed times:**
  - Ensure the manual override switch is set to 'TIMER'.
  - Verify that the current time on the dial is correctly aligned with the present time.
  - Check that the ON/OFF segments (pins) are correctly pushed down or pulled up for the desired times.
  - Confirm the appliance is properly plugged into the timer and is functioning correctly.
- **Timer stops operating after a power outage:**
  - This mechanical timer does not have an internal battery backup. After a power outage, you must manually reset the current time on the dial.
- **Timer makes a faint humming noise:**
  - A faint humming noise is normal for mechanical timers as the internal motor operates the dial.

## WARRANTY AND SUPPORT

The Intermatic HB112 Heavy-Duty 240 VAC Timer comes with a **1-year warranty** from the date of purchase. For technical support, troubleshooting assistance, or warranty claims, please contact Intermatic customer service through their official website or the contact information provided in your purchase documentation.

## Related Documents - HB112

	<p><a href="#">Intermatic TN311 Timer User Manual and Warranty</a></p> <p>User guide and one-year limited warranty information for the Intermatic TN311 heavy-duty grounded outlet timer. Learn how to set the program, time of day, and automatic override.</p>
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 <p><b>INTERMATIC®</b> <b>Portable Heavy Duty</b> <b>Pool &amp; Spa Timer</b></p> <p>Model P1131 OWNER'S MANUAL</p> <p><b>Electrical Rating</b> 20 amp (20000 watts) maximum 1 HP (746 W) motor 120V 60 Hz</p> <p>For use with standard pool and spa equipment</p>	<p><a href="#">Intermatic P1131 Portable Heavy Duty Pool &amp; Spa Timer Owner's Manual</a></p> <p>Owner's manual for the Intermatic P1131 Portable Heavy Duty Pool &amp; Spa Timer. Provides setup instructions, safety warnings, troubleshooting guide, and warranty information for convenient and energy-saving operation of pool and spa equipment.</p>
 <p>Intermatic T173 T170 Mechanical Timer Switch, 24 hr Setting, 125 VAC, 5 HP, 2NO DPST Contacts, NEMA 1 Enclosure</p> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>24-hour setting</li> <li>125 VAC, 5 HP motor rating</li> <li>2NO DPST contacts</li> <li>NEMA 1 enclosure</li> <li>Suitable for commercial, industrial, residential, outdoor, and HVACR applications</li> </ul> <p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>Model: T173, T170</li> <li>Rating: 125 VAC, 5 HP</li> <li>Contacts: 2NO DPST</li> <li>Enclosure: NEMA 1</li> <li>Setting: 24 hours</li> </ul> <p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>Height: 4 1/2 inches</li> <li>Width: 3 1/2 inches</li> <li>Depth: 1 1/2 inches</li> </ul>	<p><a href="#">Intermatic T173 T170 Mechanical Timer Switch - 24 Hour, 125V, 5HP</a></p> <p>Detailed specifications for the Intermatic T173 T170 Mechanical Timer Switch. Features 24-hour setting, 125 VAC, 5 HP motor rating, 2NO DPST contacts, and NEMA 1 enclosure. Suitable for commercial, industrial, residential, outdoor, and HVACR applications.</p>
 <p><b>Intermatic T101P201/T101R201 24-Hour Time Switch with Fireman Switch</b></p> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>24-hour setting</li> <li>125 VAC, 5 HP motor rating</li> <li>2NO DPST contacts</li> <li>NEMA 1 enclosure</li> <li>Suitable for commercial, industrial, residential, outdoor, and HVACR applications</li> </ul> <p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>Model: T101P201, T101R201</li> <li>Rating: 125 VAC, 5 HP</li> <li>Contacts: 2NO DPST</li> <li>Enclosure: NEMA 1</li> <li>Setting: 24 hours</li> </ul> <p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>Height: 4 1/2 inches</li> <li>Width: 3 1/2 inches</li> <li>Depth: 1 1/2 inches</li> </ul>	<p><a href="#">Intermatic T101P201/T101R201 24-Hour Time Switch with Fireman Switch</a></p> <p>Detailed guide for Intermatic T101P201 (plastic) and T101R201 (metal) 24-hour dial time switches with fireman switch functionality for pool heaters. Includes wiring, programming, and operating instructions.</p>
 <p><b>Intermatic T100 Series Timer</b></p> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>24-hour setting</li> <li>125 VAC, 5 HP motor rating</li> <li>2NO DPST contacts</li> <li>NEMA 1 enclosure</li> <li>Suitable for commercial, industrial, residential, outdoor, and HVACR applications</li> </ul> <p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>Model: T100</li> <li>Rating: 125 VAC, 5 HP</li> <li>Contacts: 2NO DPST</li> <li>Enclosure: NEMA 1</li> <li>Setting: 24 hours</li> </ul> <p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>Height: 4 1/2 inches</li> <li>Width: 3 1/2 inches</li> <li>Depth: 1 1/2 inches</li> </ul>	<p><a href="#">Intermatic T100 Series Timer: Operation and Setting Guide</a></p> <p>A comprehensive guide on how to operate, set, and troubleshoot Intermatic T100 series mechanical timers, including safety instructions, component descriptions, and resources for support.</p>
 <p><b>Intermatic TIME-ALL®</b> <b>HEAVY DUTY TIMER</b></p> <p><b>Features</b></p> <ul style="list-style-type: none"> <li>24-hour setting</li> <li>240 VAC, 5 HP motor rating</li> <li>2NO DPST contacts</li> <li>NEMA 1 enclosure</li> <li>Suitable for commercial, industrial, residential, outdoor, and HVACR applications</li> </ul> <p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>Model: HB114</li> <li>Rating: 240 VAC, 5 HP</li> <li>Contacts: 2NO DPST</li> <li>Enclosure: NEMA 1</li> <li>Setting: 24 hours</li> </ul> <p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>Height: 4 1/2 inches</li> <li>Width: 3 1/2 inches</li> <li>Depth: 1 1/2 inches</li> </ul>	<p><a href="#">Intermatic TIME-ALL HB114 Heavy Duty 240V Timer - Setup and Operation Guide</a></p> <p>Comprehensive guide for the Intermatic TIME-ALL HB114 Heavy Duty 240V plug-in timer, covering setup, programming, manual operation, specifications, and safety warnings.</p>