Intermatic HB800RCH

Intermatic HB800RCH 15-AMP 7-Day Outdoor Plugin Digital Timer Instruction Manual

Model: HB800RCH

1. INTRODUCTION

This manual provides detailed instructions for the installation, programming, and operation of your Intermatic HB800RCH 15-AMP 7-Day Outdoor Plugin Digital Timer. This device is designed to automate the control of electrical loads outdoors, offering convenience and energy efficiency through programmable on/off cycles and astronomic features.

2. SAFETY INFORMATION

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

- Ensure the timer is plugged into a grounded outdoor receptacle protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not immerse the timer in water or expose it to direct water spray.
- Do not exceed the maximum electrical rating of 15 Amps.
- Always unplug the timer from the power source before performing any maintenance or cleaning.
- Keep children away from the timer and connected devices.
- Do not use with extension cords that are not rated for outdoor use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Intermatic HB800RCH Digital Timer Unit
- Instruction Manual

4. PRODUCT FEATURES

- Outdoor digital timer functionality
- Up to 14 programmable ON/OFF events per week
- 15-Amp capacity for various outdoor applications

- Astronomic feature: automatically adjusts to local sunrise/sunset times
- Two grounded receptacles for connecting devices
- Battery backup for settings retention during power outages

Figure 1: Front view of the Intermatic HB800RCH Digital Timer, showing the digital display, control buttons (OK, MODE, PROG, ON/OFF),

and the manual override dial. The timer is gray with a black power cord and plug.

Figure 2: Bottom view of the Intermatic HB800RCH Digital Timer, illustrating the two grounded electrical receptacles. These outlets are recessed for weather protection.

5. SETUP

1. **Initial Power-Up:** Plug the timer into a standard 120V AC outdoor GFCI-protected outlet. The display will illuminate.

2. **Battery Activation:** The timer includes a battery backup. Ensure it is active to retain settings during power outages. If the display is blank or dim, allow the timer to charge for a few minutes.

3. **Resetting the Timer:** If the display shows erratic characters or you wish to clear all previous settings, locate the small recessed reset button (often labeled 'R' or 'RESET') and press it firmly with a non-metallic pointed object (e.g., a pen tip). The display will reset to 12:00 AM.

4. **Setting Current Time and Day:**
   - Press the **MODE** button until "SET CLOCK" appears.
   - Use the **OK** button to select the hour, then use the rotary dial (or UP/DOWN buttons if present) to adjust the hour. Press **OK** to confirm.
   - Repeat for minutes and AM/PM.
   - Use the **OK** button to select the day of the week, then use the rotary dial to adjust. Press **OK** to confirm.
   - Press **MODE** to exit clock setting.

5. **Setting Current Date (for Astronomic Feature):**
   - Press the **MODE** button until "SET DATE" appears.
   - Use the **OK** button to select the year, then use the rotary dial to adjust. Press **OK** to confirm.
   - Repeat for month and day.
   - Press **MODE** to exit date setting.

6. **Setting Location for Astronomic Feature:**

- Press the **MODE** button until "SET LOCATION" appears.
- Use the rotary dial to select your state/region. Press **OK**.
- Further refine your location if prompted (e.g., North, Central, South within a state). Press **OK**.
- Press **MODE** to exit location setting.

7. **Daylight Saving Time (DST) Adjustment:** The timer is designed to automatically adjust for DST. Verify the setting under the "SET DST" menu option if available, or refer to the specific instructions for your model.

6. OPERATING INSTRUCTIONS (PROGRAMMING)

The HB800RCH timer allows for up to 14 ON/OFF events (7 ON, 7 OFF) per week. Each event can be set for specific days or groups of days.

1. **Entering Program Mode:** Press the **PROG** button. The display will show "PROG 1 ON".

2. **Setting ON Time:**
   - With "PROG 1 ON" displayed, press **OK**. The hour will flash.
   - Use the rotary dial to adjust the hour. Press **OK**.
   - Adjust minutes and AM/PM similarly. Press **OK**.
   - **Day Selection:** The display will show the days of the week. Use the rotary dial to select the desired days for this ON event. Options typically include:
     - MO TU WE TH FR SA SU (Every day)
     - MO TU WE TH FR (Weekdays)
     - SA SU (Weekends)
     - Individual days (MO, TU, etc.)

     Press **OK** to confirm the day selection.

3. **Setting OFF Time:**
   - After setting the ON time for PROG 1, the display will automatically advance to "PROG 1 OFF". Press **OK**.
   - Adjust the hour, minutes, AM/PM, and day selection for the OFF event using the same method as the ON time. Ensure the OFF time is appropriate for the ON time.
   - Press **OK** to confirm.

4. **Programming Additional Events:** After setting PROG 1 OFF, the display will advance to "PROG 2 ON". Repeat steps 2 and 3 for up to 7 ON/OFF programs.

5. **Exiting Program Mode:** Press the **MODE** button repeatedly until the current time is displayed, or wait for the timer to automatically exit program mode after a period of inactivity.

6. **Astronomic ON/OFF Events:** To use the astronomic feature, select "DAWN" or "DUSK" instead of a specific time when setting an ON or OFF event. The timer will automatically calculate these times based on your set location and date. You can also set an offset (e.g., DUSK + 30 minutes).

7. **Manual Override:** To temporarily turn the connected devices ON or OFF without affecting the programmed schedule, press the **ON**/**OFF** button. The display will indicate "ON" or "OFF" and the timer will revert to the schedule at the next programmed event.

7. MAINTENANCE

The Intermatic HB800RCH timer requires minimal maintenance.

- **Cleaning:** Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the timer is

unplugged before cleaning.

- **Battery Backup:** The internal battery is designed to hold settings for an extended period (e.g., 3 months) during power outages. If the timer frequently loses settings after short power interruptions, the battery may need replacement. Refer to the manufacturer's guidelines for battery replacement, or contact customer support.
- **Storage:** If storing the timer for an extended period, ensure it is clean and dry. Store in a cool, dry place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer display is blank or dim.	No power to the unit; internal battery discharged.	Ensure the timer is securely plugged into a live outlet. Allow several minutes for the internal battery to charge. If problem persists, check the GFCI outlet.
Timer does not turn ON/OFF at programmed times.	Incorrect programming; manual override active; power outage; faulty unit.	Review programming steps carefully. Check if manual override is active (press ON/OFF button). Verify power supply. If settings are lost after power outages, the internal battery may be weak.
Difficulty programming the timer.	Complex interface; instructions not followed precisely.	Refer to Section 6: Operating Instructions. Take your time and follow each step. Use the reset button if necessary to start fresh.
Astronomic feature not working correctly.	Incorrect date or location set.	Verify the current date and your geographical location settings (state/region) as described in Section 5.
Connected device does not turn on.	Device not plugged in correctly; device is faulty; timer is not supplying power.	Ensure the device is securely plugged into the timer's receptacle. Test the device by plugging it directly into a wall outlet. Check the timer's manual override and programmed schedule.

9. SPECIFICATIONS

- **Model:** HB800RCH
- **Brand:** Intermatic
- **Electrical Rating:** 120 VAC, 60 Hz, 15 Amps Resistive, 1800 Watts
- **Number of ON/OFF Events:** Up to 14 per week (7 ON, 7 OFF)
- **Receptacles:** 2 Grounded Outlets
- **Material:** Plastic
- **Color:** Black
- **Item Weight:** Approximately 1 pound (454 Grams)
- **Dimensions:** Approximately 8.1 x 6.9 x 3.8 inches (Package Dimensions)
- **Screen Size:** 2 Inches
- **UPC:** 078275111400

10. WARRANTY AND SUPPORT

Warranty: This Intermatic product comes with a Limited Lifetime Warranty. For specific terms and conditions, please refer

to the warranty documentation included with your purchase or visit the official Intermatic website.

Customer Support: For technical assistance, troubleshooting, or warranty claims, please contact Intermatic customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

You can visit the Intermatic Store on Amazon for more product information.

Related Documents - HB800RCH

	Intermatic E-1020 24-Hour Automatic In-Wall Timer: Installation and Operation Guide Comprehensive guide for installing and operating the Intermatic E-1020 24-hour automatic in-wall multiple program timer. Includes step-by-step instructions, wiring diagrams, and warranty details.
	Intermatic Grässlin CP924 Electronic Plug-In Timer: Features & Operating Instructions Comprehensive guide to the Intermatic Grässlin CP924 electronic plug-in timer. Learn about its features, specifications, and how to program ON/OFF times for residential appliances.
	Intermatic DT17 Digital Timer: Installation and Operating Instructions Comprehensive guide to installing and operating the Intermatic DT17 Digital Timer, covering features, programming, modes, battery replacement, and warranty information.
	Intermatic P1121 RAINTIGHT OUTDOOR TIMER - User Guide and Safety Instructions User guide and safety instructions for the Intermatic P1121 RAINTIGHT OUTDOOR TIMER. Learn how to set the timer, understand its features, and follow essential electrical safety precautions for outdoor use.
	Intermatic HB880R Outdoor 7-Day Digital Timer: Operating Instructions & Setup Guide Comprehensive user manual for the Intermatic HB880R outdoor 7-day digital timer. Learn how to install, program, set schedules, and troubleshoot this versatile time switch.
	Intermatic WHQ Series 40A Water Heater Timers with Battery Backup - Installation and Operation Manual Detailed information on the Intermatic WHQ Series 24-Hour/7-Day electromechanical water heater timers, including features, specifications, installation guide, programming instructions, and warranty information. Designed for residential, commercial, and industrial use.