

BN-LINK U78-2Pack12

BN-LINK 7-Day Outdoor Digital Programmable Timer

Model: U78-2Pack12

Brand: BN-LINK

1. INTRODUCTION

This manual provides instructions for the safe and efficient operation of your BN-LINK 7-Day Outdoor Digital Programmable Timer. This device is designed to automate the control of electrical appliances, offering convenience and energy savings for both indoor and outdoor applications. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

- **Electrical Safety:** Always ensure the timer is properly grounded. Do not immerse the timer in water.
- **Load Capacity:** Do not exceed the maximum load rating of 125V, 60 Hz, 15A/1875W Resistive, 10A/1250W Tungsten. Overloading can cause overheating and fire.
- **Outdoor Use:** When used outdoors, ensure the timer is mounted vertically at least 2 feet above the ground to prevent water accumulation and ensure proper drainage. Use with outdoor-rated appliances only.
- **Inspection:** Regularly inspect the timer and its cord for any signs of damage. Do not use if damaged.
- **Children:** Keep out of reach of children.

3. PRODUCT OVERVIEW

The BN-LINK Digital Programmable Timer features a robust design suitable for various applications. It includes a digital display for easy programming and two grounded outlets for connecting devices.

3.1 Components

- **LCD Display:** Shows current time, day, and program status.
- **Control Buttons:** WEEK, HOUR, MIN, R (Random), CLOCK, PROG (Program), MANUAL, RESET.
- **Dual Grounded Outlets:** Two outlets for connecting electrical devices.
- **Power Cord:** 18-inch heavy-duty cord with a 3-prong plug.
- **Internal Battery:** Rechargeable battery for program retention during power outages.

3.2 Key Features

- Up to 8 ON/OFF programs.
- 7-day programmable cycles (daily, specific days, weekdays, weekends, etc.).

- Daylight Saving Time (DST) adjustment.
- Random (Vacation) mode for enhanced security.
- Weatherproof and heavy-duty construction for outdoor use.



Figure 1: BN-LINK 7-Day Outdoor Digital Programmable Timer, showing the digital display, control buttons, and power cord.

Multifunctional Outlet Timer



8 ON/OFF
Programs for timer



7-Day
Programmable

- Daily
- One Specific Day
- Weekday
- Weekend
- Sunday Excluded
- Mo-We-Fr only
- Tu-Th-Sa only and more



3-Prong Timer
Dual outlets for outdoor use

Figure 2: Diagram illustrating the timer's multifunctional features, including 8 ON/OFF programs, 7-day programmability, and dual 3-prong outlets.

4. INITIAL SETUP

Before first use, or after a prolonged period of storage, the internal battery may need charging. Plug the timer into a standard 125VAC outlet for at least 30 minutes to charge the battery. The display should become active.

4.1 Resetting the Timer

To clear all previous settings and reset the timer, use a small pointed object (like a pen tip) to press the **RESET** button located on the front panel. The display will show '12:00 AM' and 'MO' (Monday).

4.2 Setting Current Time and Day

1. Press the **CLOCK** button once. The current day will flash.
2. Press **WEEK** to select the current day (MO, TU, WE, TH, FR, SA, SU).
3. Press **HOUR** to set the current hour (AM/PM).
4. Press **MIN** to set the current minute.

5. Press **CLOCK** again to confirm and exit time setting mode.

5. OPERATING INSTRUCTIONS

5.1 Programming ON/OFF Cycles

The timer allows for up to 8 distinct ON/OFF programs. Each program consists of an ON time and an OFF time, which can be set for specific days or groups of days.

1. Press the **PROG** button. The display will show '1 ON' and the time will flash.
2. Press **WEEK** to select the desired day(s) for this program. Options include individual days, weekdays, weekends, or all 7 days.
3. Press **HOUR** and **MIN** to set the desired ON time.
4. Press **PROG** again. The display will show '1 OFF' and the time will flash.
5. Press **WEEK**, **HOUR**, and **MIN** to set the desired OFF time for program 1.
6. Repeat steps 1-5 for programs 2 through 8 as needed.
7. After setting all desired programs, press the **CLOCK** button to return to the current time display.



Figure 3: Examples of setting ON/OFF programs for automated control of outdoor lighting and devices.

5.2 Manual Override

Press the **MANUAL** button to cycle through different operating modes: **AUTO ON**, **AUTO OFF**, and **ON**, **OFF**. In **AUTO ON/OFF** mode, the timer will follow the programmed settings. In **ON** mode, the outlets are continuously on. In **OFF** mode, the outlets are continuously off.

5.3 Daylight Saving Time (DST)

To activate or deactivate Daylight Saving Time, press and hold the **HOURL** button and then press the **MIN** button simultaneously. The display will show '+1h' when DST is active, adjusting the time forward by one hour.

5.4 Random (Vacation) Mode

To activate the Random (Vacation) mode, press the **R** button. The display will show 'RND'. In this mode, the timer will randomly turn connected lights ON and OFF within a set period, simulating occupancy to deter potential intruders. Press **R** again to deactivate.



Figure 4: The timer's Random (Vacation) Mode, designed to enhance home security by randomly activating lights.

6. INSTALLATION

The BN-LINK timer is designed for both indoor and outdoor use. Its weatherproof construction ensures durability in various conditions.

- **Outdoor Mounting:** For optimal waterproofing and longevity, mount the timer vertically with the outlets facing downwards. Ensure it is positioned at least 2 feet above the ground.
- **Placement:** Choose a location that is easily accessible for programming but protected from direct heavy rainfall or standing water.



Figure 5: Illustration demonstrating the recommended vertical mounting of the weatherproof timer at least 2 feet above ground.

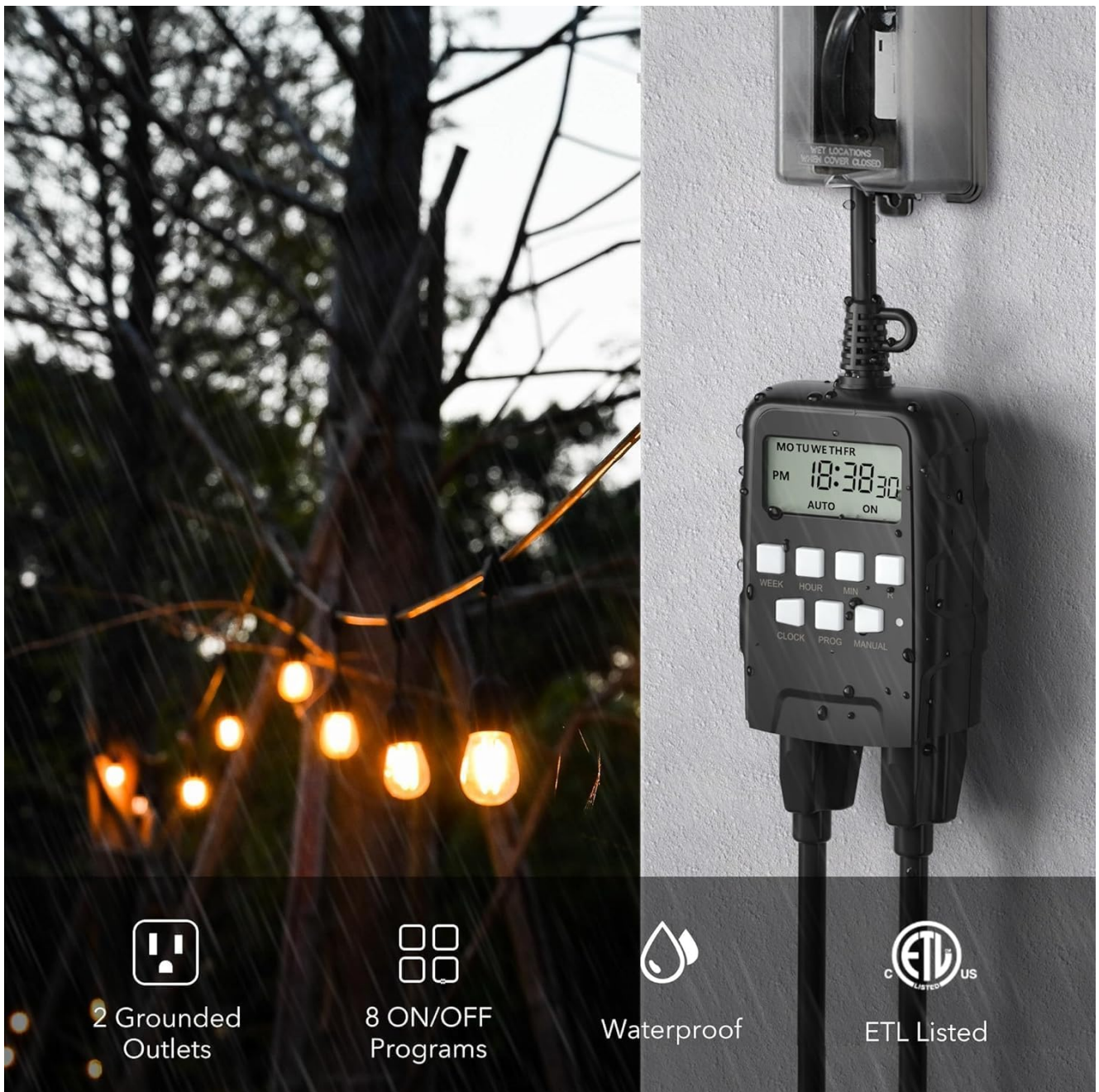


Figure 6: The BN-LINK timer installed outdoors, controlling string lights, showcasing its weatherproof design.

7. APPLICATIONS

This versatile timer is suitable for a wide range of electrical devices and lighting, both indoors and outdoors.

- Outdoor lighting (e.g., Christmas lights, garden lights, string lights)
- Pond pumps and fountains
- Holiday decorations
- Indoor lamps and appliances



Figure 7: A visual representation of various applications for the BN-LINK timer, including holiday decorations, pool pumps, and garden features.

8. MAINTENANCE

To ensure the longevity and proper functioning of your timer:

- Keep the timer clean and free from dirt and debris.
- Avoid using harsh chemicals or abrasive cleaners.
- Store in a dry place when not in use for extended periods.

9. TROUBLESHOOTING

- **Timer not turning ON/OFF as programmed:**

Ensure the timer is in **AUTO ON/OFF** mode. Verify that the ON/OFF times and days are correctly set in the program. Check the power connection.

- **Display is blank or dim:**

The internal battery may be depleted. Plug the timer into an outlet for at least 30 minutes to charge. If the issue persists, perform a **RESET**.

- **Outlets not receiving power:**

Check the power source. Ensure the timer is plugged in securely. Verify the operating mode is set to **ON** or **AUTO ON** during the programmed ON period.

10. SPECIFICATIONS

Specification	Value
Brand	BN-LINK
Model Number	U78-2Pack12
Color	Black
Material	Polycarbonate
Product Dimensions	2"D x 4.2"W x 6.6"H
Item Weight	14 Ounces
Number of Settings	8 (ON/OFF programs)
UPC	857333007271
Screen Size	2.5 Inches
Electrical Rating	125V, 60 Hz, 15A/1875W Resistive, 10A/1250W Tungsten
Batteries	1 Nonstandard Battery (rechargeable, for backup)

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official BN-LINK website. Keep your purchase receipt as proof of purchase.