BN-LINK SU105

BN-LINK Digital Timer Outlet User Manual

Model: SU105

Product Overview

The BN-LINK Digital Timer Outlet is a versatile and energy-efficient device designed to automate the power supply to your appliances. Featuring two independently controllable outlets and a 7-day programmable schedule, it offers convenience and enhanced security for your home or office.



Front view of the BN-LINK Digital Timer Outlet, showing the LCD display and control buttons.

Key Features:

- **Dual Independent Outlets:** Two control buttons (Mode1 and Mode2) allow for independent management of each outlet, or synchronization for a single schedule.
- **Energy-Efficient:** Helps reduce electricity costs and extends appliance lifespan by automating power.
- **Random Mode (Vacation Mode):** Varies programmed light schedules to create a 'lived-in' appearance, enhancing home security when you are away.
- **Customizable Programming:** Set up to 8 independent ON/OFF schedules with timings as short as one minute.
- **Backup Battery:** Retains settings during power outages.
- **Safety Certified:** ETL certified and meets UL Standards 60730-1 and 60730-2-7.

Initial Setup

Before programming, ensure the timer is plugged into a live outlet for at least 30 minutes to charge the internal backup battery. This will ensure your settings are saved during power interruptions.

Setting Current Time and Day:

1. Press the **CLOCK** button. The display will show the current time.
2. Press the **WEEK** button repeatedly to select the current day of the week.
3. Press the **HOUR** button to set the current hour.
4. Press the **MIN** button to set the current minute.
5. Once the time and day are set, press the**CLOCK** button again to exit the setting mode.



Angled view of the BN-LINK Digital Timer Outlet, providing a clear look at its display and button layout.

Programming and Operation

The timer allows for up to 8 ON/OFF programs, which can be set for specific days, weekdays, weekends, or daily operation.



Detailed view of the timer's display highlighting its 8 ON/OFF program capability, 7-day programmability, and dual independent receptacles.

Setting Programs (ON/OFF Times):

1. Press the **PROG** button. The display will show "1 ON".
2. Press **WEEK** to select the desired day(s) for this program (e.g., MO TU WE TH FR SA SU, MO TU WE TH FR, SA SU, MO, etc.).
3. Press **HOUR** and **MIN** to set the ON time.
4. Press **PROG** again. The display will show "1 OFF".
5. Repeat steps 2 and 3 to set the OFF time for the first program.
6. Continue pressing **PROG** to cycle through and set up to 8 ON/OFF programs.
7. After setting all desired programs, press the **CLOCK** button to return to the current time display.

Independent Outlet Control:

The BN-LINK timer features two independent outlets. You can assign programs to each outlet using the **MODE1** and **MODE2** buttons.

- Press **MODE1** to cycle through ON, AUTO, or OFF for Timer 1.
- Press **MODE2** to cycle through ON, AUTO, or OFF for Timer 2.
- Select **AUTO** for the timer to follow the programmed schedules.



The BN-LINK timer plugged into a wall outlet, showcasing its two grounded receptacles and compact design.

Random Mode (Vacation Mode):

To activate the random function, which varies your programmed ON/OFF times by a few minutes to simulate occupancy:

- While in normal clock mode, press the**WEEK** and **TIME** buttons simultaneously.
- The display will show "RND" to indicate Random Mode is active.
- To deactivate, press **WEEK** and **TIME** simultaneously again.



Illustration of the 'Random Function' feature, designed to deter intruders by varying light schedules.

Daylight Saving Time (DST):

To adjust for Daylight Saving Time:

- While in normal clock mode, press the**TIME** and **TIMER** buttons simultaneously.
- The display will show "+1H" and the time will advance by one hour.
- To revert, press **TIME** and **TIMER** simultaneously again.

Manual Override:

To manually turn the timer ON or OFF, overriding the current program:

- Press the **MODE1** or **MODE2** button repeatedly until the desired state (ON or OFF) is displayed for the respective timer.
- To return to programmed operation, select **AUTO**.

Care and Maintenance

- Clean the timer with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Do not immerse the timer in water or expose it to excessive moisture.
- The internal backup battery is designed for long-term use and does not require replacement under normal conditions.

Troubleshooting Guide

Problem	Possible Cause	Solution
Timer not turning ON/OFF at programmed times.	Timer is not in AUTO mode; incorrect program settings; power outage.	Ensure **AUTO** is selected for the respective timer. Review and correct program settings. Check power supply.
Display is blank or dim.	Timer not plugged in; backup battery low.	Plug the timer into a live outlet. Allow 30 minutes for the backup battery to charge.
Cannot set time or programs.	Buttons not responding; unit frozen.	Press the **R** (Reset) button with a pointed object (e.g., paperclip) to reset the unit. Re-enter all settings.

Technical Specifications

Model Number	SU105
Operating Voltage	125 Volts
Current Rating	8 Amps
Wattage	1000 Watts (Tungsten or Electronic Ballast) / 1875 Watts (Resistive)
Operation Mode	ON-OFF
Connector Type	Plug In (3-Prong)
Dimensions (L x W x H)	4.9 x 8.5 x 10.39 inches
Item Weight	7.4 ounces
Certifications	ETL Certified, UL Standards 60730-1 and 60730-2-7



Dimensional view of the BN-LINK Digital Timer Outlet, showing its compact size and design from multiple angles.

Important Safety Information

- For indoor use only. Do not expose to rain or moisture.
- Do not exceed the maximum load rating of 15A/1875W resistive or 8A/1000W tungsten/electronic ballast.
- Always plug the timer directly into a wall outlet. Do not use with extension cords or power strips if connecting high-wattage appliances like space heaters, unless the cord/strip is explicitly rated for the appliance's wattage.
- Ensure the appliance plugged into the timer is in good working condition and its plug is not damaged.
- Keep out of reach of children.

Warranty and Customer Support

BN-LINK products are designed for reliability and performance. This product is ETL certified and meets stringent UL safety standards.

For any questions, technical support, or warranty inquiries, please contact BN-LINK customer service. Refer to the official BN-LINK website or your purchase documentation for contact details.

An electronic version of this user manual is available for download:Download User Manual (PDF)

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