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› [BN-LINK 24-Hour Plug-in Mechanical Timer \(Model CP-U4NA-1P\) Instruction Manual](#)

## BN-LINK CP-U4NA-1P

# BN-LINK 24-Hour Plug-in Mechanical Timer

MODEL: CP-U4NA-1P

Brand: BN-LINK

### 1. Product Overview

The BN-LINK 24-Hour Plug-in Mechanical Timer is designed to automate the operation of various indoor electrical devices. It features a simple mechanical dial with 15-minute intervals, allowing for precise scheduling of ON/OFF cycles over a 24-hour period. This heavy-duty timer is ETL listed, ensuring safety and reliability for a wide range of applications.



Image 1: BN-LINK 24-Hour Plug-in Mechanical Timer, front view.

## 2. Product Features

- **Programmable Schedule:** Offers 96 ON/OFF settings within 24 hours, with each push pin representing a 15-minute interval.
- **Visual Indicator:** A red signal light clearly indicates when the device is powered.
- **Simple Operation:** Pins UP means the timer is OFF, and pins DOWN means ON.
- **Mode Selection:** Features a slide switch to select between 'ON' (continuous power) and 'TIMER' (scheduled operation) modes.
- **Versatile Compatibility:** The three-hole grounded outlet is compatible with both two-prong and three-prong plugs.
- **Heavy-Duty Design:** Suitable for automating lamps, Christmas lights, fans, humidifiers, coffee machines, aquariums, grow lights, and other indoor electrical devices.
- **Safety Certified:** ETL approved for safety.

## 3. Safety Information

This BN-LINK heavy-duty grounded timer is ETL approved, ensuring it meets recognized safety standards. It is rated for 125VAC, 60Hz, with a maximum load of 1875W, 15A Resistive, 8A Tungsten, and 1/2 HP, TV-5. Always ensure that the total wattage of connected devices does not exceed the timer's maximum load capacity to prevent overheating and potential hazards. Use only with grounded outlets.

## 4. Setup

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1. **Reset Pins:** Before setting up, ensure all the black push pins around the dial are in the UP position. This sets the timer to an 'OFF' state for all intervals initially.
2. **Set Current Time:** Rotate the entire black dial clockwise until the arrow on the timer aligns with the current time. The dial is marked with AM/PM hours.
3. **Program ON/OFF Times:** Push down the black pins corresponding to the desired ON periods. Each pin represents 15 minutes. For example, to turn a device ON from 6 PM to 10 PM, push down all pins between the 6 PM and 10 PM marks. Pins in the UP position indicate OFF periods.
4. **Select Operating Mode:** Use the red slide switch on the side of the timer. Slide it to the 'TIMER' position (indicated by a clock icon) for automatic scheduled operation. If you wish to bypass the timer and keep the connected device continuously ON, slide the switch to the 'ON' position.
5. **Plug In:** Plug the timer into a standard 3-prong wall outlet. Then, plug your device into the timer's grounded outlet.

# Easy To Use

Push Pins to Program Settings

Down ↓

Pins Down=ON

Up ↑

Pins Up=OFF



One pin represents 15 minutes,  
a total of 96 Settings over 24 hours



Set Current Time



Indicator can let you know  
the power is on/off.

Image 2: Visual guide for setting ON/OFF pins and current time.

Video 1: Official BN-LINK guide on how to use the 24-hour plug-in mechanical timer, demonstrating pin setting and mode selection.

## 5. Operating Instructions

Once the timer is plugged in and the current time is set, the dial will continuously rotate clockwise. When the rotating dial reaches a segment where pins are pushed DOWN (ON position), the connected device will receive power. When it reaches a segment where pins are UP (OFF position), power to the device will be cut off. The red indicator light on the timer will illuminate when power is being supplied to the connected device.

# 24 Hour Mechanical Timer

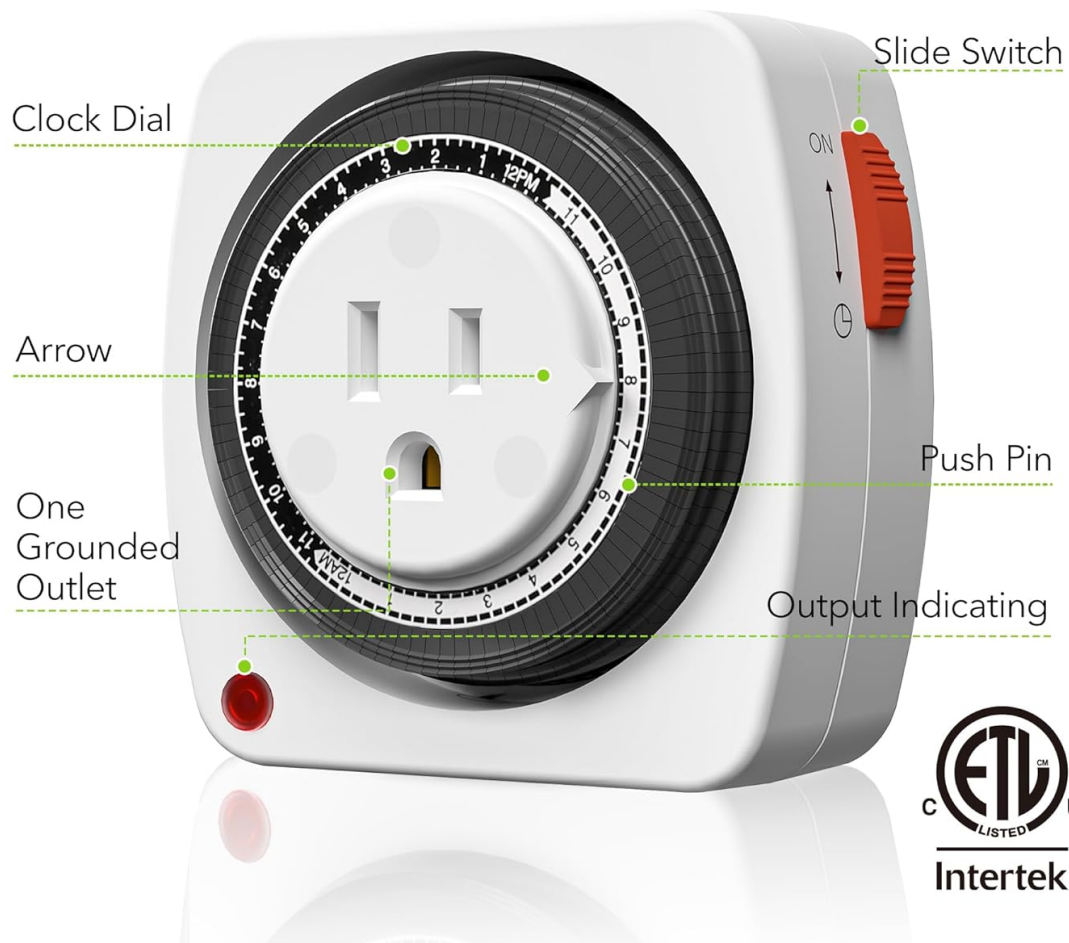


Image 3: Diagram illustrating the various components of the timer, including the clock dial, push pins, and slide switch.

# Design Your Own Schedule

## Save Time&Money



Image 4: Overview of the timer's scheduling capabilities: 1 grounded outlet, 15-minute intervals, 24-hour programmable, 96 ON/OFF settings.

## 6. Maintenance

To ensure optimal performance and longevity of your BN-LINK Mechanical Timer, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect the timer from the power outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, store the timer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the timer and its plug for any signs of damage, such as frayed wires or cracked casing. If damage is found, discontinue use immediately and replace the unit.

## 7. Troubleshooting

If your BN-LINK Mechanical Timer is not functioning as expected, consider the following:

- **Device Not Turning ON/OFF:**

- Ensure the timer is securely plugged into a working wall outlet.
  - Verify that the connected appliance is properly plugged into the timer and is functional.
  - Check the red slide switch on the side of the timer. It must be in the 'TIMER' position for scheduled operation. If it's in 'ON', the device will be continuously powered.
  - Confirm that the black push pins are correctly set for the desired ON/OFF periods. Pins pushed DOWN correspond to ON times.
  - Ensure the current time on the dial is accurately aligned with the arrow.
- **Timer Not Advancing:** Ensure the timer is plugged into a live outlet. The internal clock mechanism requires power to operate.
  - **Overheating:** If the timer feels hot, immediately unplug it and the connected device. Ensure the total wattage of connected devices does not exceed the timer's maximum load capacity (1875W).

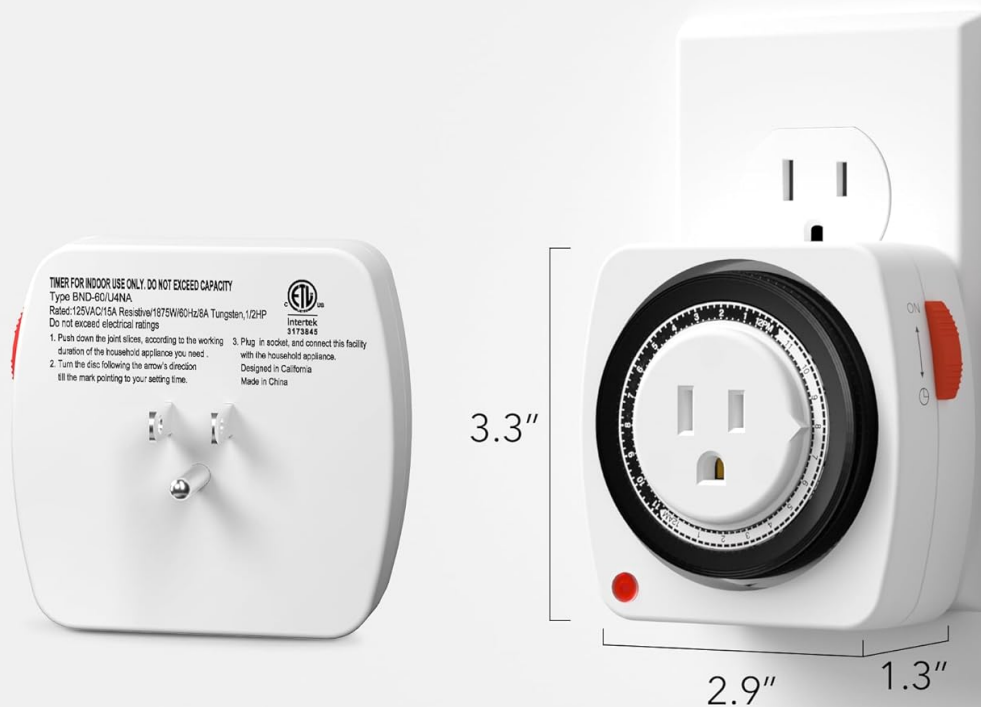
## 8. Specifications

Specification	Detail
Model Number	CP-U4NA-1P
Rated Voltage	125VAC, 60Hz
Max Load	1875W
Resistive	15A
Tungsten	8A
Motor	1/2 HP
TV Rating	TV-5
Product Dimensions	1.3"D x 2.9"W x 3.3"H
Item Weight	4.5 Ounces
Material	Plastic
Certifications	ETL Listed



# Superior Performance

**125** VAC **1/2** HP **1875** W **15A** Tungsten & Resistive



High Flame-Retardant PC



1000 Cycles Insertion/  
Extraction Tested

Image 5: Detailed electrical ratings and physical dimensions of the timer.



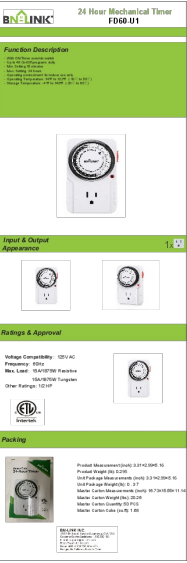



## 9. What's in the Box

- 1 x BN-LINK 24-Hour Plug-in Mechanical Timer

## 10. Warranty and Support

For warranty information or technical support regarding your BN-LINK 24-Hour Plug-in Mechanical Timer, please refer to the product packaging or contact BN-LINK customer service directly. Contact details can typically be found on the manufacturer's official website or on the product's retail page.



 <p><b>BN-LINK</b> PRODUCT #BND-60/U97A <b>SHORT PERIOD REPEAT CYCLE TIMER</b></p> <p>Intertek ENERGY SAVING</p> <p>Please keep this handbook www.bn-link.com -1-</p>	<p><a href="#">BN-LINK BND-60/U97A Short Period Repeat Cycle Timer User Manual</a></p> <p>User manual for the BN-LINK BND-60/U97A Short Period Repeat Cycle Timer. This guide details product features, installation, optional settings for 24-hour, day, and night control, troubleshooting common issues, and warranty information.</p>
 <p><b>BN-LINK</b> BND-60/U208D <b>24 HOUR MECHANICAL DUAL OUTLET TIMER</b></p> <p>ENERGY SAVING</p> <p>Please keep this handbook www.bn-link.com Designed in California, Made in China</p>	<p><a href="#">BN-LINK BND-60/U208D 24-Hour Mechanical Dual Outlet Timer User Manual</a></p> <p>User manual for the BN-LINK BND-60/U208D 24-hour mechanical dual outlet timer. Provides instructions on setting schedules, operating the device, ratings, applications, and troubleshooting for indoor lighting and other electrical devices.</p>
 <p><b>BN-LINK</b> 24 Hour Mechanical Timer FD60-U1</p> <p><b>Function Description</b></p> <p>Function Description</p> <p>Input/Output Appearance</p> <p><b>Ratings &amp; Approval</b></p> <p>Voltage Compatibility: 120V AC Frequency: 60Hz Max Load: 16A/1800W Incandescent Max/Min Load: 16A/1800W Incandescent Other Ratings: 120V</p> <p><b>Packing</b></p> <p>Product Dimensions (mm): 127x127x86.5 Product Weight (kg): 0.25 Gross Package Dimensions (mm): 127x127x86.5 Gross Package Weight (kg): 0.27 Master Carton Dimensions (mm): 677x450x114 Master Carton Weight (kg): 0.28 Master Carton Dimensions (in): 26.7x17.7x4.5 Master Carton Weight (lb): 0.62</p>	<p><a href="#">BN-LINK FD60-U1 24-Hour Mechanical Timer - Product Overview and Specifications</a></p> <p>Detailed product information for the BN-LINK FD60-U1 24-Hour Mechanical Timer, including function descriptions, input/output appearance, ratings, approvals, and packing specifications. This timer is suitable for indoor use to automate appliances and lighting.</p>
 <p><b>BN-LINK</b> PRODUCT #BND-60/U44 <b>24 HOUR MECHANICAL MINI TIMER</b></p> <p>ENERGY SAVING</p> <p>Please keep this handbook</p>	<p><a href="#">BN-LINK 24 Hour Mechanical Mini Timer (BND-60/U44) User Manual</a></p> <p>Detailed user manual and operating instructions for the BN-LINK 24 Hour Mechanical Mini Timer, model BND-60/U44. Learn how to set schedules, troubleshoot issues, and understand its ratings and applications.</p>
 <p><b>BN-LINK</b> PRODUCT #BND-60/U165 <b>24 HOUR MECHANICAL OUTDOOR TIMER</b></p> <p>ENERGY SAVING</p> <p>Please keep this handbook</p>	<p><a href="#">BN-LINK 24 Hour Mechanical Outdoor Timer - Operating Instructions &amp; Specifications</a></p> <p>Detailed operating instructions, helpful tips, ratings, warnings, applications, and troubleshooting guide for the BN-LINK BND-60/U165 24-hour mechanical outdoor timer. Learn how to set ON/OFF times, use the bypass switch, and resolve common issues.</p>
 <p><b>BN-LINK</b> PRODUCT #FD60-U2 <b>24 HOUR MECHANICAL DUAL OUTLET TIMER</b></p> <p>ENERGY SAVING</p> <p>Please keep this handbook www.bn-link.com Designed in California, Made in China</p>	<p><a href="#">BN-LINK FD60-U2 24 Hour Mechanical Dual Outlet Timer User Manual</a></p> <p>User manual for the BN-LINK FD60-U2 24 Hour Mechanical Dual Outlet Timer, covering product overview, components, ratings, warnings, applications, operating instructions, and troubleshooting.</p>

