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> BN-LINK SU101C 7-Day Programmable In-Wall Timer Switch User Manual

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Model: SU101C

1. INTRODUCTION

The BN-LINK SU101C 7-Day Programmable In-Wall Timer Switch is designed to automate the control of your indoor lighting, fans, and motors. It offers flexible scheduling with up to 18 ON/OFF programs and 7-day options, enhancing convenience and energy efficiency in your home. This timer switch is compatible with both single-pole and 3-way wiring configurations and requires a neutral wire for installation. It is ETL listed, ensuring quality and safety standards are met.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Installation should only be performed by a qualified electrician or a person with a thorough understanding of electrical wiring and systems. Always turn off power at the circuit breaker or fuse box before installation or servicing.

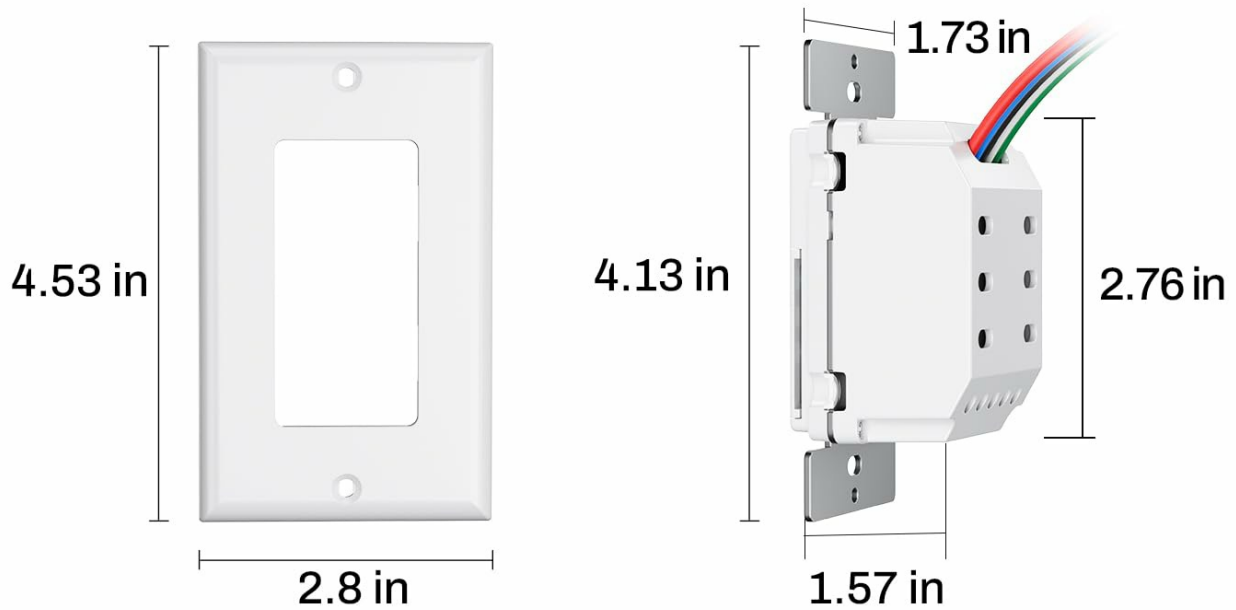
- For indoor use only.
- Ensure the power is OFF at the circuit breaker before beginning any work.
- A neutral wire is required for proper operation.
- Do not exceed the maximum load ratings: 15A/1875W Resistive or General Purpose, 10A/1250W Tungsten, 10A/1250W Ballast, 1/2HP, 125VAC, 60Hz.
- Conforms to UL Std.60730-1, 60730-2-7.

3. PACKAGE CONTENTS

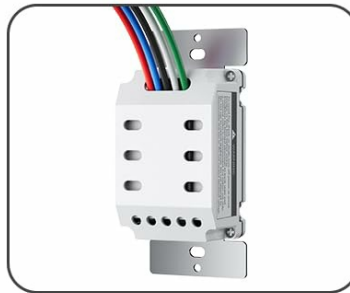
- 1 x BN-LINK SU101C In-Wall Timer Switch
- 1 x Wall Plate
- Wire Nuts
- Instruction Manual

Package Included

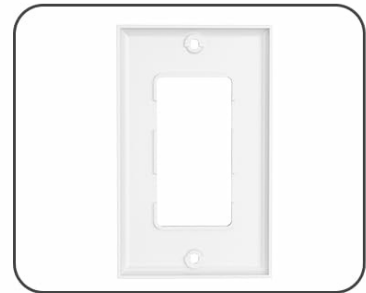
Please check size of timer switch before purchase



Wire Nuts



Timer Switch



Free Plate

Image: Package contents showing the timer switch, wall plate, and wire nuts.

4. PRODUCT OVERVIEW

The BN-LINK SU101C features a clear digital display and intuitive buttons for setting time and programs. A hinged cover protects the programming buttons and provides a manual ON/OFF switch.

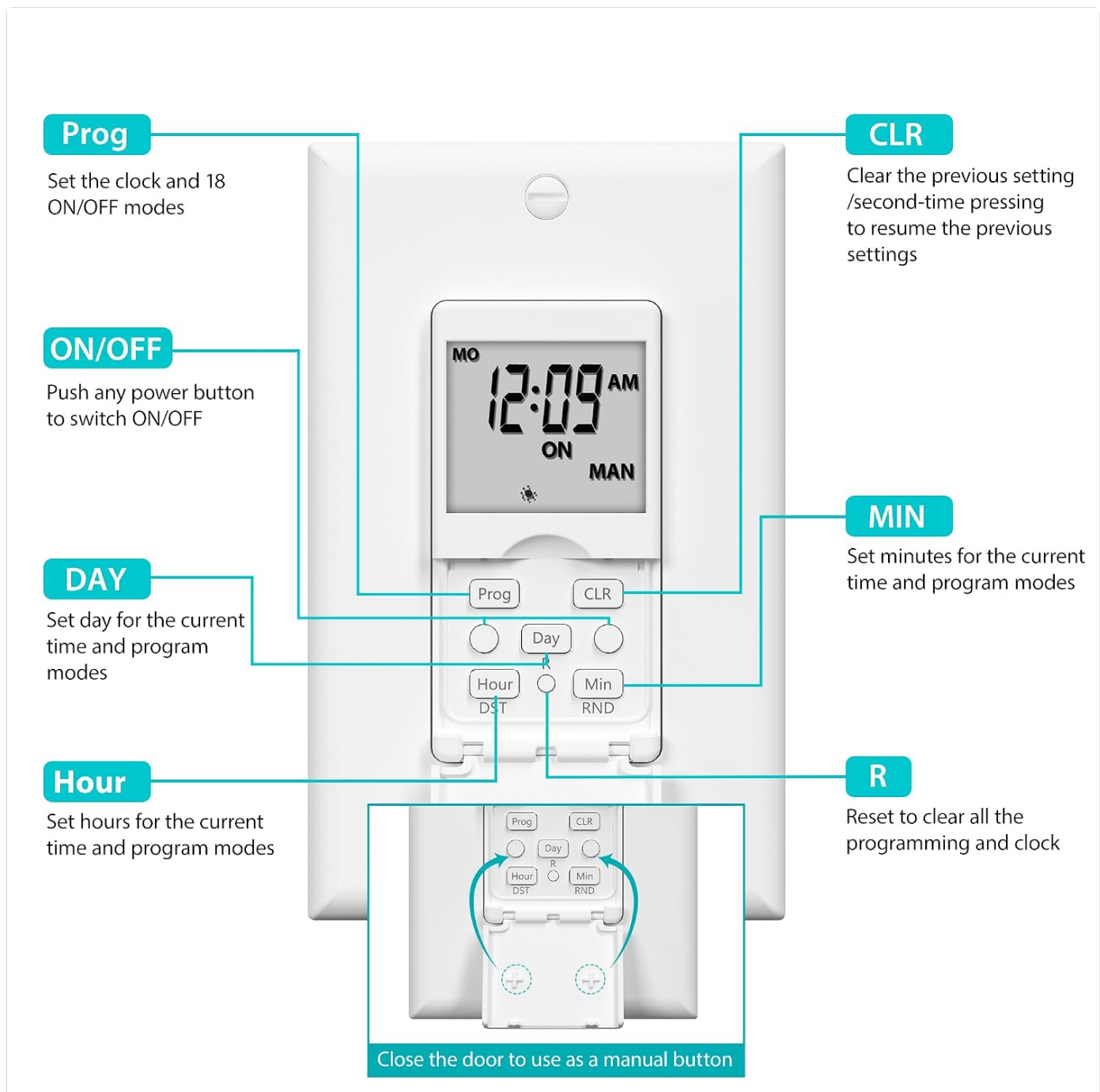


Image: Detailed view of the timer switch control panel, highlighting buttons for programming and settings.

- **Display**: Shows current time, day, and program status.
- **Prog (Program) Button**: Used to set the clock and ON/OFF programs.
- **CLR (Clear) Button**: Clears previous settings or restores previous settings if pressed twice.
- **Day Button**: Sets the day for current time and program modes.
- **Hour Button**: Sets the hour for current time and program modes.
- **Min (Minute) Button**: Sets the minutes for current time and program modes.
- **R (Random) Icon**: Indicates Random mode is active.
- **DST (Daylight Saving Time) Icon**: Indicates Daylight Saving Time is active.
- **Reset Button**: Resets all programming and the clock.
- **System Switch (behind cover)**: ON/OFF switch for the entire device.
- **Manual ON/OFF Door**: Press the door to manually turn the attached device ON or OFF.

5. INSTALLATION

Before proceeding, ensure power is OFF at the circuit breaker. This timer switch is designed for both single-pole and 3-way applications. A neutral wire is required.

5.1 Single-Pole Installation

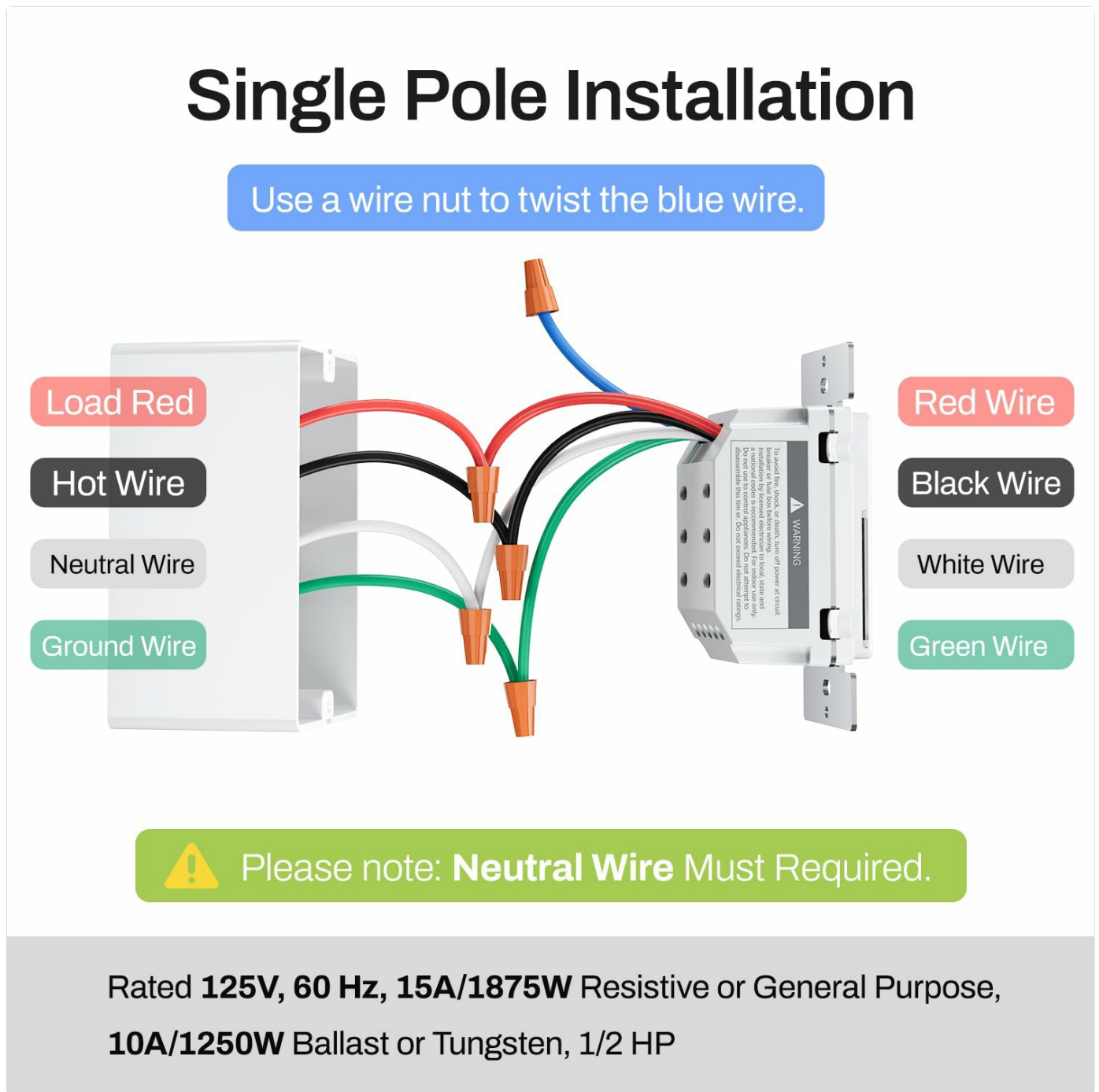


Image: Single-pole wiring diagram for the timer switch.

Connect the wires as shown in the diagram. Ensure the blue wire is twisted with a wire nut if not used in a 3-way setup. The neutral wire must be connected.

5.2 3-Way Installation

Connect blue wire to 3way wire.

Rated **125V, 60 Hz, 15A/1875W** Resistive or General Purpose,
10A/1250W Ballast or Tungsten, 1/2 HP

For 3-way setups, connect the blue wire to the 3-way wire. Follow the diagram carefully. The neutral wire must be connected.

1. After wiring, carefully place the timer into the wall box, ensuring no wires are pinched. The LCD screen should be at the top.
2. Securely fasten the timer to the wall box using the provided screws.
3. Attach the wall plate around the timer.
4. Restore power at the circuit breaker.

Video: Official BN-LINK instruction video for the BND-60 SU101C timer switch, demonstrating installation steps.

1. After restoring power, open the cover on the timer.

2. Position the SYSTEM switch (located behind the cover) to the 'ON' position.
3. Press the 'Reset' button (R) with a small pointed object (e.g., a pen tip) to clear all previous settings. The display will show '12:00 AM'.

Your browser does not support the video tag.

Video: Official BN-LINK video demonstrating how to set up the programmable timer switch, including initial reset and time setting.

6.2 Setting Current Time

1. Press the 'Prog' button once. The 'CLK' icon will appear on the display.
2. Press the 'Day' button to select the current day of the week.
3. Press the 'Hour' button to set the current hour. Pay attention to AM/PM indicators.
4. Press the 'Min' button to set the current minute.
5. Wait approximately 6 seconds, and the time will be automatically saved.

6.3 Daylight Saving Time (DST) Setting

To adjust for Daylight Saving Time:

- Locate the DST icon (sun symbol) above the 'Hour' button.
- Press and hold the 'Hour' button for approximately 4 seconds. The clock will adjust by one hour, and the 'DST' icon will appear on the display, indicating DST is active.
- Repeat the process to deactivate DST.

6.4 Random Security Mode

The Random Security Mode can be used to deter intruders by turning lights ON/OFF at random intervals while you are away.

- Locate the 'RND' icon (R symbol) above the 'Min' button.
- Press and hold the 'Min' button for approximately 4 seconds to activate or deactivate Random Security Mode. The 'RND' icon will appear on the display when active.

7. OPERATING

7.1 Programming ON/OFF Events

The timer allows for up to 18 ON/OFF programs. Each program consists of an ON time and an OFF time.

1. Press the 'Prog' button twice to enter event setup. The display will show '1 ON' and 'PROG'.
2. Press the 'Day' button to select the desired day(s) for this program. You can select individual days or preset combinations.
3. Use the 'Hour' and 'Min' buttons to set the desired ON time. Pay attention to AM/PM.
4. Press the 'Prog' button once to save the ON time. The display will now show '1 OFF' and 'PROG'.
5. Use the 'Hour' and 'Min' buttons to set the desired OFF time.
6. Press the 'Prog' button once to save the OFF time and move to the next program ('2 ON').
7. Repeat steps 2-6 for additional programs.
8. To exit programming, press the 'Manual' button or wait approximately 6 seconds for the timer to return to the clock display.

7.2 Reviewing, Changing, or Deleting Events

To review programmed events, press the 'Prog' button repeatedly. It will cycle through all 18 ON/OFF events.

- **To Change an Event:** Navigate to the desired event using the 'Prog' button. Then use the 'Day', 'Hour', and 'Min' buttons to adjust the settings. Press 'Prog' to save changes.
- **To Delete an Event:** Navigate to the desired event using the 'Prog' button. Press the 'CLR' button once. The time and day will be replaced with dashes. Note: You must delete both the ON and OFF settings for a program to be fully removed.

7.3 Manual ON/OFF Override

The timer can operate in two modes: AUTO (timed ON/OFF) and MANUAL (manual ON/OFF).

- With the cover closed, press the manual ON/OFF door. This will temporarily override the current program and switch the attached device ON or OFF.
- To switch between AUTO and MANUAL modes, press and hold the manual ON/OFF door for approximately 4 seconds. The display will show 'MAN' for manual mode or 'AUTO' for automatic mode.
- When in 'MAN' mode, the device will remain ON or OFF until manually changed again.
- When in 'AUTO' mode, the device will follow the programmed schedule. A temporary manual override will be canceled by the next programmed event.

7.4 System ON/OFF Switch

The SYSTEM switch (located behind the cover) allows you to completely turn off the timer and the attached device.

- Slide the SYSTEM switch to 'OFF'. The display will go blank, and the attached device will turn off.
- All clock and program settings will remain stored even when the system is off.
- Slide the SYSTEM switch to 'ON' to resume normal operation.

8. MAINTENANCE

To ensure optimal performance and longevity of your BN-LINK SU101C timer switch, follow these maintenance guidelines:

- **Cleaning:** Wipe the surface of the timer switch and wall plate with a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **Inspection:** Periodically check the timer switch for any signs of damage, loose connections, or unusual operation. If any issues are observed, turn off power at the circuit breaker and consult a qualified electrician.
- **Battery Backup:** The timer switch includes a built-in rechargeable battery to maintain settings during power outages. No user maintenance is required for this battery.
- **Environmental Conditions:** Ensure the timer is installed in an indoor environment within the specified operating temperature range (Upper Temperature Rating: 140 °F). Avoid exposure to excessive moisture or extreme temperatures.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer display is blank.	No power to the switch; SYSTEM switch is OFF.	Check circuit breaker. Ensure SYSTEM switch (behind cover) is ON. Verify neutral wire connection.
Lights do not turn ON/OFF at programmed times.	Timer is in Manual mode; incorrect programming; SYSTEM switch is OFF.	Ensure timer is in AUTO mode (press and hold manual door for 4 seconds). Review and correct program settings. Ensure SYSTEM switch is ON.
Cannot set time or programs.	Timer is locked or unresponsive.	Press the 'Reset' button with a pointed object. Re-enter time and program settings.
Lights flicker or do not work with LED bulbs.	Incompatibility with certain LED types or minimum load requirements not met.	Ensure LED bulbs are dimmable (if applicable) and compatible with timer switches. Consult bulb manufacturer specifications.
Random mode or DST not activating.	Incorrect activation procedure.	Press and hold the respective 'Hour' (for DST) or 'Min' (for Random) button for 4 seconds until the icon appears.

10. SPECIFICATIONS

- **Brand:** BN-LINK
- **Model:** SU101C
- **Operation Mode:** ON-OFF-ON
- **Current Rating:** 15 A
- **Operating Voltage:** 125 volts
- **Contact Type:** Normally Open
- **Switch Type:** Push Button
- **Material:** Metal (Copper, Brass contacts)
- **Item Dimensions (L x W x H):** 4.92 x 3.23 x 2.44 inches
- **Circuit Type:** 2-way (Single-pole, 3-way compatible)
- **Mounting Type:** Wall Mount
- **Number of Positions:** 18 (for programming)
- **Upper Temperature Rating:** 140 °F
- **Connectivity Protocol:** X-10
- **Wattage:** 1875 watts
- **Compatible Devices:** Lights, fans, motors, 3-way switches, single pole switches
- **Color:** No Backlight
- **International Protection Rating:** IP54
- **Specification Met:** ETL, UL
- **UPC:** 680474115662
- **Included Components:** Wire Nuts

11. WARRANTY AND SUPPORT

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