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> [NICREW Single Channel LED Light Timer Pro: Digital Dimmer Instruction Manual](#)

NICREW N15010

NICREW Single Channel LED Light Timer Pro Instruction Manual

Model: N15010

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1. PRODUCT OVERVIEW

The NICREW Single Channel LED Light Timer Pro is a digital dimmer designed to control 16-30VDC LED lights. It offers three operating modes, including ramp-up/dim-down functions, and supports up to six programmable time points for creating custom lighting cycles. The device features an internal memory to retain settings during power outages.

 Compatible with **16-30 VDC** light only

Up to **4A** (maximum 96 watts at 24VDC)
Using a **2.5 x 5.5 mm** or **2.1 x 5.5 mm** barrel connector



*Check with your LED lighting manufacturer for any compatibility information.

Image 1: The NICREW Single Channel LED Light Timer Pro, showing the main unit with its input and output cables.



Image 2: A hand holding the compact NICREW Single Channel LED Light Timer Pro, illustrating its size and button layout.



Image 3: The product packaging for the NICREW Single Channel LED Light Timer Pro, displaying the timer unit and included DC plug adapters.

2. SETUP AND INSTALLATION

2.1 Compatibility

This timer is compatible with 16-30VDC LED lights only. It supports up to 4A (maximum 96 watts at 24VDC) and uses standard 2.5mm x 5.5mm or 2.1mm x 5.5mm barrel connectors. Please verify your LED lighting manufacturer's specifications for compatibility.



DC Plug Adapter (A) - 2.5mm female to 2.1mm male



DC Plug Adapter (B) - 2.1mm female to 2.5mm male



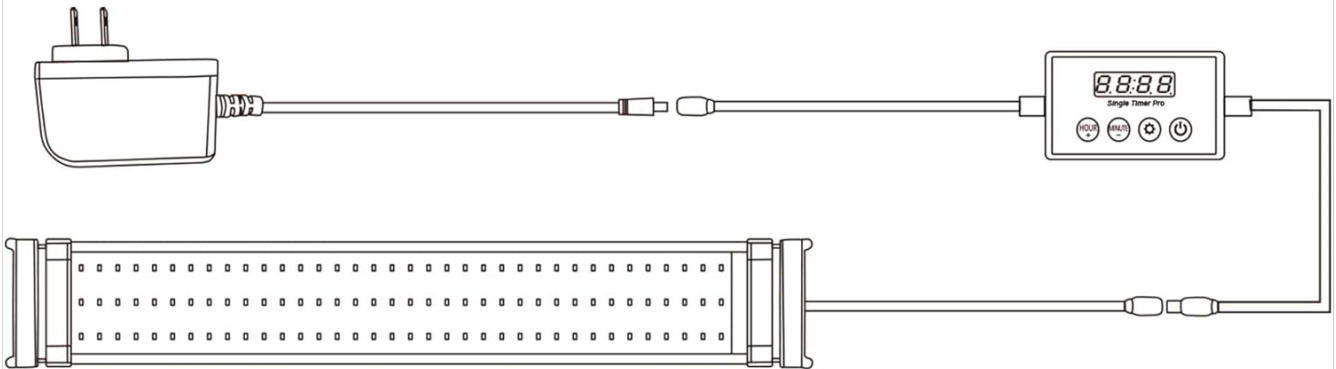
Image 4: DC Plug Adapters (A: 2.5mm female to 2.1mm male, B: 2.1mm female to 2.5mm male) for ensuring compatibility with various barrel plug sizes.

2.2 Connection

1. Connect your LED light to the male DC jack on the timer.
2. Connect your power transformer to the female DC plug on the timer.

Quick Installation Guide

1. Fits for 2.1mm x 5.5mm barrel plug



2. Fits for 2.5mm x 5.5mm barrel plug

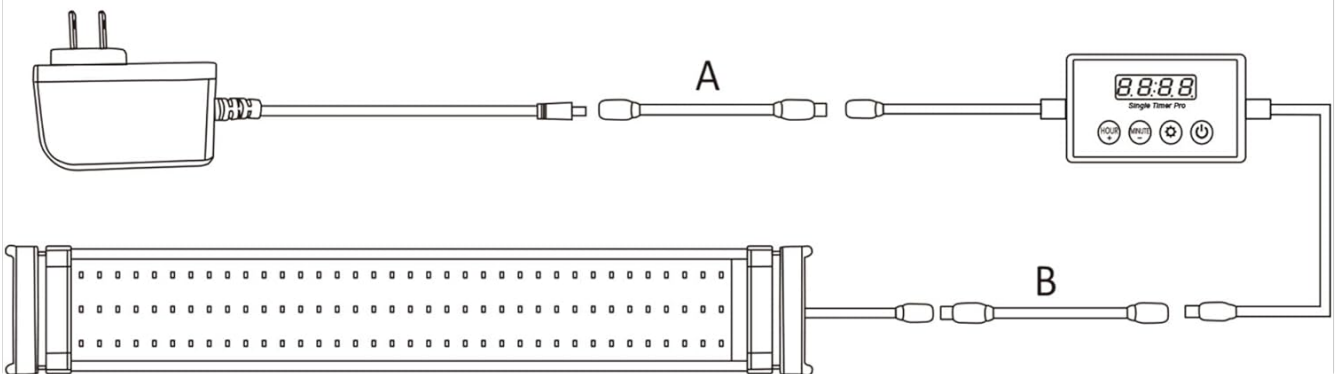


Image 5: Diagram illustrating the connection process for 2.1mm x 5.5mm and 2.5mm x 5.5mm barrel plugs, including the use of DC plug adapters.

2.3 First Time Setup / Reset

To reset the timer for the first time or after a power cycle, press the **SET** button (gear icon) and the **POWER** button (power icon) simultaneously. Hold them down for 3 seconds until the display resets.

Video 1: Official product video demonstrating the connection, reset, and programming of the NICREW Single Channel LED Light Timer Pro.

3. OPERATING INSTRUCTIONS

3.1 Setting the Current Time

1. Press and hold the **SET** button (gear icon) for 3 seconds. The hour digits will begin to flash.
2. Press the **HOUR +** button to adjust the hour.
3. Press the **MINUTE -** button to adjust the minute.
4. Press **SET** again to confirm the time.

3.2 Choosing an Operating Mode (F1-F3)

The timer offers three modes:

- **F1: Straight ON/OFF Mode** - Simple on/off functionality without dimming.
- **F2: Ramp Mode (15 minutes ramp/dim)**- Gradual increase or decrease in light intensity over 15 minutes.
- **F3: Ramp Mode (30 minutes ramp/dim)**- Gradual increase or decrease in light intensity over 30 minutes.

To select a mode:

1. After setting the current time, press the **SET** button (gear icon) again. The display will show 'F1', 'F2', or 'F3'.
2. Use the **HOUR +** or **MINUTE -** buttons to cycle through the modes.
3. Press **SET** to confirm your selection.

3.3 Programming Time Points (L-01 to L-06)

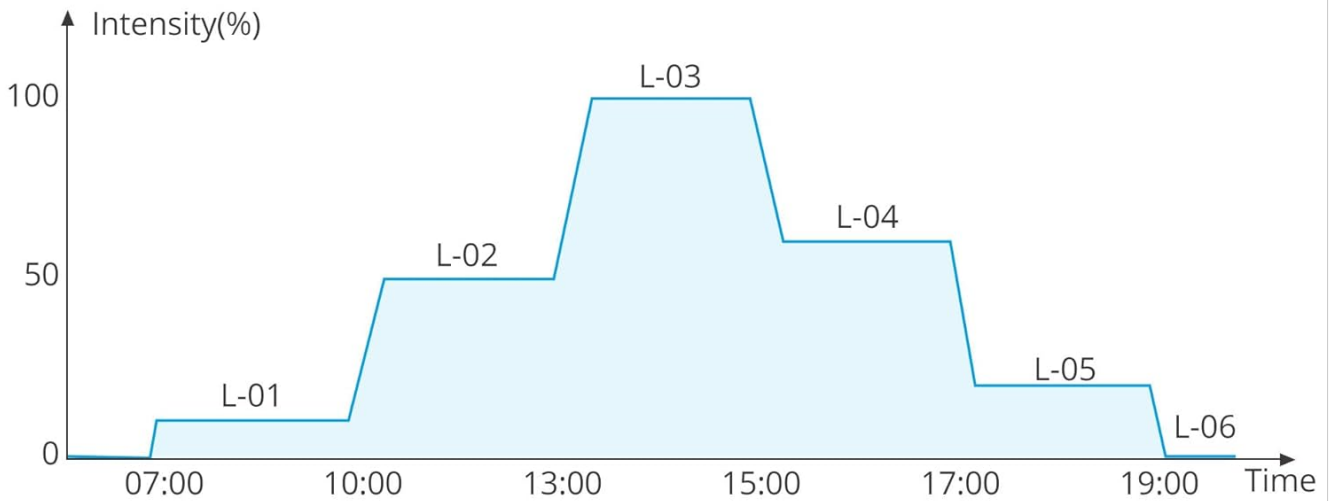
The timer supports up to 6 separate programming time points (L-01 to L-06) to create custom dawn and dusk effects.

1. After selecting the operating mode, press **SET**. The display will briefly show 'L-01' and then flash '--:--'.
2. Press the **POWER** button (power icon) to activate the L-01 time point.
3. Use the **HOUR +** and **MINUTE -** buttons to set your desired time for L-01.
4. Press **SET** again to set the light intensity for L-01. The display will show 'L.000' (or similar, indicating intensity).
5. Use the **HOUR +** or **MINUTE -** buttons to set the desired light intensity (from 1% to 100%).
6. Press **SET** to move to the next time point (L-02). Repeat steps 2-5 for L-02, L-03, and L-04.
7. To skip L-05 and L-06, simply press **SET** repeatedly until the display returns to the current time.

Program Mode

Ramp UP / Dim Down

Create unique dawn and dusk effects by altering light intensity throughout up to 6 different time points.



 Time point	L-01 7:00	L-02 10:00	L-03 13:00	L-04 15:00	L-05 17:00	L-06 19:00
 Intensity	10%	50%	100%	60%	20%	0%

Image 6: A graph illustrating a programming example for the F2 Ramp Mode, showing light intensity changes over six time points throughout the day.

3.4 Manual On/Off

To manually turn the light on or off, press the **POWER** button (power icon). When the light is manually turned off, the display will show 'OFF'.

3.5 Adjusting Light Intensity (Manual Mode Only)

When the light is manually turned on (display shows 'ON'), you can adjust its intensity:

1. Press the **HOUR +** or **MINUTE -** buttons to directly set the brightness level.
2. Press the **SET** button (gear icon) to exit the intensity setting and resume the normal lighting cycle.

4. MAINTENANCE

To ensure optimal performance and longevity of your NICREW Single Channel LED Light Timer Pro, keep the device

clean and dry. Avoid exposing it to excessive moisture or extreme temperatures. Regularly check connections to ensure they are secure.

5. SPECIFICATIONS

Feature	Detail
Model Number	N15010
Product Dimensions	0.63"D x 3.15"W x 5.91"H
Weight	2.89 ounces
Manufacturer	NICREW
Finish Type	Glossy
Base Material	Plastic
Switch Type	Dimmer
Additional Features	Dimmable
Power Source	Corded Electric
Controller Type	Push Button
Is Waterproof	false
Water Resistance Level	Not Water Resistant
Voltage	16-30 Volts DC (Max 30V)
Max Current	4A
Max Wattage	96 watts (at 24VDC)
Connectivity	Standard 2.5mm/2.1mm Power Connectors
Indoor Outdoor Usage	Indoor

6. TROUBLESHOOTING

- **Display shows '8.8:8.8' or is unresponsive:** This may indicate a need for a reset. Perform the First Time Setup / Reset procedure by pressing **SET** and **POWER** simultaneously for 3 seconds.
- **Light not turning on/off or dimming as programmed:** Verify that the correct operating mode (F1, F2, or F3) is selected and that all time points (L-01 to L-06) are programmed correctly. Ensure the timer is not in manual ON/OFF mode.
- **Incompatibility with LED light:** Confirm that your LED light operates within the 16-30VDC range and uses a standard 2.5mm or 2.1mm barrel connector. Use the provided DC plug adapters if necessary.

- **Settings lost after power outage:** The timer features internal memory to store pre-programmed settings. If settings are lost, ensure the device is properly connected and re-program if needed.

7. WARRANTY AND SUPPORT

The NICREW Single Channel LED Light Timer Pro comes with a hassle-free 12-month warranty. For any product inquiries, technical assistance, or warranty claims, please contact NICREW customer service. We are committed to providing 24-hour friendly customer service to ensure your satisfaction.

