

Welcome Guide

LED Lighting Controller Dimmer & Timer

Simulate Sunrise and Sunset Every Day

Inspired by mother nature, this time module is a fully programmable 24-hour LED lighting controller that not only turns your lights on and off, but it also simulates a gentle sunrise and sunset for your critters.

Quick Installation Guide

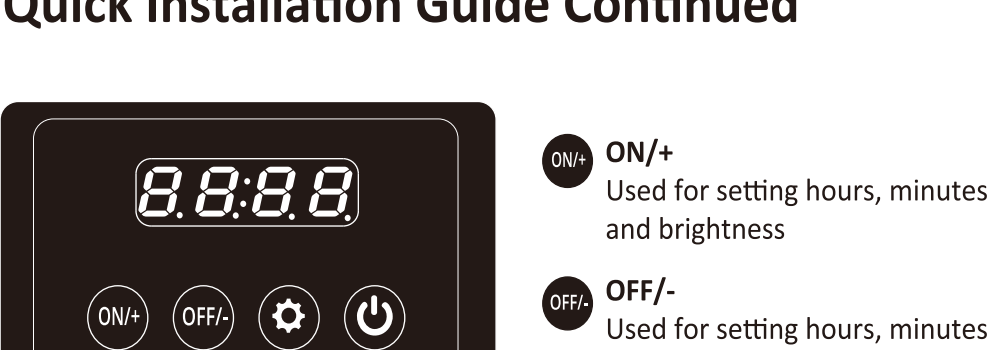
Connecting the timer to your light

Accessories:

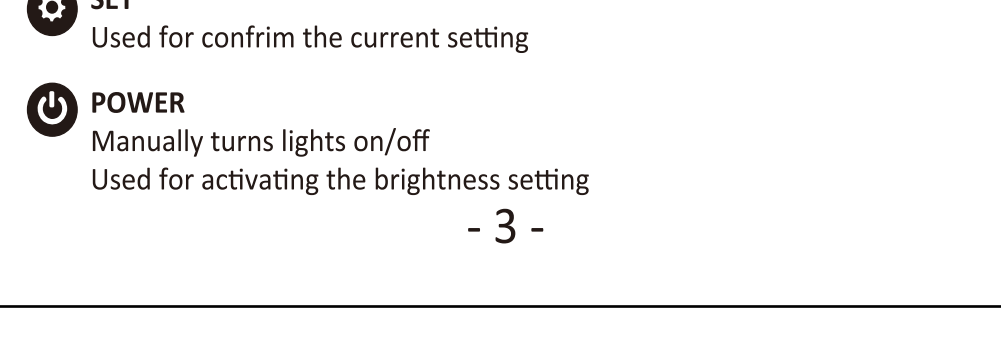
- DC Power Adapter (A) - 2.1mm female to 2.1mm female
- DC Power Adapter (B) - 2.5mm female to 2.1mm female
- DC Power Adapter (C) - 2.1mm female to 2.5mm male

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1. Fits for 2.1mm x 5.5mm barrel plug

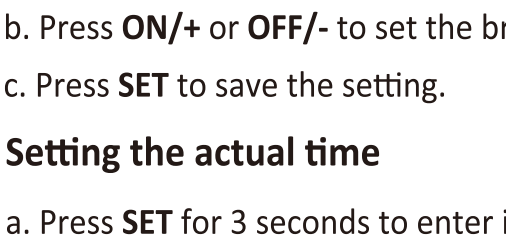


2. Fits for 2.5mm x 5.5mm barrel plug



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Quick Installation Guide Continued



ON/+
Used for setting hours, minutes and brightness

OFF/-
Used for setting hours, minutes and brightness

SET
Used for confirm the current setting

POWER
Manually turns lights on/off
Used for activating the brightness setting

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Programming

Manual ON/OFF

Press **POWER** to switch the light ON/OFF.

Adjust brightness

- Press **POWER** for 3 second to enter into the brightness setting.
- Press **ON/+** or **OFF/-** to set the brightness you need.
- Press **SET** to save the setting.

Setting the actual time

- Press **SET** for 3 seconds to enter into the time setting.
- Press **ON/+, OFF/-** to adjust to the correct hour.
- Press **SET** to confirm the hour and set the minute.

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- Press **ON/+, OFF/-** to adjust to the correct minute.
- Press **SET** to confirm the setting.

NOTE: 1. Should the **NICREW LED Timer** be disconnected from power supply, the stored current time data will be lost and need to be entered again.

2. If no button input within 5 seconds the timer will exit setup.

Setting the timer

You can choose Straight On/Off Mode or Sunrise and Sunset Mode. These two programs can not be used at the same time.

1. Straight On/Off Mode

Function: Switching on or off automatically without dimming.

Adjusting the ON time:

- Press **ON/+** and hold the button down for 3 seconds to enter into the programming mode. If the display flash between the time and OFF, it means the ON time is not activated. Press **POWER** to activate and the hour figure will flash.

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- Press **ON/+** and **OFF/-** to set the hour.
- Press **SET** to confirm your selection, and the minutes figure will flash.
- Use the **ON/+** and **OFF/-** to set the minutes.
- Press **SET** to finish the ON time setting.

Adjusting the OFF time:

- Press **OFF/-** and hold the button down for 3 seconds to enter into the programming mode. If the display flash between the time and OFF, it means the OFF time is not activated. Press **POWER** button to activate and the hour figure will flash.

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- Press **ON/+** and **OFF/-** to set the hour.
- Press **SET** to confirm your selection, and the minutes figure will flash.
- Use the **ON/+** and **OFF/-** to set the minutes.
- Press **SET** to finish the OFF time setting.

NOTE: When setting the ON or OFF time, you can press **POWER** to disable this mode.

2. Sunrise and Sunset Mode

Function: Dimming up and down from 0 – 100% – 0% for 15 minutes each.

Note: There are 6 different programme blocks (L - 01 to L - 05 and LOFF) that can be set.

Adjusting the L - 01 to L - 05 time:

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- Press **ON/+** and **OFF/-** simultaneously, hold them down for 3 seconds to enter into the sunrise and sunset mode.
- If the display flash between “L - 01” and “OFF”, it means the L - 01 setting is not activated. Press **POWER** to activate and the display will show “L - 01”.
- Press **SET** and the hour figure will flash. Press **ON/+** and **OFF/-** to set hour.
- Press **SET** to confirm your selection, and the minutes figure will flash.
- Press **SET** to confirm the time. The display will show ‘L010’.
- Press **ON/+** and **OFF/-** to set the brightness you need from L000 to L100. L000 means OFF, L100 means 100% Brightness.
- Press **SET** again to enter into the next programme block.
- Repeat (b) through (g) to continue setting L - 02 to L - 05.

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Adjusting the LOFF time:

- After setting L - 05, press **SET** to adjust the sunset time. If “LOFF” flash on the display, it means the LOFF setting is not activated. Press **POWER** to activate and the display will show “LOFF”.
- Press **SET** and the hour figure will flash.
- Press **ON/+** and **OFF/-** to set the hour.
- Press **SET** to confirm your selection, and the minutes figure will flash.
- Press the **ON/+** and **OFF/-** to set the minutes.
- Press **SET** to finish.

NOTE: The LOFF is default to turn off the light. The light will turn off gradually if you have activated this setting.

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Programming Examples

The timer uses 24 hour time as its display mode.

Example 1

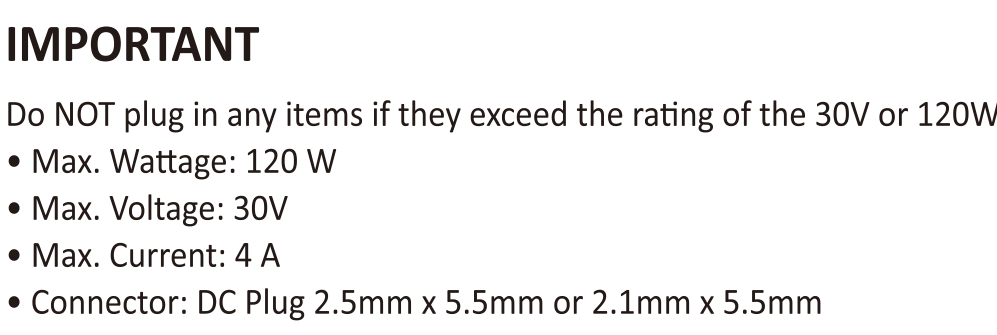
Everyday: ON 8:00 - 8:15 @100% brightness - 18:00 @100% brightness - 18:15 OFF

PROGRAM SETTINGS

L - 01:	8:00	L100
L - 02	OFF	
L - 03	OFF	
L - 04	OFF	
L - 05	OFF	
LOFF:	18:00	

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Below is a typical 24-hour light cycle with sunrise/sunset. Please set the sunrise and sunset times as you like.



Example 2

Everyday: Ramp up to 10% brightness from 7:00, Ramp up to 50% from 10:00 brightness, Ramp up to 100% brightness from 13:00, Dim down to 60% Brightness from 15:00, Dim down to 20% Brightness from 17:00, Dim down to off from 19:00.

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L - 01	7:00	L010
L - 02	10:00	L050
L - 03	13:00	L100
L - 04	15:00	L060
L - 05	17:00	L020
LOFF	19:00	

NOTE: These two Modes can not run at the same time. Straight On/Off Mode will become invalid if the Sunrise and Sunset Mode has been activated. Conversely, the Sunrise and Sunset Mode won't work if Straight On/Off Mode is activated.

3. Resetting the timer

Press **SET** and **POWER** simultaneously, hold them down for 3 seconds to reset all the program except current time.

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IMPORTANT

Do NOT plug in any items if they exceed the rating of the 30V or 120W.

- Max. Wattage: 120 W
- Max. Voltage: 30V
- Max. Current: 4 A
- Connector: DC Plug 2.5mm x 5.5mm or 2.1mm x 5.5mm
- Memory for power outage
- Single channel controller
- For indoor use only
- 1 year limited warranty

We highly suggest checking with your LED light manufacturer to ensure compatible and warranty coverage.

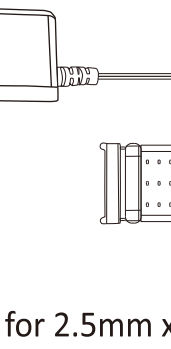
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Frequently Asked Questions

1. What is the most common size of DC connector? The most common sizes are 2.1mm and 2.5mm. You should always check with the manufacturer of the electronic device to be certain.
2. If the power goes out, will the timer remember my settings? Yes, the Timer has a internal memory which will store your settings except current time. You need to reset the clock.
3. Does the timer require a battery? No, it doesn't require a battery or battery replacement.
4. Is the timer water resistant or water proof? No, please ensure the timer does not get wet and is not located near moisture or salt creep.
5. Why the Straight On/Off Mode(or Sunrise and Sunset Mode) doesn't work? Please make sure you have activated the mode you desired by pre-ssing **POWER**.

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For more information, please visit:



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