

NICREW

User Guide

LED Light Controller

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

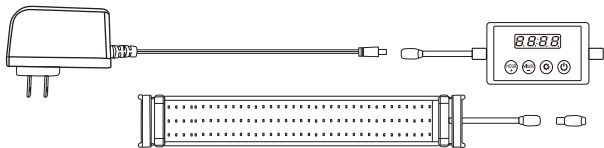
Connecting the timer to your light

Accessories:

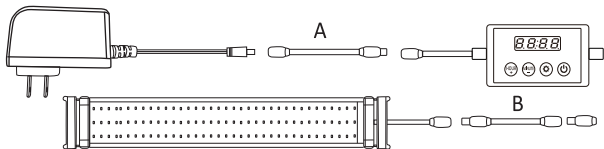
DC Power Adapter (A) - 2.5mm female to 2.1mm male

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

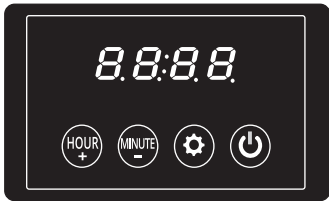
1. Fits for 2.1mm x 5.5mm barrel plug



2. Fits for 2.5mm x 5.5mm barrel plug



Quick Installation Guide Continued



HOUR +

Used for setting hours and increase brightness



MINUTE -

Used for setting minutes and decrease brightness



SET

Used for confirming the current setting



POWER

Manually turns lights **ON/OFF**

Used for entering the brightness setting

Programming Process

- Press and hold **SET** button for 3 seconds until the time flash. Press **HOURL +** to adjust to the correct hour and press **MINUTE -** to adjust to the correct minute.
- Press the **SET** button and the digital display will show **ON** briefly and flash a time. Use the **HOURL +** and **MINUTE -** to set the on time - this is when you would like your lights to turn on.
- Press the **SET** button again and the digital display will show **OFF** briefly and flash a time. Use the **HOURL +** and **MINUTE -** to set the off time - this is when you would like your lights to turn off.

- Press the **SET** button again and the current mode the timer is in will flash (either **F1**^① or **F2**^②). To toggle between both modes, press **HOUR +** for F1 dimming mode, **MINUTE -** for straight **ON/OFF** mode. To exit the mode menu, simply press **SET** again and your setting will be saved.
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① Simulate sunrise and sunset

② Switching **ON** or **OFF** automatically without dimming

Manual ON/OFF

If, at any time, you wish to turn your lights on, simply press the **POWER** button. Press the **POWER** button again to turn them off. Press the **SET** button to resume the normal timing cycle.

Adjust Brightness/Intensity

When the LCD screen shows "ON" in manual mode, press **POWER** for 3 seconds to enter into the brightness setting and press **HOUR +** or **MINUTE -** to set the brightness you need.

NOTE:

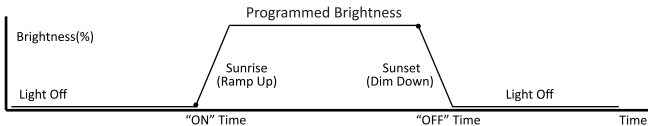
- Intensity can be adjusted from 1% to 100% (L1=1%, L100=100%).
- Not all LED lights are dimmable, some lights may flicker or go out completely when changing brightness. Make sure yours are.
- The brightness will be also applied in timer mode. For example, you adjust the intensity to 60%, the timer will ramp up to 60% brightness in **F1** or **F2** mode.

Reset Function

Press **SET** and **POWER** simultaneously, hold them down for 3 seconds. This resets the unit to default settings.

Suggested Lighting Schedules

Below is a typical 24-hour light cycle with sunrise and sunset. Please review the suggested lighting cycles below. (The following example sets the brightness to 100%)



Total Daylight Hours	“ON” Time	Full Brightness	“OFF” Time	Lights Off
13 Hours	07:00 AM	07:15 AM	20:00 PM	20:15 PM
12 Hours	07:00 AM	07:15 AM	19:00 PM	19:15 PM
11 Hours	07:00 AM	07:15 AM	18:00 PM	18:15 PM
10 Hours	08:00 AM	08:15 AM	18:00 PM	18:15 PM
9 Hours	08:00 AM	08:15 AM	17:00 PM	17:15 PM
8 Hours	08:00 AM	08:15 AM	16:00 PM	16:15 PM

IMPORTANT

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

- Max. Wattage: 120W
- Max. Voltage: 30V
- Max. Current: 4A
- Dimming Type: PWM (Pulse Width Modulation)
- 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
- Not waterproof

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

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 an internal memory which will store your settings. But you still need to reset the clock.

3. Does the timer require a battery?

No, it doesn't require a battery or battery replacement.

4. Why the F1/F2 doesn't work?

Please press the **SET** button to resume the normal timing cycle.

5. Can I use the Timer with other brand LED lights?

Yes, any 0-30V DC light up to 120 Watts using a 2.5mm x 5.5mm or 2.1 x 5.5mm barrel connector is compatible. Check with your LED lighting manufacture for any warranty information.

6. Can I adjust the ramp up and dim down time and brightness?

We've designed the timer with a built-in ramp up and dim time so no further adjustment is required. You can adjust the brightness in manual mode.

7. Why is my LED light not as bright as it should be when using this Timer?

Please check the light intensity and increase it to 100%.

Limited Warranty

NICREW products carry a one year limited warranty from the date of purchase. If your product is within warranty and you require a replacement part or service, please contact us at support@nicrew.com.

For more information, please visit



www.nicrew.com

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