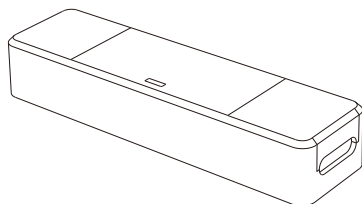


Press key control

LED Dimmer

Model: N2021



Full Protection



Easy Operation



Wide Voltage Range



Press Key



Smooth Fading



Memory Function

2. Press key input

Connect to a push-button key for switching on/off and dimming function. Please make sure the key is normally open type and only contact when key pressed (same as the door bell key).

3. Work status indicator

This indicator displays all working status of the controller. It shows different events as following:

Steady green: Normal working.

Single green blink: Normal operation.

Long single yellow blink: Reach brightness limit.

Red flash: Overload protection.

Yellow flash: Over heat protection.

4. LED Output

Connect LED fixtures to this terminal. Install positive LED load cable into the terminal marked with '+' and negative cable into the terminal marked with '-'. Please make sure the LED rated voltage is same as the power supply and the maximum load current is lower than controller's rated current.

CAUTION: The controller will stop working if the output overloaded or shorted. The indicator will flash red color in this case. Please check the wiring and load current to make sure the work condition is good for the controller.

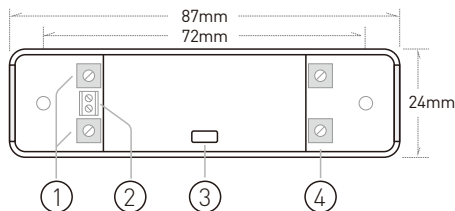
5. Operation

Single press the key to toggle turn on/off the light, hold press to dim up or dim down. The dimming direction will flip on each hold press operation.

■ Introduction

Thank you for purchasing our product. This press-key LED dimmer is designed to drive constant voltage LED products in voltage range of DC5V-24V. With simple 'click' and 'hold' key-press operation, it can switch on/off or dim LED brightness smoothly. With protect function for overload, short circuit and over heat, the installation and usage will be trouble free.

■ Dimension & Terminal



1. Power Input

Install positive power cable into the terminal marked with '+' and negative power cable into the terminal marked with '-'. The controller can accept DC power from 5V to 24V, the output voltage is the same as the power supply, so please make sure the LED rated voltage is same as the power supply.

■ Specification

Working Voltage	DC 5-24V
Brightness Level	256 levels
Operation Mode	Press Key
Rated Output Current	8A
PWM Frequency	1KHz
Overload Protection	Yes
Overheat Protection	Yes, @105°C ± 5%
Short Circuit Protection	Yes
Wrong Wiring Protection	Yes
Power Off Memorize	Yes, All status