

7. Exception Handles

Malfunction	Causation	Solution
No Light	1. No power from plug 2. At black mode 3. Overload Recovery 4. Incorrect connection	1. Change the socket 2. Change the running mote 3. Lighten load, react 4. Check the connection

8. After-Sales

From the day you purchase our products within 3 years, if being used properly in accordance with the instruction, and quality problems occur, we provide free repair or replacement services except the following cases:

1. Any defects caused by wrong operations.
2. Any damages caused by inappropriate power supply or abnormal voltage.
3. Any damages caused by unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
4. Any damages due to transportation, breaking, flooded water after the purchase.
5. Any damages caused by earthquake, fire, flood, lightning strike etc force majeure of natural disasters.
6. Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.
7. Product has been updated.

9. Kindly Reminder

**1. Power Source Selection**  
 Power source must be DC constant voltage type of power supply. Due to the efficient output in some power supplies are only 80% of total, so please select at least 20% higher output power supply than the consumption of LED lights.

0-10V LED Dimming Driver User Manual



(Please read through this manual carefully before use)

1. Brief Introduction

As LED and fluorescent lights are becoming more and more popular in the same project, but the dimming principles of LED and traditional fluorescent lights are different, so we developed a new 1-10V dimming Driver which has solved the compatible problem of fluorescent dimming controller and LED illumination; this controller can dim both fluorescent and LED lamps at the same time.

2. Specifications

Model	350mA	700mA	1050mA
Input voltage	DC12V-DC48V	DC12V-DC48V	DC12V-DC48V
Max current load	350mA	700mA	1050mA
Signal Input	Active/passive 1-10V or potentiometer		
Output Signal	PWM LED dimming signal		
Max output power	12V: 1-3pcs 1W LED 24V: 1-6pcs 1W LED 36V: 1-9pcs 1W LED 48V: 1-12pcs 1W LED	12V: 1-3pcs 3W LED 24V: 1-6pcs 3W LED 36V: 1-9pcs 3W LED 48V: 1-12pcs 3W LED	12V: 1-3pcs 5W LED 24V: 1-6pcs 5W LED 36V: 1-9pcs 5W LED 48V: 1-12pcs 5W LED
Product Dimension	L125×W45×H36(mm)		
Package Dimension	L130×W47×H41(mm)		
Weight (G.W)	90g		

3. Basic Features

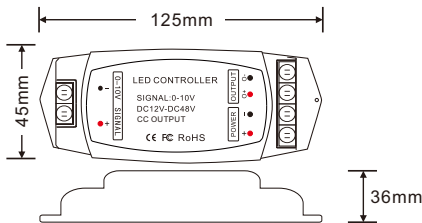
1. 1- 10V to PWM dimming signal conversion.
2. Compatible with many brand dimming systems.

3. Working voltage from DC12V~DC48V
4. Single output channel, Constant current 350mA/700mA/1050mA.
5. Multi units can be worked together or use our power repeaters to control more lamps.

4. Safety warnings

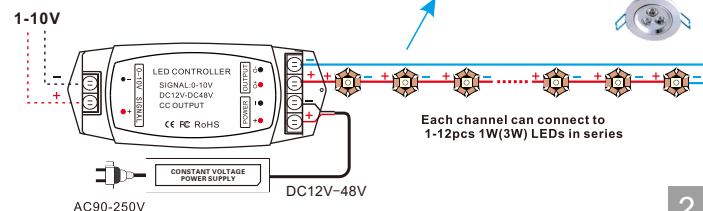
- Please don't install this controller in lightening, intense magnetic and high-voltage fields.
1. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection.
  2. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
  3. Check if the voltage and power adapter suit the controller.  
(please select DC12-48V power supply with constant voltage)
  4. Don't connect cables with power on; make sure a correct connection and no short circuit checked with instrument before power on.
  5. Please don't open controller cover and operate if problems occur.  
The manual is only suitable for this model; any update is subject to change without prior notice.

5. Dimensions

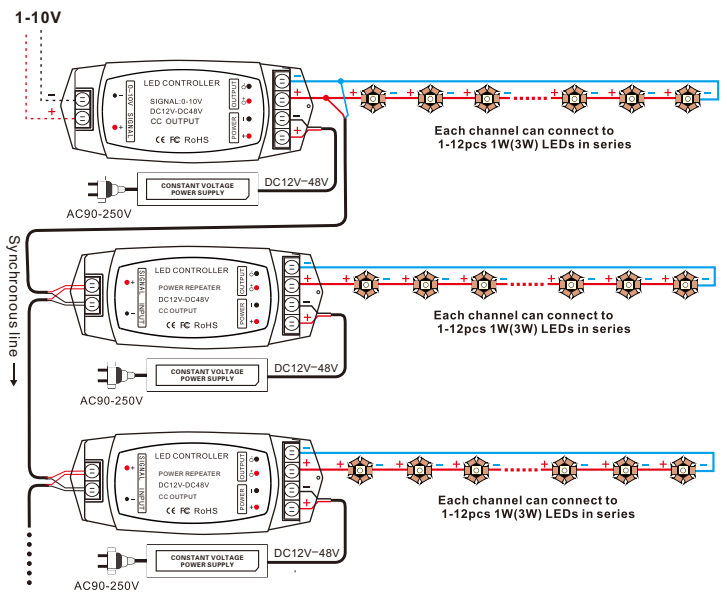


6. Conjunction Diagram

1) Conjunction Diagram



2) Connects with LED amplifier in parallel, for example:



3) Amplifier connect in series:

