LEDWALLREM-350
Constant Current LED Dimmer

LEDWALLREM-350 is an intelligent dimmer dedicated to adjust the brightness of LED light, adopted the most advanced PWM (Pulse-Width Modulation) digital brightness-adjusting technology at present, users can either turn around the knob manually or use the IR wireless remote control panel to control the brightness infinitely, suitable for installation of commercial and household 86-style socket, can install the socket visibly outside the wall or inside the wall invisibly. It is suitable for dimming hi-power 1W LED lamps and it's energy-saving.

1. Technical Specs:

| Ledsuwallrem-350	
Power Supply Chosen	DC CV SMPS
Input Voltage	DC12V～DC48V
Output Signal	Constant Current PWM
Output Current	Constant Current 350mA
Driving LEDs	1~12 pcs 1W LEDs
Dimming Range	0-100%
Grey Scale	1024 Levels
Working Temperature	-30℃ -55℃
Switch Dimension	L87×W87(mm)
Remoter Dimension	L86×W33(mm)
Packaging Dimension	L96×W91×H61(mm)
Weight (G.W.)	200g

2. Features:

1. 0～100％ brightness adjust, infinite knob style dimming+ wireless IR remote dimming, easy to operate.

2. 1024 levels grey scale, soft and smoothly, without strobe phenomenon.

3. PWM digital dimming+ programs without current surge, longest life tenure of LED.

4. 25%, 50%, 75%, 100% 4 DIY scene keys, fast adjust.

5. 4 DIY scene keys, with Fluorescent Indicator & delay off button, users friendly.

6. When load of constant current/voltage is beyond, add extra repeater to expand power.

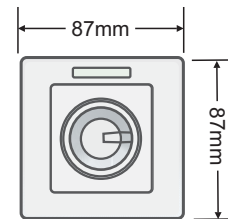7. Several different types available, suitable for LED lamps with a different circuit.
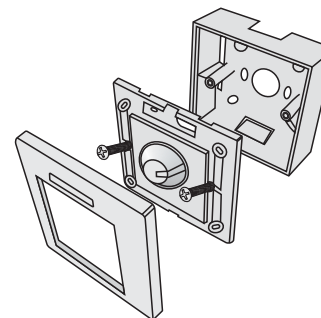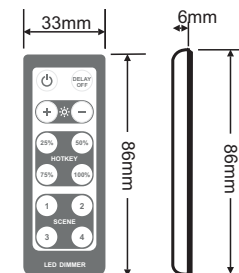
3. Construction Drawing:
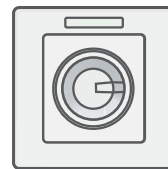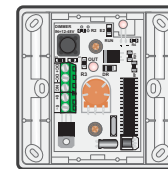
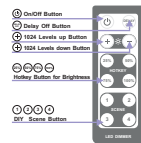Front View   Back View   Dimmer Size

Major Configuration   IR Remote Size

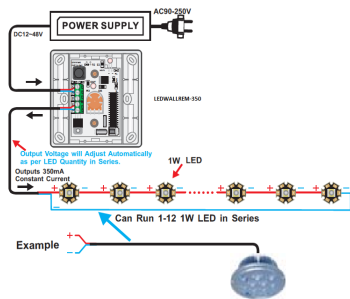## 4.　Operation Instructions:

1) About the Button:

On/Off Button
Delay Off Button
1024 Levels up Button
1024 Levels down Button
Hotkey Button for Brightness
DIY Scene Button
LED DIMMER

Dimmer Knob Instruction　　**IR Remote Instruction**

2) Detailed Functions of IR Remote Button:

Sign	Button	Description
⏻	ON/OFF	• Start or turn off the LED lamp 📝At the off statue, press any key to start the LED lamp.
DELAY OFF	DELAY OFF	• Press this button, LED light will delay 30 seconds to be off by itself.
+ ☀ −	BRT+ BRT-	• Press this two buttons to increase and decrease LED brightness. • Can change brightness continuously by holding on the button.
25% 50% HOTKEY 75% 100%	BRIGHTNESS KEYBOARD SHORTCUTS	• Can select different brightness you want directly and immediately by Pressing these 4 shortcuts.
1 2 SCENE 3 4	DIY SCENE KEY	• Total four keys, press any key over 3 seconds until the indicator flicks, it means the current brightness was recorded to this button, later you can enter this mode by just once pressing.

5.　Connection Diagram:

1) LEDWALLREM-350 Connects 1W Hi-power LED Directly:

AC90-250V
DC12~48V
POWER SUPPLY
LEDWALLREM-350
Output Voltage will Adjust Automatically as per LED Quantity in Series.
Outputs 350mA Constant Current
1W LED
Can Run 1-12 1W LED in Series
Example

3

2) You can add our constant current power repeater LEDWALLREM-350 to expand power output unlimitedly.

AC90-250V
DC12~48V
POWER SUPPLY
LEDWALLREM-350
outputs 350mA conistant current
LED CONTROLLER MODEL: LT-3090-350 POWER REPEATER
AC90-250V
POWER SUPPLY
DC48V
Drives 1-12 pcs 1W hi-power LED per channel　3CH
outputs 350mA conistant current
LED CONTROLLER MODEL: LT-3090-350 POWER REPEATER
AC90-250V
POWER SUPPLY
DC48V
Drives 1-12 pcs 1W hi-power LED per channel　3CH
Example

6.　Attention:

1) The product shall be installed and serviced by a qualified person.
2) This product is non-waterproof. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
3) Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
5) Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
6) Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7) If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.

7.　Warranty Agreement:

1) We provide lifelong technical assistance with this product:
   • A 3-year warranty is given from the date of purchase. The warranty is for free repair or replacement and covers manufacturing faults only.
   • For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
2) Warranty exclusions below:
   • Any man-made damages caused from improper operation, or connecting to excess voltage and overloading.
   • The product appears to have excessive physical damage.
   • Damage due to natural disasters and force majeure.
   • Warranty label, fragile label and unique barcode label have been damaged.
   • The product has been replaced by a brand new product.
3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer. LED SUPPLIES shall not be liable for any incidental or consequential damages for breach of any stipulation in this warranty.
4) Any amendment or adjustment to this warranty must be approved in writing by LED SUPPLIES only.
★This manual only applies to this model. LED SUPPLIES reserves the right to make changes without prior notice

4
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