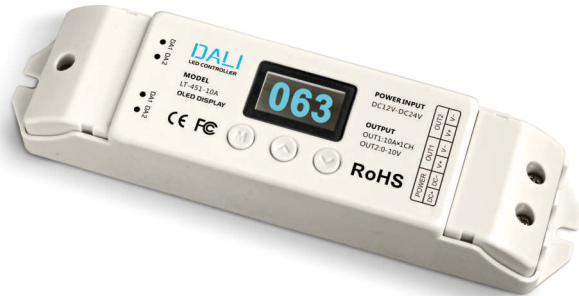


LT-451-10A DALI LED Dimming Driver



We developed a new DALI to PWM dimming driver which has solved the compatible problem of the fluorescent dimming system and the LED illumination. LED lamps can be controlled by many traditional intelligent dimming systems such as Lutron, Dynalite, Tridonic, Schneider, Clipsal, Osram, Philips, ABB, etc.

LT-451-10A CV dimming driver adopts the latest DALI standard IEC62386(compatible with IEC60929). It can load Max 10A current, 12V can load max 120W, 24V can load max 240W.

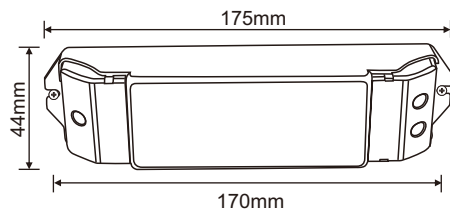
LT-451-10A, OLED display, supporting auto-assigned/manul-input address, With dimming self-testing function, could dim in stand-alone mode.

1. Product Parameter

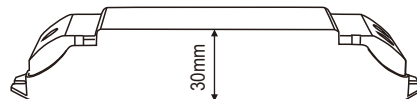
LT-451-10A DALI LED Dimmer

- | | |
|--------------------------------------------------------|----------------------------------|
| • Input Signal: DALI Dimming Signal(IEC62386/IEC60929) | • Working Temp.: -30°C~55°C |
| • Input Voltage: DC12V~DC24V | • Dimension: L175×W44×H30(mm) |
| • Output: 10A x1CH+0-10V x 1CH | • Package Size: L178×W48×H33(mm) |
| • Max Output Power: 120W/240W(12V/24V) | • Weight(G.W.): 150g |
| • Dimming Range: 0~100% | |

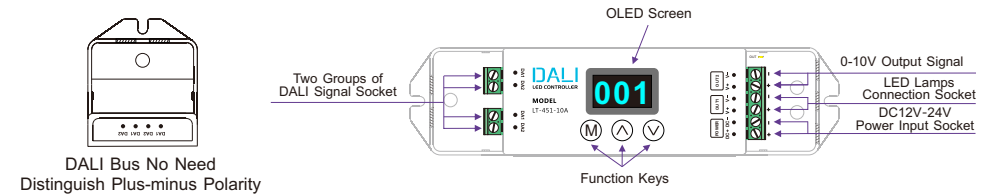
2. Product Dimension:



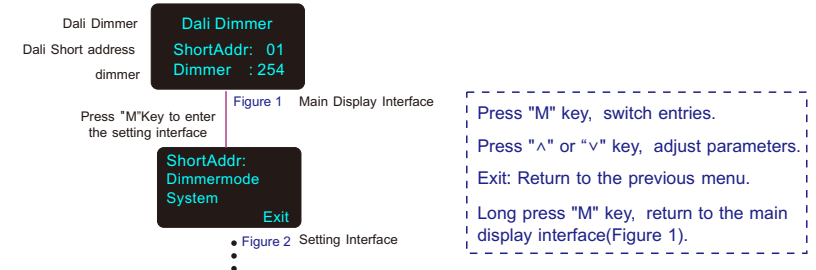
1



3. Terminal Description:



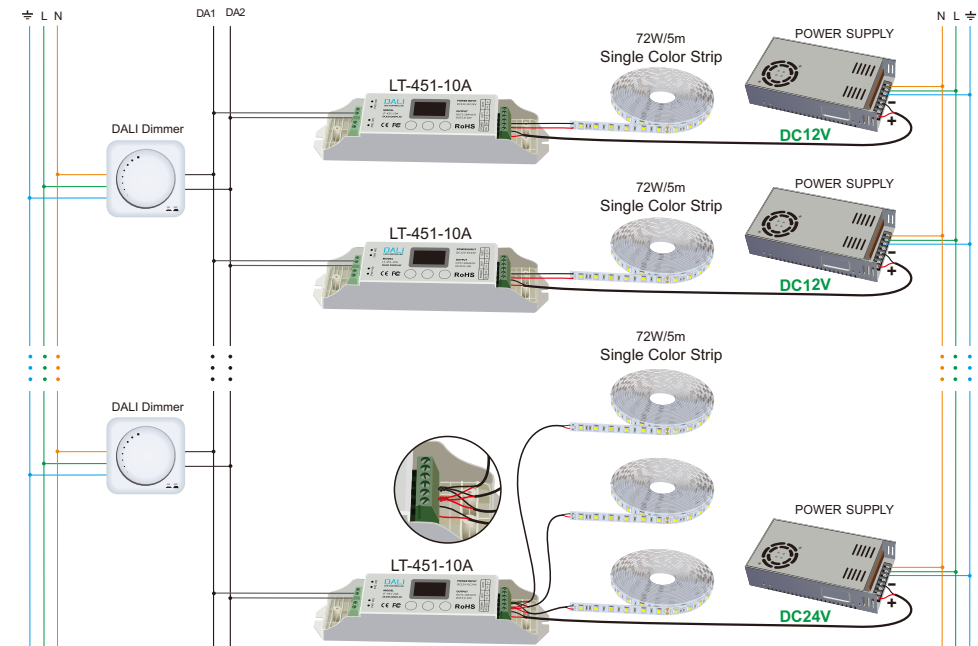
4. OLED Screen Interface Diagram:



Please refer to the OLED display for detailed information.

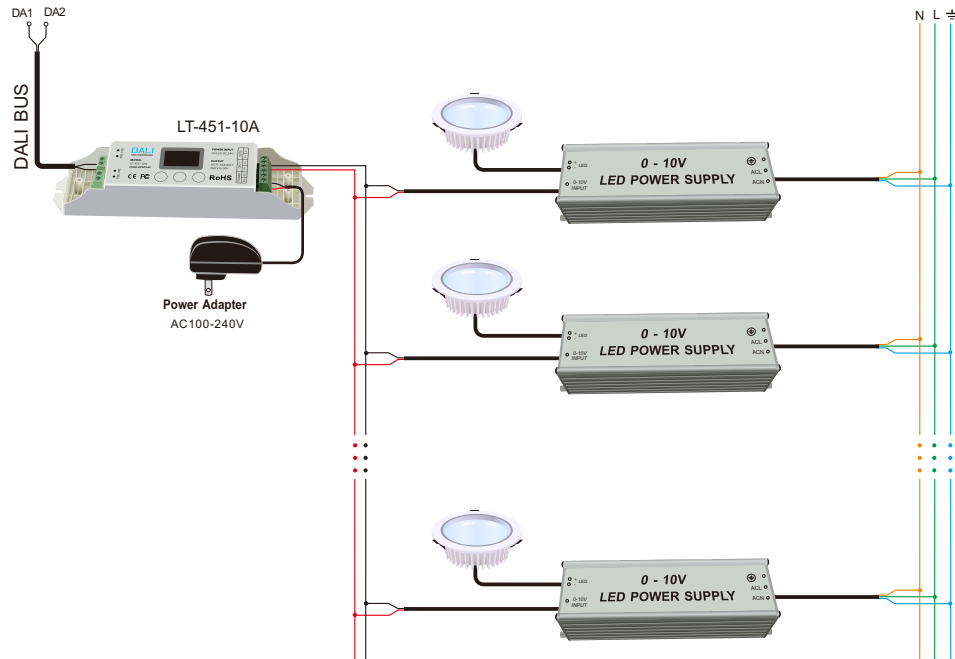
5. Conjunction Diagram:

1. 12V lamp connected, max load 120W(12V). 24V lamp connected, max load 240W(24V).

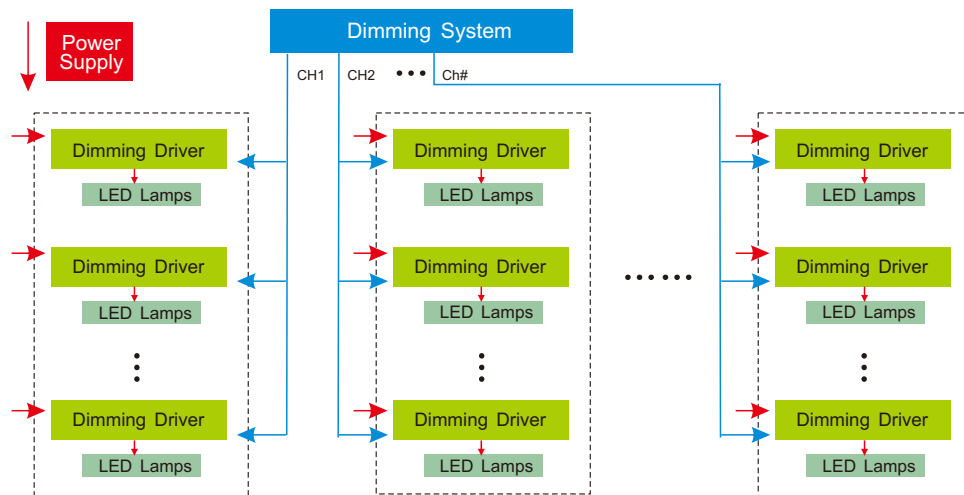


2

2. Provides DALI to 0-10V connect port, which is compatible to control 0-10V product in DALI control system. Diagram example as below:



- 3) System Connection Diagram:



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 5-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 5-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. We 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 our company only.
- ★This manual only applies to this model. We reserves the right to make changes without prior notice.