2 Channel 0/1-10V LED Dimming Driver

Model No.: LV2

0/1-10V CCT dimming/2 channel/PWM Constant voltage output/Logarithmic dimming

FC ☯ CE RoHS emc LVD

Features

● 2 channel 0/1-10V LED dimming driver, 2 channel PWM constant voltage output.

● For dual color control, the two 0/1-10V input can be set as warm white and cool white respectively, or one for brightness adjust and the other for color temperature adjust.

● 0~100% dimming range via logarithmic characteristic can be very comfortable for human eyes.

● Compatible with active or passive 0-10V, 1-10V dimmer, can solve the fluorescent lamp dimming system compatible with LED lighting.
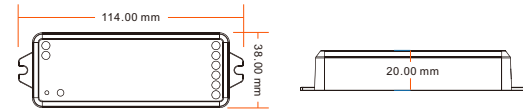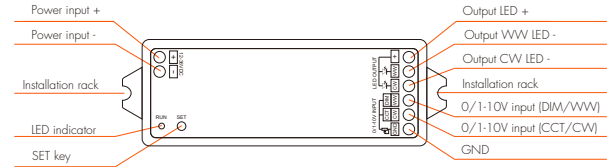
Technical Parameters

Input and Output

Input and Output	
Input voltage	12-36VDC
Input current	10.5A
Output voltage	12-36VDC
Output current	2CH,5A/CH
Output power	2 x (60-180)W
Output type	Constant voltage

Environment

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

Warranty and Protection

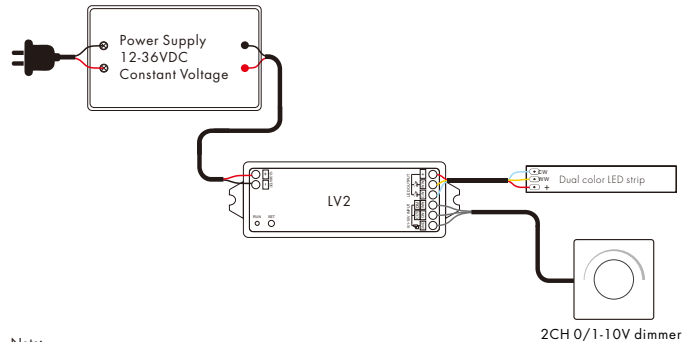| Warranty and Protection	
Warranty	5 years
Protection	Reverse Polarity

Safety and EMC

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Certification	CE,EMC,LVD

Dimming data

Dimming data	
Input signal	0/1-10V
Dimming range	0 -100%
Dimming curve	Logarithmic
PWM Frequency	2KHz

Mechanical Structures and Installations

Power input +
Power input -
Installation rack
LED indicator
SET key

Output LED +
Output WW LED -
Output CW LED -
Installation rack
0/1-10V input (DIM/WW)
0/1-10V input (CCT/CW)
GND

114.00 mm
38.00 mm
20.00 mm

Wiring Diagram

Power Supply
12-36VDC
Constant Voltage

LV2

Dual color LED strip

2CH 0/1-10V dimmer

Note:

● The 0/1-10V input is operable via commercially available simple rotary wall switchs designed for 0/1-10V dimming equipment or from dedicated system central dimming controllers.

● Compliant with 0-10V, 1-10V, 10V PWM, RX (4 in 1).

● We recommend the number of LED drivers connected to 0/1-10V dimmer does not exceed 50 pieces, The maximum length of the wires from dimmer to LED driver should be no more than 50 meters.

Key function

Press the "SET" key to switch two dimming mode.

● Set DIM+CCT dimming mode :

　Press and hold the "SET" key for 2s, the "RUN" indicator will flash once.

　Set DIM dimming input for brightness adjust, CCT dimming input for color temperature adjust (factory setting).
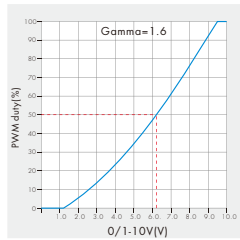
● Set WW+CW dimming mode:

　Press and hold the "SET" key for 5s, the "RUN" indicator will flash twice.

　Set WW dimming input for WW LED channel brightness adjust, CW dimming input for CW channel brightness adjust.

Dimming Curve

0/1-10V dimming

0/1-10V CCT