

O/1-10V RF + Push Dimmer

Model No.: L2

2 channel O/1-10V signal output/AC relay output/RF dimming/Push Dim



Features

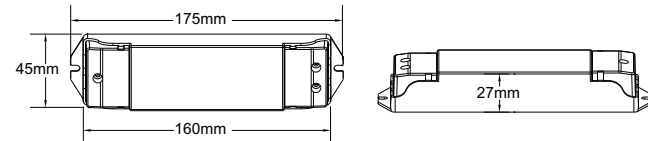
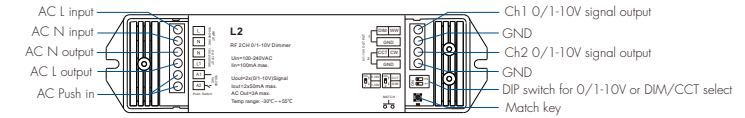
- RF + AC push O/1-10V dimmer, output 2 channel O/1-10V signal.
- High voltage AC input, High voltage AC relay output.
- Dimming or dual color control selectable by DIP switch.
- For dual color control, the two channel output can be set as warm white and cool white respectively, or one for brightness adjust and the other for color temperature adjust.
- O-10V or 1-10V output selectable by DIP switch.
- 256 levels O-100% dimming smoothly without any flash.
- Compatibility with RF 2.4G single zone or multiple zone remote control.
- Connect with external push switch to achieve on/off and O-100% dimming function.
- Light on/off fade time 3s selectable.

CE RoHS LVD

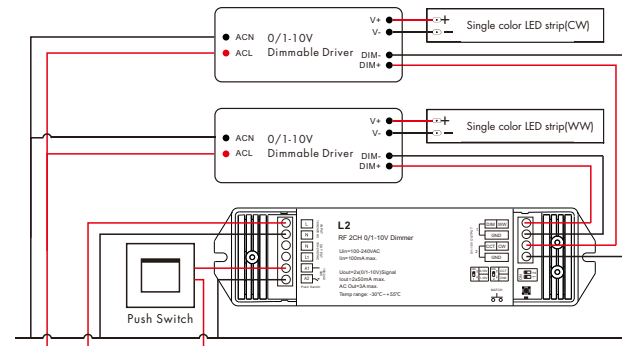
Technical Parameters

Input and Output		Dimming data	
Input voltage	AC100-240V	Input signal	RF + Push Dim
Output signal	2 x O/1-10V	RF Control distance	30m(Barrier-free space)
Output current	O/1-10V: 20mA/CH AC: Max 3A	Dimming level	256 levels
		Dimming range	0-100%
Safety and EMC		Environment	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4	Operation temperature	Ta: -30°C ~ +55°C
Safety standard(LVD)	EN 62368-1:2020+A11:2020	Case temperature (Max.)	Tc: +65°C
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2	IP rating	IP20
Certification	CE,EMC,IVD,RED	Warranty	
		Warranty	5 years

Mechanical Structures and Installations



Wiring diagram



- Note:**
1. We recommend the number of LED drivers connected to O/1-10V dimmer does not exceed 100 pieces, The maximum length of the wires from dimmer to LED driver should be no more than 50 meters.
 2. If total power of the O/1-10V dimming driver is less than 600W, we can use AC OUT port to cut off power input of the driver.
 3. When use AC OUT port, an additional AC relay or contactor is needed when total input current of the load is higher than 3A or inrush current is greater than 30A.

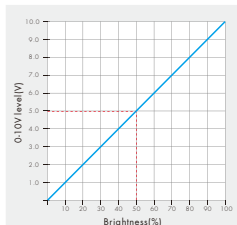
Push-Dim Function

- **Short press:** Turn on or off light.
- **Long press (1-6s):** Press and hold to step-less dimming.
With every other long press, the light level goes to the opposite direction.

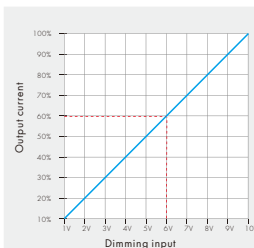
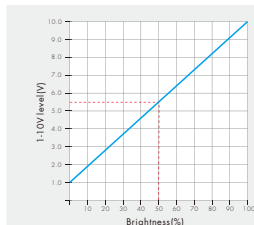
0-10V or 1-10V dimming setting

Select 0-10V dimmer or 1-10V dimmer according to dimmable LED driver.

0-10V Dimmer



1-10V Dimmer



Note:

When the output channel is off, the output dimming signal is 0V or 1V. Please read the dimming section of the dimming driver manual. If the dimming characteristic curve is the same as right, you must select 1-10V dimmer and use AC OUT function, otherwise you can't turn off the lights.

CCT dimming setting



Select the DIP Switch 2 ON to set as CCT light type firstly.
(When select the DIP Switch 2 OFF to set as DIM light type, Ch 1 and Ch2 output is same.)



When power is off, select the DIP switch 1 ON, then press hold the Match key, and power up the dimmer in the same time, the RUN LED indicator will flash two times, set as Ch1 for brightness adjust and Ch2 for color temperature adjust.



When power is off, select the DIP switch 1 OFF, then press hold the Match key, and power up the dimmer in the same time, the RUN LED indicator will flash two times, set as Ch1 for warm white dimming and Ch2 for cool white dimming respectively (factory setting).

Light on/off fade time

Long press Match key 5s, then short press match key 3 times, the light on/off time will be set to 3s, the indicator light blink 3 times.

Long press Match key 10s, restore factory default parameter, the light on/off time also restore to 0.5s.

Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the Match key

Match:

Short press Match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) on the remote.

Delete:

Press and hold Match key for 10s to delete all match, The light blinks 5 times means all matched remotes were deleted.

Use Power Restart

Match:

Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

Delete:

Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.