

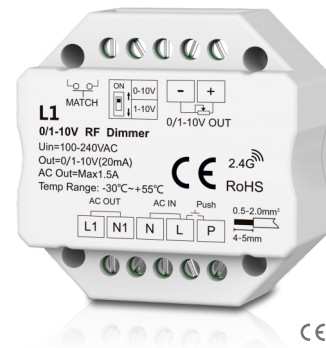
# 0/1-10V RF + Push Dimmer

## Model No.: L1

RF dimming/0-10V or 1-10V/AC relay output/AC Push-Dim/Wall junction box mounting

### Features

- 0/1-10V RF or AC push dimmer, 1 channel output.
- Output 1 channel 0/1-10V signal, connect with 0/1-10V dimmable driver.
- High voltage AC input, High voltage AC relay output.
- 0-10V or 1-10V output selectable by DIP switch.
- 256 levels 0-100% dimming smoothly without any flash.
- Compatibility with RF 2.4G single zone or multiple zone dimming remote control.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Light on/off fade time 3s selectable.
- Easy to be placed in standard wall junction box behind a push switch.

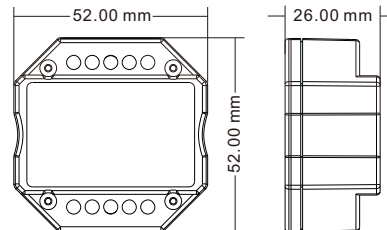
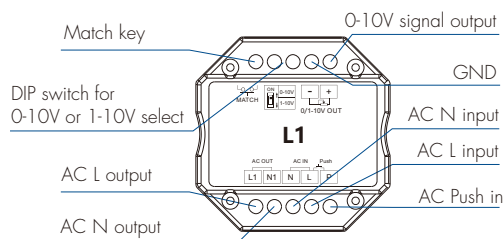


CE RoHS EMC LVD

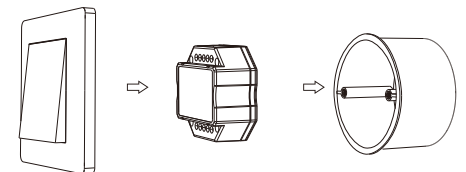
### Technical Parameters

Input and Output		Safety and EMC		Environment	
Input voltage	AC100-240V	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
Output signal	0-10V (20mA)	Safety standard(LVD)	EN 62368-1:2020+A11:2020	Case temperature (Max.)	Ta: +65°C
Output current	Max 1.5A (AC)	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2	IP rating	IP20
Dimming data		Warranty		Package	
Input signal	RF 2.4GHz + Push Dim	Warranty	5 years	Size	L60x W60 x H40mm
RF Control distance	30m(Barrier-free space)			Gross weight	0.060kg
Dimming range	0-100%				

### Mechanical Structures and Installations



### Typical Wall Junction Box Mounting



### Match Remote Control (two match ways)

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

#### Use the controller's Match key

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

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

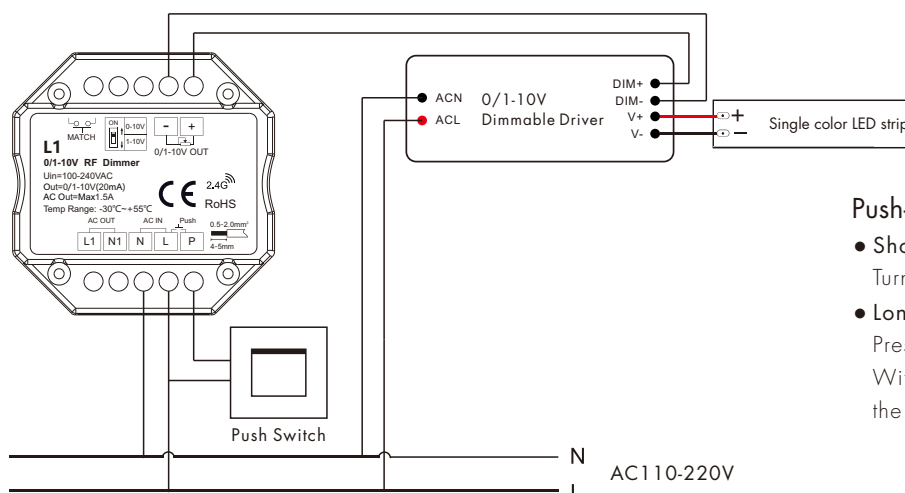
#### Use Power Restart

**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.

### Wiring diagram

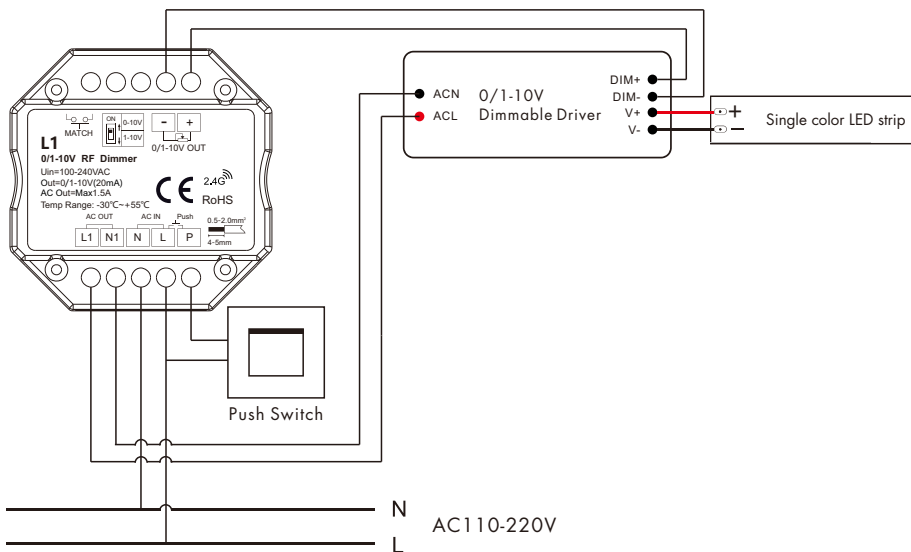
- Connect with 0/1-10V dimming driver (no use AC OUT)



### Push-Dim Function

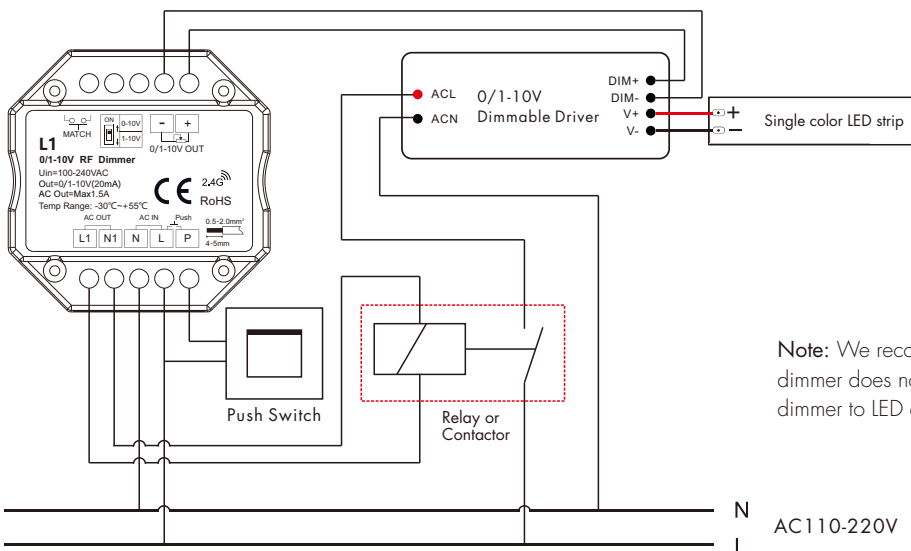
- **Short press:**  
Turn on or off light.
- **Long press (1-6s):**  
Press and hold to step-less dimming, With every other long press, the light level goes to the opposite direction.

- Connect with 0/1-10V dimming driver (use AC OUT)



- Connect with 0/1-10V dimming driver (use AC OUT and relay or contactor)

An additional AC relay or contactor is needed when total input current of the load is higher than 1.5A or inrush current is greater than 15A.



**Note:** 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.

### 0-10V or 1-10V dimming setting

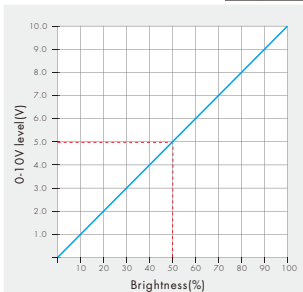
Select 0-10V dimmer or 1-10V dimmer according to dimmable LED driver.

### Light on/off fade time

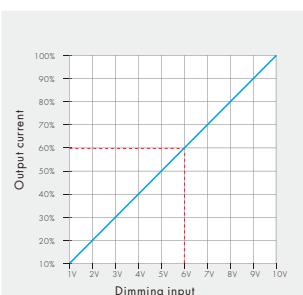
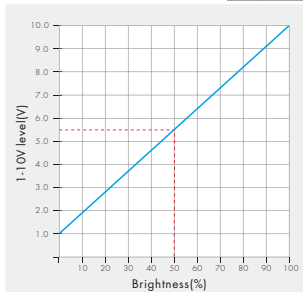
Long press match key 5s, then short press match key 3 times, the light on/off time will be set to 3s, the indicator light blink 3 times.

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

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 left, you must select 1-10V dimmer and use AC OUT function, otherwise you can't turn off the lights.

### Installation Precautions

1. The product shall not be installed close to the switching power supply with an interval of  $\geq 20\text{cm}$  to avoid the radiation interference of the switching power supply.
2. The installation height shall be  $\geq 1\text{m}$  from the floor to avoid shortening the remote control distance due to too weak reception signal.
3. The products are not allowed to be close to or covered by metal objects, with an interval of  $\geq 20\text{cm}$  to avoid signal attenuation and shorten the remote control distance.
4. Avoid installation at the corner of the wall or the corner of the beam, with an interval of  $\geq 20\text{cm}$  to avoid signal interference.