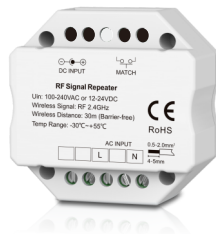# OPTONICA

RF Signal Repeater

SKU: 6382

AC or DC power input / Wall junction box mounting

Features

● Apply for wireless signal extension, greatly ensures RF communication stability and wide controlling area.

● Powered by AC100-240V or DC12-24V.

● Compatibility with RF 2.4G remote control.
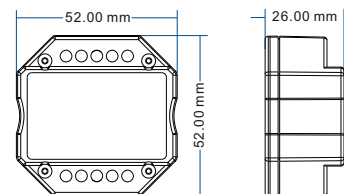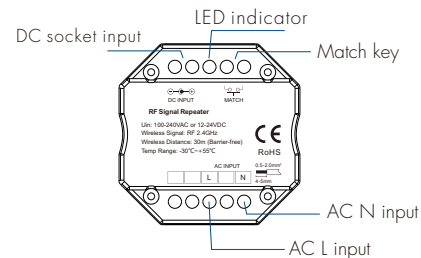
● Easy to be placed in standard wall junction box.

CE RoHS emc LVD

Technical Parameters

Input and Output

Input and Output	
Input voltage	AC100-240V DC12-24V
Power consumption	AC: <= 0.6W DC: <=0.4W
Input signal	RF 2.4GHz
Output signal	RF 2.4GHz
RF Control distance	30m

Environment

Environment	
Operation temperature	Ta:-30°C ~ +55°C
Case temperature (Max.)	Tc:+65°C
IP rating	IP20

Safety and EMC

Safety and EMC	
EMC standard (EMC)	EN 55015:2013 EN 61547:2009 EN 61000-3-2:2014 EN 61000-3-3:2013
Safety standard(LVD)	EN 61347-2-11:2002 EN 61347-1:2015 EN 62493:2015
Certification	CE,EMC,LVD

Warranty

Warranty	
Warranty	3 years

Mechanical Structures and Installations

Match Remote Control

If you want to extend the remote control signals, please match the remote control with the RF signal repeater firstly.

Match:

Short press match key, immediately press on/off key (single zone remote)
or zone key (multiple zone remote) of the remote.
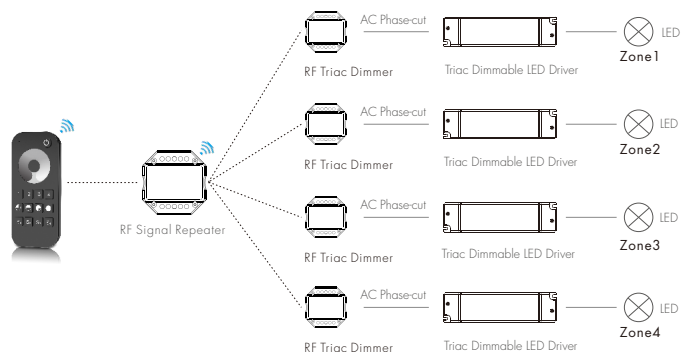The LED indicator fast flash a few times means match is successful.

Delete:

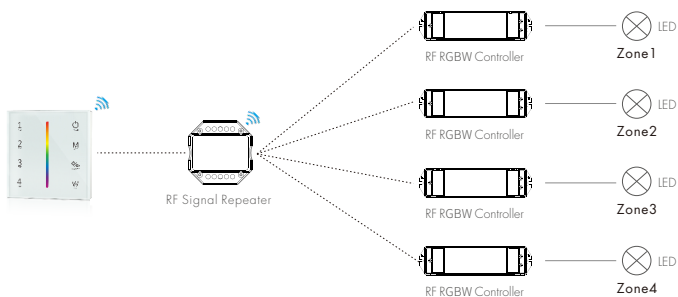Press and hold match key for 5s to delete all match,
The LED indicator fast flash a few times means all matched RF remotes were deleted.
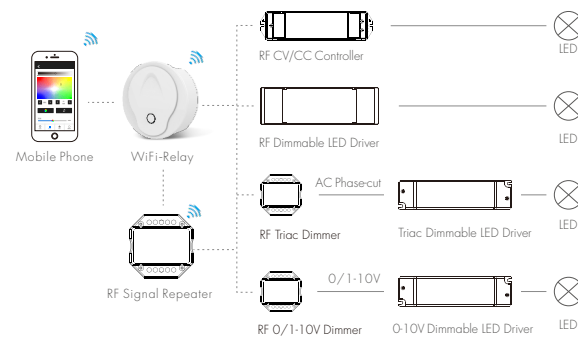
Application notes

1. RF remote & RF repeater application example.

AC Phase-cut

RF Triac Dimmer — Triac Dimmable LED Driver — LED Zone1

AC Phase-cut

RF Triac Dimmer — Triac Dimmable LED Driver — LED Zone2

RF Signal Repeater

AC Phase-cut

RF Triac Dimmer — Triac Dimmable LED Driver — LED Zone3

AC Phase-cut

RF Triac Dimmer — Triac Dimmable LED Driver — LED Zone4

2. RF remote panel & RF repeater application example.

RF RGBW Controller — LED Zone1

RF RGBW Controller — LED Zone2

RF Signal Repeater

RF RGBW Controller — LED Zone3

RF RGBW Controller — LED Zone4

3. WiFi-RF converter & RF repeater application example.

RF CV/CC Controller — LED

Mobile Phone   WiFi-Relay

RF Dimmable LED Driver — LED

AC Phase-cut

RF Triac Dimmer   Triac Dimmable LED Driver — LED

RF Signal Repeater

0/1-10V

RF 0/1-10V Dimmer   0-10V Dimmable LED Driver — LED

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