RF Smart AC Switch

Model No.: ACS15A

RF AC Switch / Push onoff / Relay output / Zero-crossing detection

Features

● RF + AC push smart switch, without dimming function.
● To switch single color LED lamps, traditional incandescent and halogen lights.
● Compatibility with RF 2.4G dimming remote control.
● Connect with external push switch optional.
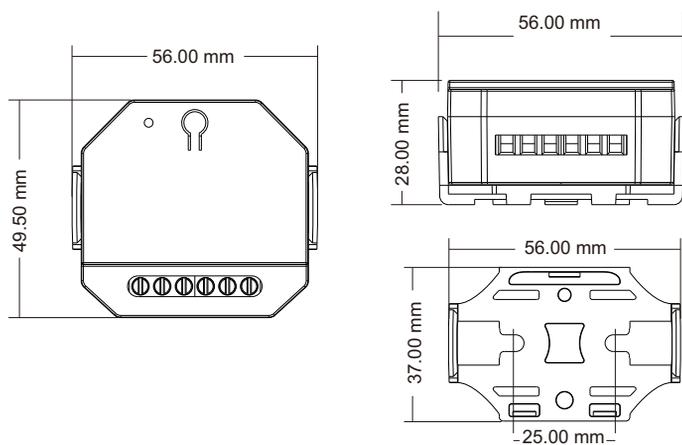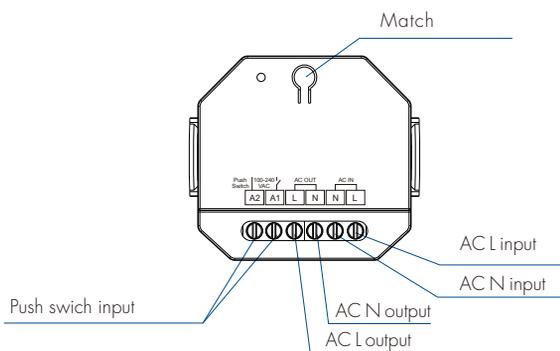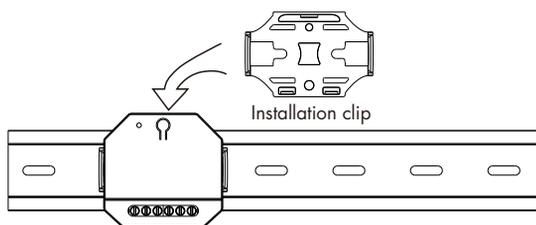● High-inrush specification relays (normally open).

CE RoHS emc RED

Technical Parameters

Input and Output	
Input voltage	AC100-240V
Output voltage	AC100-240V
Output current	15A (Resistive load) 10A (inductive load)
Output power	1500-3600W
Relay surge current	120A (20ms)
Input signal	RF 2.4GHz + Push switch
RF Control distance	30m (Barrier-free space)

Safety and EMC	
EMC standard(EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,RED
Warranty	
Warranty	2 years

Environment	
Operation temperature	Ta: -30 °C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20
Package	
Size	L60x W60 x H40mm
Gross weight	0.061kg

Mechanical Structures and Installations

Match

Push swich input
AC L input
AC N input
AC N output
AC L output

56.00 mm
49.50 mm

56.00 mm
28.00 mm

56.00 mm
37.00 mm
25.00 mm

Installation method

Installation clip

Note:
1. The installation must be installed or removed by a professional electrician.
2. Please keep the device out of the reach of children.
3. Please keep away from water, humid or hot environment.
4. The device should be kept away from strong signal sources (such as microwave ovens) to avoid signal interruption and cause the device not to work properly.
5. Avoid placing the device close to or near high-density materials (such as metal, concrete walls, etc.), which will reduce or block the wireless signal.

Match RF remote control

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)
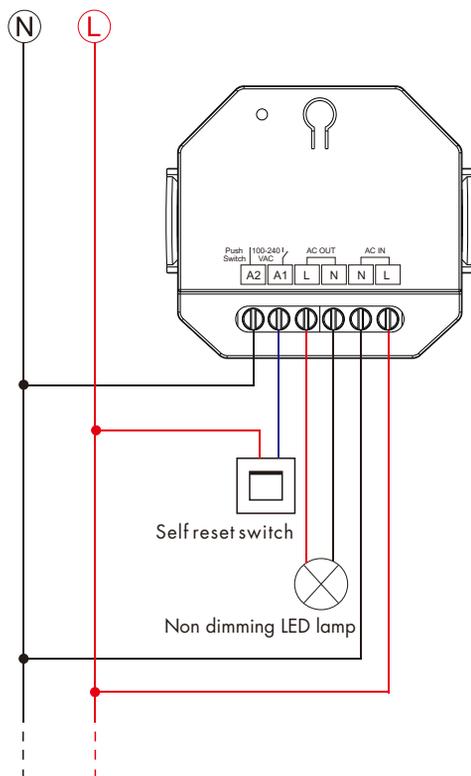or zone key (multiple zone remote) on the remote.

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.

Wiring diagram

Self reset switch:
Short press, turn on the light;
Short press again, turn off the light.

Push Switch | 100-240 VAC | AC OUT | AC IN
A2 | A1 | L | N | N | L

Self reset switch

Non dimming LED lamp

Note:
The MAX. surge current of the switch is 120A.
When connecting multiple capacitive (LED power supplies) or inductive loads,
the sum of the surge currents can not exceed its maximum value.
Otherwise, long-term use may cause product damage.

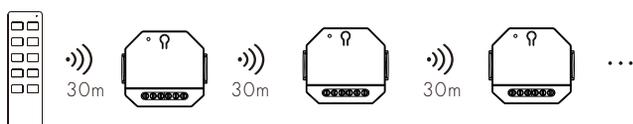## Available RF remote

OVL 4KL
4 zone remote

OVL 8KL
8 zone remote

OV HN2K
2 zone remote

Application Description

1.All receivers in the same area are controlled synchronously.

30m   30m   30m   . . .

RF remote

●Automatic transmission:
The receiver transmit the remote control signal to another receiver (within 30m), and when the remote control signalis not strong,
a signal amplifier can be used to extend the Wireless control distance.

●Automatic synchronization:
The same remote control can synchronously control multiple receivers within a distance of 30;
The receiver MAX. remote control distance is 30m, but strong signal sources such as reinforced concrete walls, metal materials, WiFi routers,
and microwaves will shorten the remote control distance;
For indoor applications, it is recommended that the receiver be placed no more than 15 meters away.

●It is recommended not to have too many receivers controlled by a remote control to avoid interference between remote control signals.

2.Each receiver (one or more) is located in a different area, such as Zone 1, 2, 3, or 4, with zone control.

1 Zone   2 Zone   3 Zone   4 Zone

30m   30m

RF remote