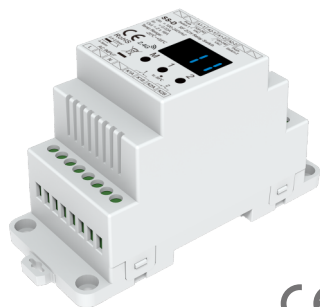


# SS-D

## RF 2 Channel Relay Switch

### Features

- RF 2 channel relay switch, dry contact relay output, with zero cross switching function.
- Supports three switch methods: RF 2.4G remote control, push switch and button.
- 1-channel or 2-channel output can be set up.
- High-inrush specification relay.
- Used to turn on/off single color LED lights, traditional incandescent and halogen lights.

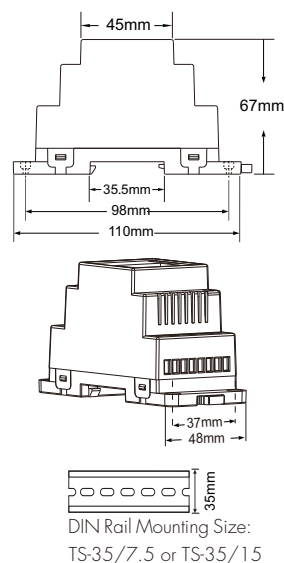
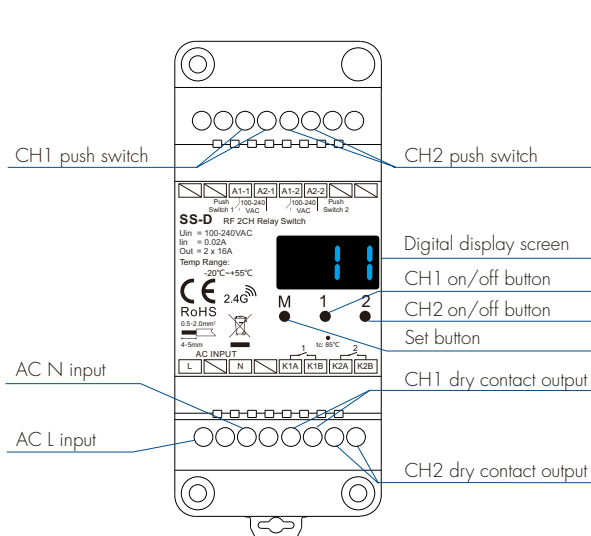


CE RoHS

### Technical Parameters

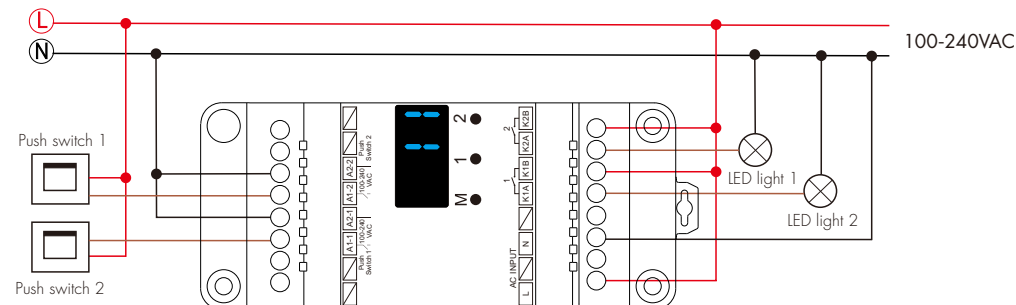
| Input and Output                  |                                                                                                                          | Environment                               | Safety and EMC  |                               |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------|-------------------------------|
| Input voltage                     | 100-240VAC                                                                                                               | Operation temperature Ta: -20°C ~ +55°C   | EMC standard    | EN IEC 55015/<br>EN IEC 61547 |
| Input current                     | 0.02A                                                                                                                    | Case temperature (Max.) Tc: 85°C          |                 |                               |
| Max relay load current            | 16A/CH resistive load (incandescent lamp)<br>8A/CH capacitive load (LED lamp)<br>8A/CH inductive load (fluorescent lamp) | IP rating IP20                            | Safety standard | EN 61347-1/-2<br>EN 62493     |
| Relay surge current               | 120A(20ms)                                                                                                               | Control distance 30m (Barrier-free space) | Radio equipment | ETSI EN 300 440               |
| Input signal                      | RF 2.4GHz + AC Push switch                                                                                               | <b>Package</b>                            | Certification   | CE RoHS                       |
| No-load standby power consumption | 0.5W@100VAC<br>1.5W@240VAC                                                                                               | Size 120 x 78 x 55mm (LxWxH)              | Warranty        | 5 years                       |
|                                   |                                                                                                                          | Gross weight 0.162kg                      |                 |                               |

### Mechanical Structures and Installations

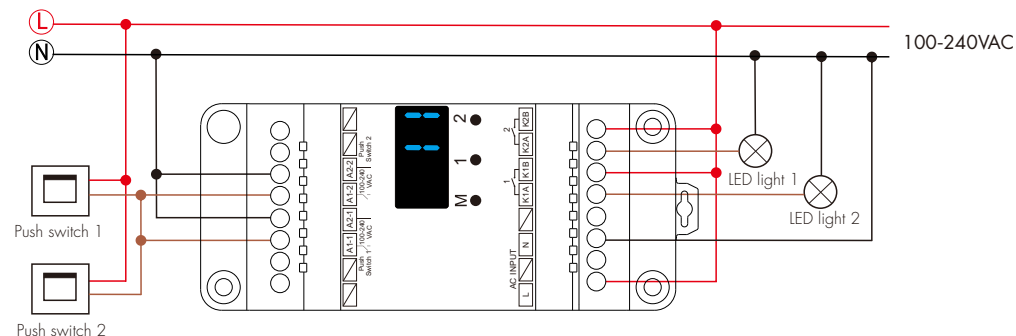


### Wiring Diagram

- AC push switch independent control: one AC push switch control one channel.



- AC push switch synchronous control: any one of the AC push switch control 2 channels.



⊗ : Non-dimmable LED light

### Parameter Setting

Long press the M key for 2s to enter the parameter setting mode.  
Short press the M key to switch between two parameters: the number of output channels and automatic black screen.

- Set the number of output channels

Short press button 1 to set 1 channel output mode, the digital display "C-1".  
Short press button 2 to set 2 channel output mode, the digital display "C-2".  
When set to the 1-channel output method, both channels switch synchronously.



1 channel output mode



2 channel output mode

- Set automatic black screen

Short press button 1 to turn on automatic black screen, digital display "bon".  
Short press button 2 to turn off automatic black screen, digital display "bof".



Turn on automatic black screen



Turn off automatic black screen

Long press the M button for 2s or do not operate for more than 10s to exit the parameter setting state.  
Long press the M and 2 button at the same time for 10s, the digital display "RES", restore factory setting.  
Factory default parameters: 2-channel output mode, auto black screen disabled, no RF remote control matched.

## Match RF Remote

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

### Use the Button

Match:  
Press and hold M and 2 button at the same time for 2s, the digital display "RLS", enter the remote control matching state. Immediately press on/off key (single zone remote) or zone key (multiple zone remote) on the remote, The digital tube displays "RLo", means match is successful.

Delete:  
Press and hold M and 2 button at the same time for 5s, the digital display "RLE", means all matched remotes were deleted.

### Use Power Restart

Match:  
Power on, power off, and then repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times fastly. The digital display "RLo", means match is successful.

Delete:  
Power on, power off, and then repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times fastly. The digital display "RLE", means all matched remotes were deleted.

## Switch Operation

You can use RF remote control, push switch, or button to switch lights.  
The second digit display "1" to indicate that channel 1 is on, and display "0" to indicate that channel 1 is off.  
The third digit display "1" to indicate that channel 2 is on, and displays "0" to indicates that channel 2 is off.

### 1. Use the RF remote

After match with a single or multi-zone RF remote control, use on/off key of the remote to turn channel 1 and 2 on or off.  
Note that when there is two-channel output, please select the two-zone switch remote control for matching.

### 2. Use AC push switch

Short press the push switch 1 to turn channel 1 on or off.  
Short press the push switch 2 to turn channel 2 on or off.

### 3. Use button

Short press 1 button to turn channel 1 on or off.  
Short press 2 button to turn channel 2 on or off.



Channel 1 on  
Channel 2 on



Channel 1 on  
Channel 2 off



Channel 1 off  
Channel 2 on



Channel 1 off  
Channel 2 off