EVVR

In-Wall Relay Switch
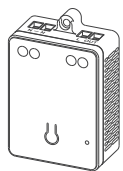
Smart Relay (Z-Wave)
Instruction Manual

*Please see separate Evvr Smart Switch Sub-Assembly manual for complete instructions.

Complete Accessories Include
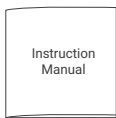

Smart Relay ×1

Double Sided Foam Pad ×1
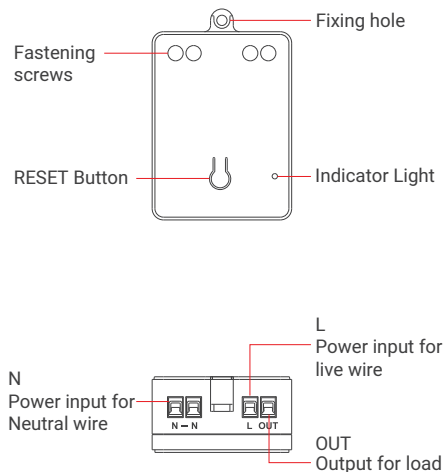
Fixing Screw ×1

Instruction Manual

Instruction Manual ×1

Device Identification QR Code (Z-Wave)

Product Introduction

Smart Relay can be operated in Z-Wave network and may be used in different loads, including incandescent lamps, halogen lamps, LED lamps and fluorescent lamps. It is small in size and may be installed in the box of light fixtures. This device is compatible with standard Z-Wave gateway or devices for remote control and inter-operation.

Technical Specifications	
Model	SRZW01
Input Voltage	AC 85V~245V
Max. Load Power	AC 110V/300W AC 220V/600W
Min. Load Power	No limit
Type of Load	Lighting
Operating Temperature	0~40°C (32°~104°F)
Operating Humidity	5~85% RH
RF Characteristics	Operating frequency: 865.2MHz to 926.3MHz Range: max. 80m in Open space
Product Size (L*W*H)	2.34in. x 1.55in. x 0.83in. (59.4mm * 39.3mm * 21.2mm)

Fixing hole
Fastening screws
RESET Button
Indicator Light

N
Power input for Neutral wire

L
Power input for live wire

OUT
Output for load

Installation Instructions

Caution: Read this manual before attempting to install the device! Using this product in a manner other than intended voids your warranty. Further, Evvr ApS is NOT liable for any damage incurred with the misuse of this product.

Caution: All installations of this device should be performed by a qualified or licensed electrician!

Caution: Product must be installed on a 10A line.

Caution: Metal casings, mirrors, electrical appliances, etc., may affect, reduce, or interfere with wireless communication.

Warning: Turn OFF electrical power from the breaker box or electrical service panel before installing or servicing this product. Improper use or installation can cause SERIOUS INJURY, DEATH, or LOSS/DAMAGE OF PROPERTY.
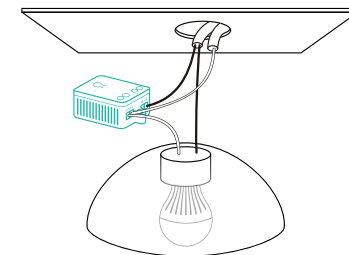
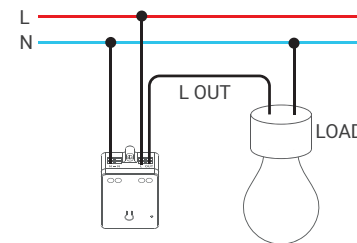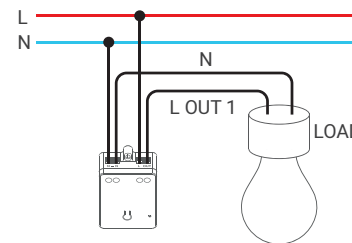**Caution:** Use this product in an indoor environment.

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1 Connect wires per wiring diagram as follows

Caution: If you have purchased a **Smart Switch Sub-Assembly** to use with it, please follow the installation instructions on the **Smart Switch Sub-Assembly** manual.

With **Smart Relay**, you can turn a traditional lamp into a Z-Wave smart lamp. It is recommended to install **Smart Relay** near the lamp.

You can choose one of the two diagrams below to connect the wires according to your installation environment.
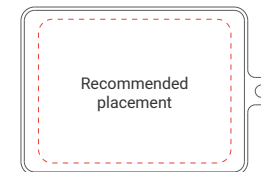

NOTES FOR THE DIAGRAM:
N - neutral wire   L - live wire   L OUT - output live wire

2 Fix Smart Relay on a flat, cleaned surface

Recommended placement

Stick the foam pad at the recommended position on the **Smart Relay** and then place the relay on a flat, cleaned surface.

Turn ON electrical power and check if the wires are connected correctly. If they are correct, the indicator light will be on when the load light, the light(s) connected to the switch, is on.

Important: The **In-Wall Relay Switch** can be controlled from a mobile phone when used with a Z-Wave gateway.

SmartStart Inclusion

Smart Relay can be added into a Z-Wave network by scanning the Z-Wave QR code.
Note: The QR code can be found on the Smart Relay or in the manual.
Note: If your controller does not support SmartStart inclusion, please proceed inclusion manually.

Add the **Smart Relay** into the controller by scanning the Z-Wave QR code.

The **Smart Relay** will start SmartStart inclusion by power cycle or turn on the light through **Smart Switch Sub-Assembly**.

If the **Smart Relay** is successfully paired, the indicator will show **BLUE** when the load light is on.

Note: After scanning the QR code and powering up near the network, the Smart Relay will be automatically added within 10 minutes if no action is taken.

Manually Inclusion/Exclusion

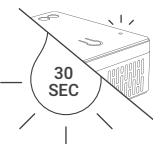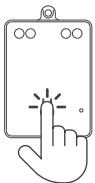1. Follow the instructions for your Z-Wave certified controller to add/remove a device to the Z-Wave network.

Set Z-Wave controller into adding device mode

Set Z-Wave controller into removeing device mode

2. Set **Smart Relay** into inclusion/exclusion mode

Note: The device may require a Device Security Key (DSK) during the inclusion process, which can be found on the **Smart Relay** or in the manual.
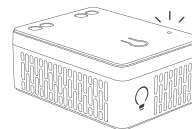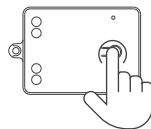

Set the **Smart Relay** into inclusion/exclusion mode by short press the **RESET** button.

The load light must be on, at the same time the indicator light will slowly flash **BLUE**, wait until inclusion/exclusion is successful or until **30** seconds timeout.

If the **Smart Relay** is successfully inclusion/exclusion, the indicator will show **BLUE/RED** when the load light is on.
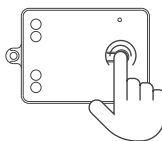
Restore Smart Relay to factory settings

Press and hold the **RESET** button for more than **5** seconds.

If the **Smart Relay** is successfully restored to factory settings, the indicator will show **RED** when the load light is on.

Type of Connected Switch   Double-click the reset button to switch between the three switching modes.

Switch	Indicator
toggle switch (device changes status when switch changes status)	the indicator will blink purple once
toggle switch (contact closed - ON, contact opened - OFF)	the indicator will blink purple twice
momentary switch	the indicator will blink purple three times

Q1	**Smart Relay pairing failed.**

- The device may be too far from the gateway/controller or Always On Slave, or there may be interference in the current network environment. Add Always On Slave or bring devices closer to the gateway/controller.
- The device is already joined to another gateway. Please restore the device to its factory default.

Q2	**Cannot be controlled by gateway/controller or other Z-Wave devices.**

The device may be installed in an unreasonable location, too far from the gateway or Always On Slave, or there may be signal interference. Please check whether there is strong electromagnetic field equipment near the wireless switch and check whether the equipment is installed in a closed metal housing or in a closed concrete wall. Add Always On Slave or bring devices closer to the gateway/controller.

Q3	**The light turns off automatically after a short period of time (approximately 150 seconds).**

The power of the light may exceed the maximum power (AC 110V/ 300W, AC 220V/600W). Please check whether the power of the light exceeds the maximum power.

Q4	**In case of power loss while the lights were on, the light status is on when power is restored?**

Yes. The device will record the status of the light, and after the device is powered off, re-powering will restore the state before the device was powered off.

FCC ID: 2A68U-SRZW01

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Consult the dealer or an experienced technician for help.

Important Announcement Important Note Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

For warranty information, please visit
https://www.evvr.io/warranty

Please contact us for any technical issue
support@evvr.io

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