

HSW-120Z

Z-Wave Dual Embedded Switch Module



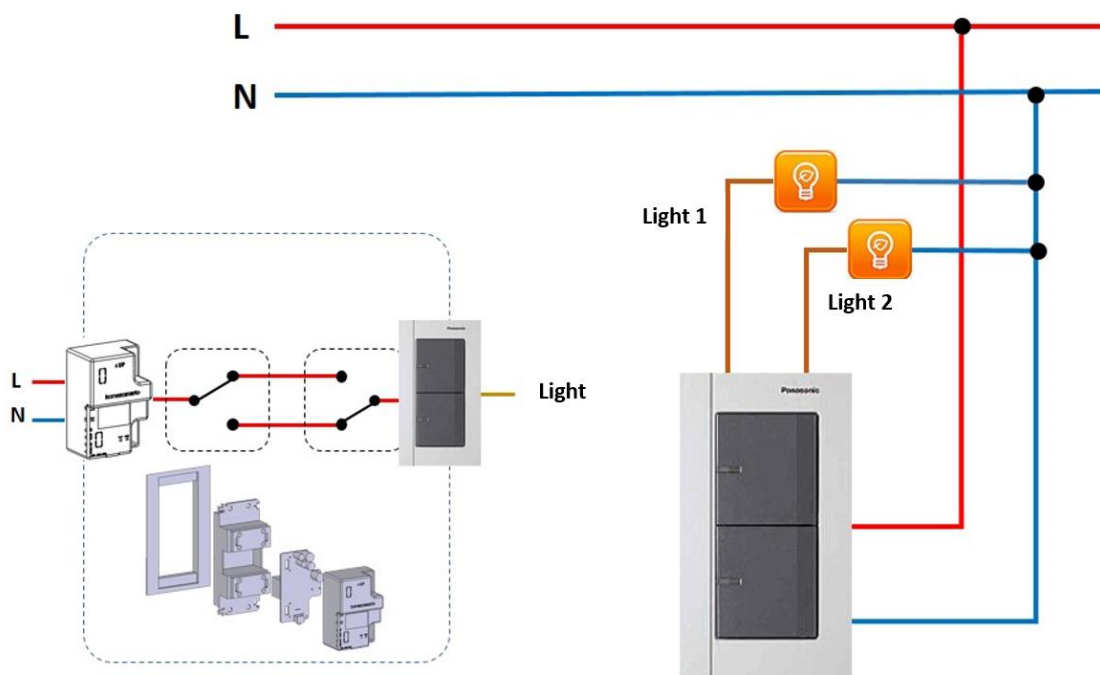
Product Description

The HSW-120Z is a Z-Wave enabled device which can easily plug into Panasonic double 3-way switch panel (e.g. DecoLite, CosmoArt, Glatima) and fit in normal US-type 1-gang in-wall box. With the HSW-120Z, while keeping the original switch panel features, you can wirelessly control the on/off status of two appliances and always be get updated on/off status, from anywhere through the internet.

Installation & Wiring

The interfaces and wiring diagram of the HSW-120Z are listed below:

- N Neutral
- L Live in
- LS1 Light 1
- LS2 Light 2



Important!

1. *The HSW can only work with Panasonic DecoLite, CosmoArt, Glatima series of double 3-way switch panel;*
2. *DO NOT install the HSW-120Z facing direct sunlight, humid or dusty place;*
3. *The suitable ambient temperature for the HSW-120Z is 0°C~40°C;*
4. *Do not locate the HSW-120Z where exists combustible substances or any source of heat, e.g. fires, radiators, boiler etc.;*
5. *After putting it into use, the surface of the HSW-120Z will become a little bit warm, which is normal;*
6. *DO NOT connect to appliance which is over HSW-120Z max power rating.*

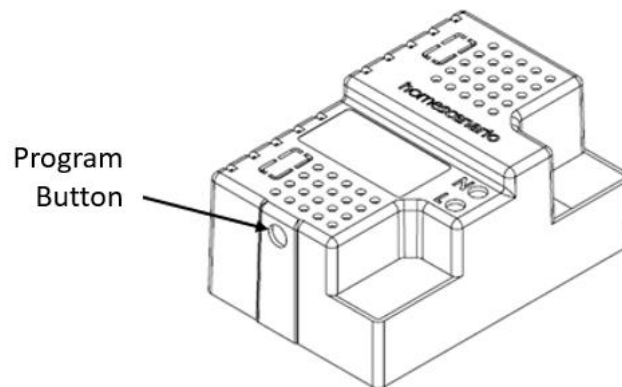
Z-Wave Network Instructions

The HSW-120Z needs to be paired (included) into a Z-Wave network before it can receive Z-Wave commands to switch on/off and report its status. The HSW-120Z can only communicate to devices within the associated Z-Wave network.

Note: *The LED on the HSW-120Z will blink slowly if it is currently not included in any Z-Wave network.*

Multi-Channel Switch

The HSW-120Z supports 2-relay and therefore is a multi-channel switch module, which requires Z-Wave controller to assign specific channel to control. You can use Program Button (see below picture) on HSC-120Z to configure with the control gateway.



Inclusion/Exclusion/Association

The table below lists the HSW-120Z setup process vs. HBC-100 control gateway as the example:

Function	Description
Inclusion	<ol style="list-style-type: none"> 1. Select [Learn] from Control UI page of the HBC-100; 2. Press HSW-120Z program button 3 times in 1.5s; 3. HBC-100 UI web UI will pop-up a window for channel selection; 4. Enter target room and select target light control button; 5. Inclusion & association complete.
Exclusion	<ol style="list-style-type: none"> 1. Switch to [Setup/Device] UI page of the HBC-100. 2. Select [Exclude Device] for exclusion; 3. Press HSW-120Z program button 3 times in 1.5s; 4. Association completes.

Notes:

If the HSW-120Z is not successfully included into any Z-Wave network, the LED will be blinking. If the HSW-120Z is successfully included to a Z-Wave network, the LED will stop blinking;

Operation

Operation Type	LED Indication
Z-Wave	User can use portable controller, web UI, iPhone/Android App, or HomeScenario touch panel to turn on/off lights
Panasonic Switch Panel	User can also switch the light on/off via Panasonic panel. In case the HSW-120Z is broken, the Panasonic panel still works

Troubleshooting

Symptom	Possible Cause of Failure	Recommendation
The HSW-120Z not working and LED off	1. The HSW-120Z is not wired properly; 2. The HSW-120Z is broken	1. Check power wirings; 2. Don't open up the HSW-120Z and send it for repair.
The HSW-120Z LED illuminating, but cannot control the load attached	Check if the load connected in the HSW-120Z has its manual ON/OFF switch	Set the ON/OFF switch of the appliance to ON
The HSW-120Z LED illuminating, but the controller cannot control the HSW-120Z	1. Association not done 2. Same frequency interference	1. Carry out association 2. Wait for a while to re-try
LED keeps flashing, but cannot control	Overload occurs	Remove the load appliance or check its max. load

Specification

Operating Voltage	100-230V / 50-60Hz
Maximum Load	10A resistive (each load)
Range	Minimum 20 m indoor line of sight
Operating Temperature	0°C ~ 40°C
Frequency Range	868.40~930MHz
Dimensions	73x49x34mm

** Specifications are subject to change and improvement without notice.



Limited Warranty:

HomeScenario warrants to the original purchaser of Products that for the Warranty Period (as defined below), the Products will be free from material defects in materials and workmanship. The foregoing warranty is subject to the proper installation, operation and maintenance of the Products in accordance with installation instructions and the operating manual supplied to Customer. Warranty claims must be made by Customer in writing within thirty (30) days of the manifestation of a problem. HomeScenario's sole obligation under the foregoing warranty is, at HomeScenario's option, to repair, replace or correct any such defect that was present at the time of delivery, or to remove the Products and to refund the purchase price to Customer. The "Warranty Period" begins on the date the Products is delivered and continues for 12 months. Any repairs under this warranty must be conducted by an authorized HomeScenario service representative and under HomeScenario's RMA policy. Any repairs conducted by unauthorized persons shall void this warranty.

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FCC NOTICE (for USA):

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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. 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:
 2. Reorient or relocate the receiving antenna.
 3. Increase the separation between the equipment and receiver.
 4. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 5. Consult the dealer or an experienced radio/TV technician for help.

Warning:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available.