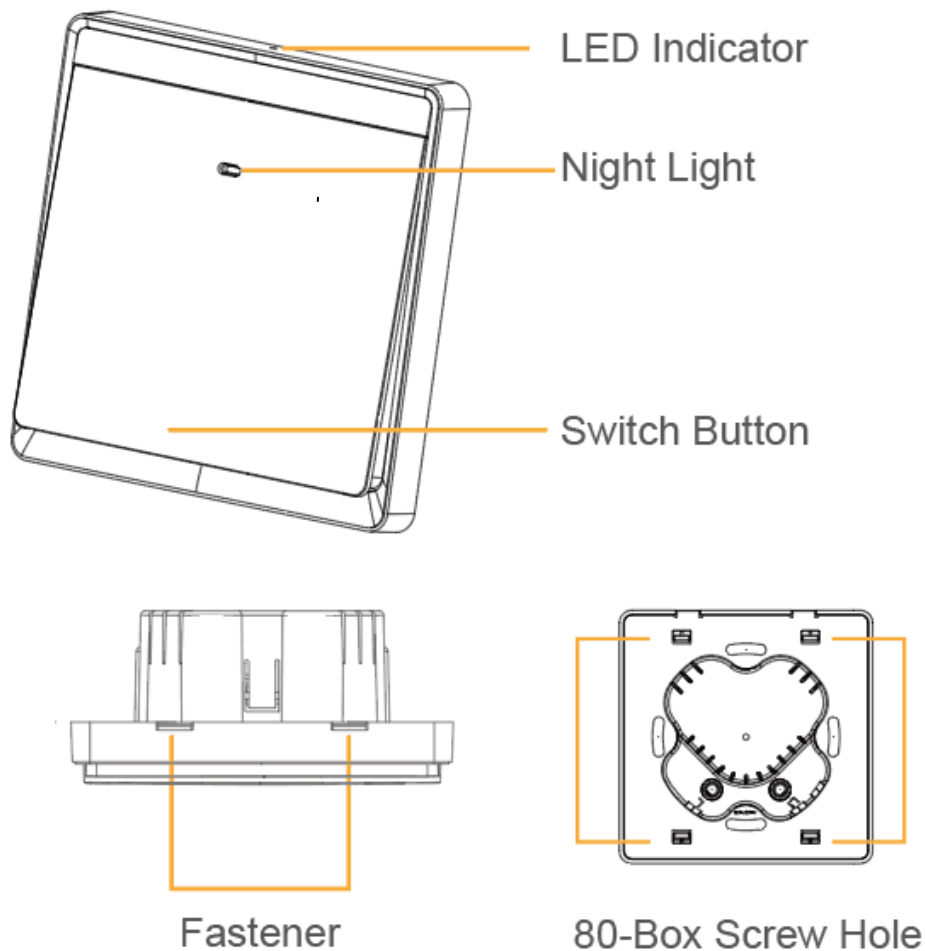


HS2SW1A-Z(Smart Switch)

Z-Wave Device
Guide Document



1-Product description

- Smart Switch supports OTA function and S2 encryption function.
 - Product is S2 Unauthenticated devices.
 - This device is a security enable Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communicate to other security enable Z-Wave Plus products.
- Note: A "Security Enable Z-Wave Controller" must be used in order to fully utilize this function.

Indicator status description

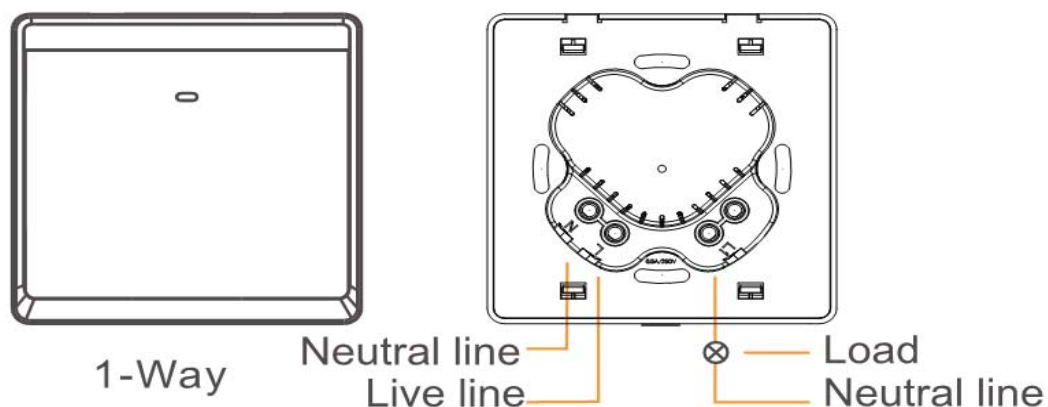
LED Status	Swtich Status
Red LED keeps On	Offline
Red LED flashes(twice/second)	Overheat protection status (break to nomal when temperature goes below 70℃)
Blue LED flashes (4times /second)	Waiting to add into gateway (waitiing time is about 30 seconds)

Blue LED keeps on for 2 seconds	Device will reset to factory default
Blue LED flashes (twice/second)	Switch is removed from gateway successfully

2-Installation steps and wiring Illustration

- 1)Before install the switch ,make sure all power supply is cut off.
- 2)According to the wiring illustration ,connect light controlling wire, live line and neutral line to L1(L2), L and N correspondingly.
- 3)Open the switch top cover ,insert the switch into 80 box,tighten eht screws,and cover the top cover back

Lining Illustration of 1-way Switch



3-Device ADD for Inclusion

- Click [Add] icon in Z-Wave Controller.
- Press the Switch Button 4 times within 1.5s, Blue LED is Blinking 3 times within 1 .5second.
- If add Process is successful, Blue LED will turn off.

4-Device Remove for Exclusion

- Click [Remove] icon in Z-Wave Controller.
- Press the Switch Button 4 times within 1.5second.
- If remove Process is successful, Blue LED is Blinking 6 times, then turn off.

5-Device Factory Reset

- Long press Switch Button at least 10 seconds in the product.
 - Device Reset Locally notification is transmitted and Blue LED goes out after two seconds
- Please use this procedure only when the network primary controller is missing or otherwise inoperable.

6-Association & Association Group Information

- Lifeline between controller and HS2SW1A-Z
 - Supported command classes
- Device Reset Locally and Switch Binary report.

- Maximum supported node is 5

- Association Group description

Association group 1: Lifeline association group

Include command classes: Switch Binary report and Device Reset Locally notification.

7-Binary Switch Report

- Gateway can set device turn on and shutdown
- Press Switch Button, Switch Report is transmitted
- Binary Switch Report is 0xff to turn on
- Binary Switch Report is set to 0x00 to shutdown

Switch Type	Value	Status
Binary Switch Report	0x00	OFF
	0xFF	ON

8-Devices from multiple manufacturers in one network

- This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applicants. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

9-Z-Wave Specifications

9.1-Device Type : [On/Off Power Switch](#)

9.2-Role Type : AOS (Always on slave)

9.3-Command Class Support/Control

9.3.1-Z-Wave plus InfoVersion 2

9.3.2-Switch Binary Version 1

9.3.3-Association Version 2

[9.3.4- Multi Channel Association Version 3](#)

9.3.5-Association Group Info Version 1

9.3.6-Transport Service Version 2

9.3.7-Version Version 3

9.3.8-Manufacturer Specific Version 2

9.3.9-Device Reset Locally Version 1

9.3.10-Powerlevel Version 1

9.3.11-Security Version 1

9.3.12-Security 2 Version 1

9.3.13-Supervision Version 1

9.3.14-Firmware Update Md Version 4

9.4-The below listed Command Class are all Supported the Security S2

9.4.1-Switch Binary Version 1

9.4.2-Association Version 2

[9.4.3Multi Channel Association Version 3](#)

9.4.4-Association Group Info Version 1

9.4.5-Version Version 3

9.4.6-Manufacturer Specific Version 2

9.4.7-Device Reset Locally Version 1

9.4.8-Powerlevel Version 1

9.4.9-Firmware Update Md Version 4

10-Basic Command Class desription

-Support command class version is 2 .

- Gateway can set device turn on and shutdown
- Press Switch Button, Switch Report is transmitted
- Binary Switch Report is 0xff to turn on
- Binary Switch Report is set to 0x00 to shutdown

Basic Type	Value	Status
Basic Set	0x00	OFF
	0xFF	ON

11-Technical Specifications

Model No.	HS2SW1A-Z
RF frequency	868.40- 869.85 MHz
RF operating distance	Up to 100m outdoor line of sight Up to 40m indoor
Working voltage	AC 100V~240V 50/60Hz
Loading capacity	800W(max)
Temperature	-10℃~60℃
Humidity	80% max
Weight	150g