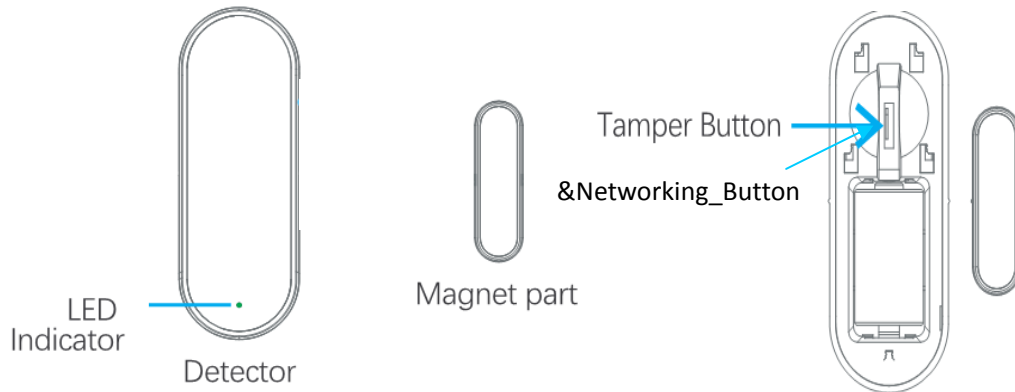


# HS3DS-Z

## Z-Wave Device Guide Document



### Product description

-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.

### 1-Device ADD for Inclusion

- Click [Add] icon in Z-Wave Controller .
- Press the Networking\_Button 3 times within 1.5s, Green LED is Blinking 4 times within 1 second.
- If Inclusion Process is successful, Green led will turn off.

### 2-Device Remove for Exclusion

- Click [Remove] icon in Z-Wave Controller
- Press the Networking\_Button 3 times within 1.5s
- If Exclusion Process is successful, Green led is Blinking 6 times, then turn off.

### 3-Open door/Close door

if Inclusion process is successful, the Device will be able to detect open status and close status after press Function\_Button. Red LED blinks once when door is opened or closed.

Detect status

### 3.1-tamper device

If Inclusion process is successful, the Tamper Button will be able to detect tampering status and cancel tampering status. Red LED blinks once when Function\_Button is pressed or released..

#### 4-Device Factory Reset

Long press Networking\_Button while installing batteries in the Device

- Device Reset Locally notification is Transmitted
- Green LED Turns off after 2 seconds.

Please use this procedure only when the network primary controller is missing or otherwise inoperable.

#### 5-Association & Association Group Information

- Lifeline between controller and slave device
- Supported command classes

Battery report, Notification report, and Device Reset Locally notification.

- Association Group description

▶Association group 1: Lifeline association group

- Maximum supported node is 5.

Include command classes: Battery report, Notification report, and Device Reset Locally notification,

▶Association group 2: Root Device group(Basic set)

- Maximum supported node is 5.

The Sensor sends a Basic Set command to directly trigger devices (like a light, switch, etc.) in response to events. The value of the Basic Set command (e.g. Siren trigger) is configured using door open or close.

This parameter sets the value sent by the BASIC_SET command to Association Group for door open event		
BASIC_SET Level	0xFF	Turn On Device
This parameter sets the value sent by the BASIC_SET command to Association Group for door close event		
BASIC_SET Level	0x00	Turn Off Device

#### 6-Notification Report

- When Door Open/Close is occurred,
- Notification Report is transmitted

Notification Type	Event
Home Security (0x07)	Tamper Events cleared ( 0x00)
	Tampering, Product covering removed (0x03)
Access Control ( 0x06)	Window/Door is open ( 0x16 )
	Window/Door is closed ( 0x17 )

#### 7-Battery Report

- Battery Report is transmitted when the power is turned on
- Battery Report is transmitted once a day
- Battery Report is transmitted when a battery falls less than 0%
- 

Battery Voltage	Battery Level
2.4V ~ 3.0V	0 ~ 100 (%)
Under 2.4V	0xFF

### **8-Wake up Notification**

- Wake up Notification is transmitted every 300s by default.
- Wake up Notification is transmitted after Notification Report is Transmitted

### **9-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 applications. 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 : Sensor - Notification

9.2-Role Type : RSS (Reporting Sleeping Slave)

#### **9.3-Command Class Support/Control**

9.3.1-Z-Wave plus Info Version 2

9.3.2-Notification Version 8

9.3.3-Association Version 2

9.3.4-Association Group Info Version 1

9.3.5-Transport Service Version 2

9.3.6-Version Version 3

9.3.7-Manufacturer Specific Version 2

9.3.8-Device Reset Locally Version 1

9.3.9-Powerlevel Version 1

9.3.10-Battery Version 1

9.3.11-Security 2 Version 1

9.3.12-Supervision Version 1

9.3.13-Wake Up Version 2

9.3.14-Multi Channel Association Version 3

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

9.4.1-Notification Version 8

9.4.2-Association Version 2

9.4.3-Association Group Info Version 1

9.4.4-Version Version 3

9.4.5-Manufacturer Specific Version 2

9.4.6-Device Reset Locally Version 1

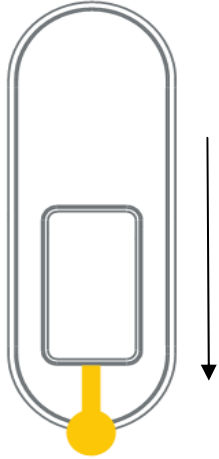
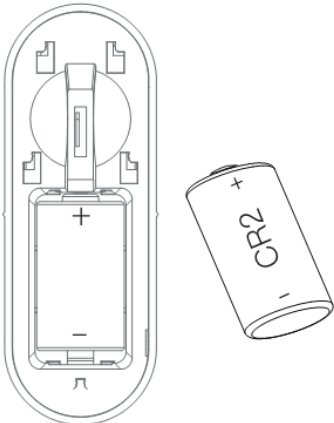
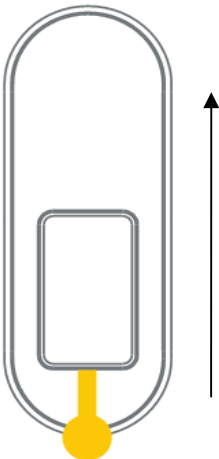
9.4.7-Powerlevel Version 1

9.4.8-Battery Version 1

9.4.9-Wake Up Version 2

9.4.10-Multi Channel Association Version 3

### How to replace the batteries

	<p><b>Open the covers of the product</b></p>
	<p><b>Insert the batteries on the product ( You must be careful of the battery polarity)</b></p>
	<p><b>Close the covers of the product</b></p>

**Technical Specifications**

<b>Model No.</b>	<b>HS3DS-Z</b>
<b>RF frequency</b>	<b>868.40- 869.85 MHz</b>
<b>RF operating distance</b>	<b>Up to 100m outdoor line of sight Up to 40m indoor</b>
<b>Powered by</b>	<b>CR2 x 1EA, lithium batteries</b>
<b>Temperature</b>	<b>-10°C ~ 50°C</b>
<b>Humidity</b>	<b>95% max</b>
<b>Weight</b>	<b>42.6g (without batteries)</b>