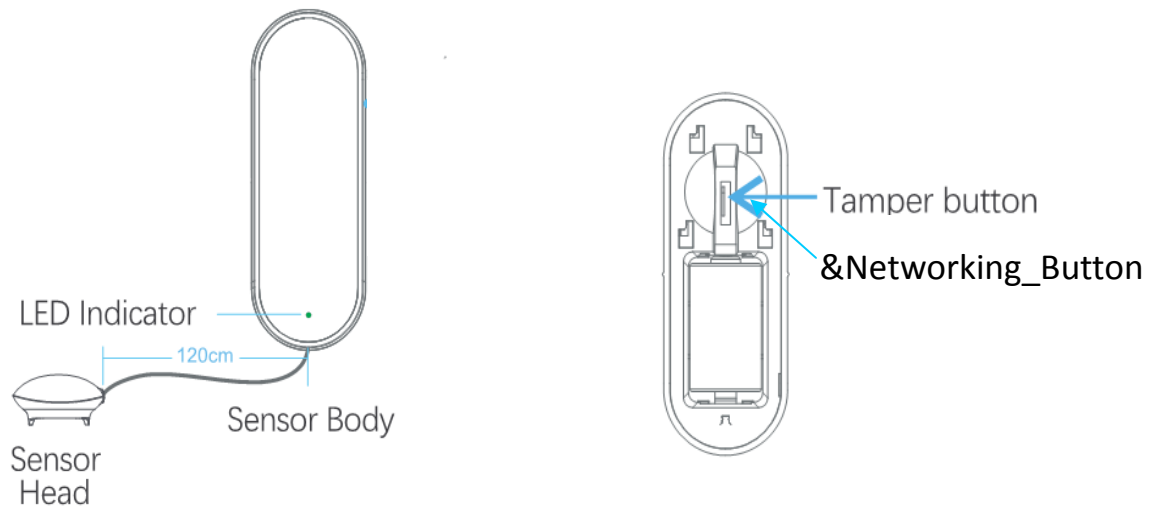


HS3WL-Z

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-Device detection mode

If Inclusion process is successful, the device will report alarm information if detect the status change of water and no water after press Networking_Button. Red LED blinks once when sensor detects water or no water.

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 Func_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 water event		
BASIC_SET Level	0xFF	Turn On Device
This parameter sets the value sent by the BASIC_SET command to Association Group for no water event		
BASIC_SET Level	0x00	Turn Off Device

6-Notification Report

-Water status is changed(water detected or no water detected) , Notification Report is transmitted

-Notification Report is transmitted

Notification Type	Event
Home Security (0x07)	Previous Events cleared (0x00)
	Tampering, Product covering removed (0x03)
Water Alarm	Previous Events cleared (0x00)

(0x05)	Water Leak detected, Unknown Location (0x02)
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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
2.5V ~ 3.0V	0 ~ 100 (%)
Under 2.5V	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

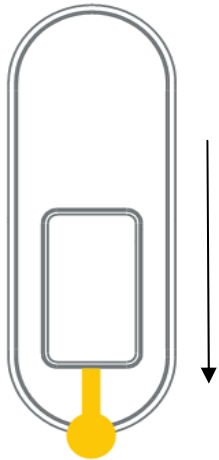
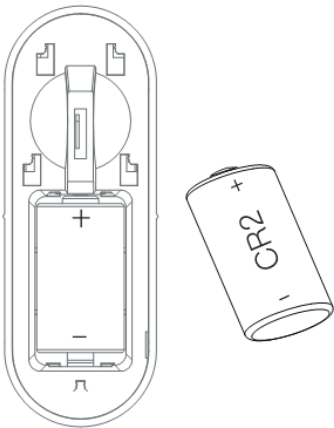
9.4.7-Powerlevel Version 1

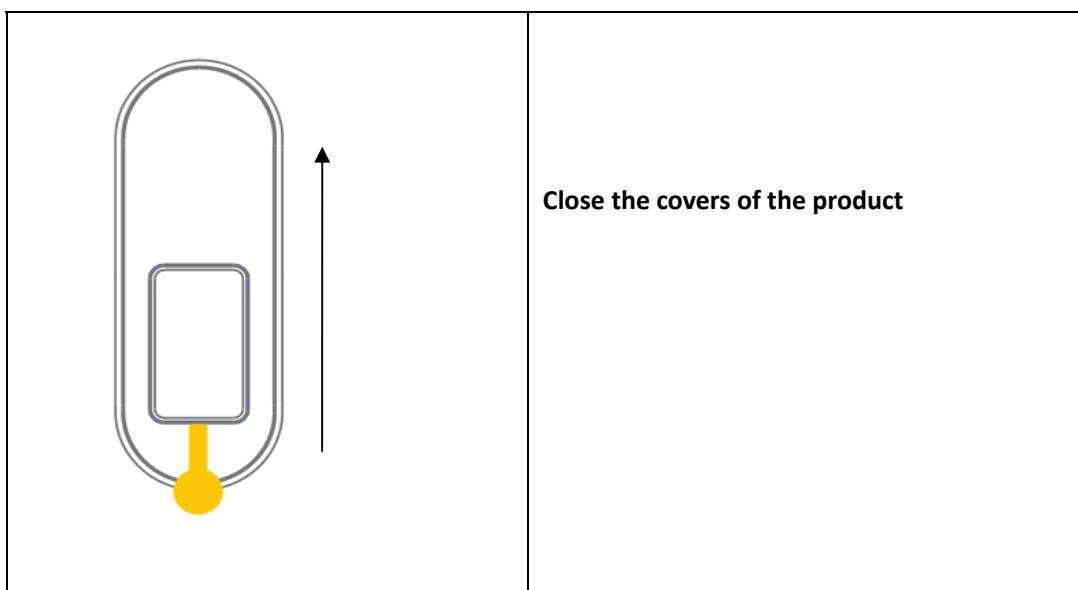
9.4.8-Battery Version 1

9.4.9-Wake Up Version 2

9.4.10-Multi Channel Association Version 3

How to replace the batteries

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



Technical Specifications

Model No.	HS3WL-Z
RF frequency	868.40- 869.85 MHz
RF operating distance	Up to 100m outdoor line of sight Up to 40m indoor
Powered by	CR2 x 1EA, lithium batteries
Temperature	-10°C~ 50°C
Humidity	95% max
Weight	43.6g (without batteries)