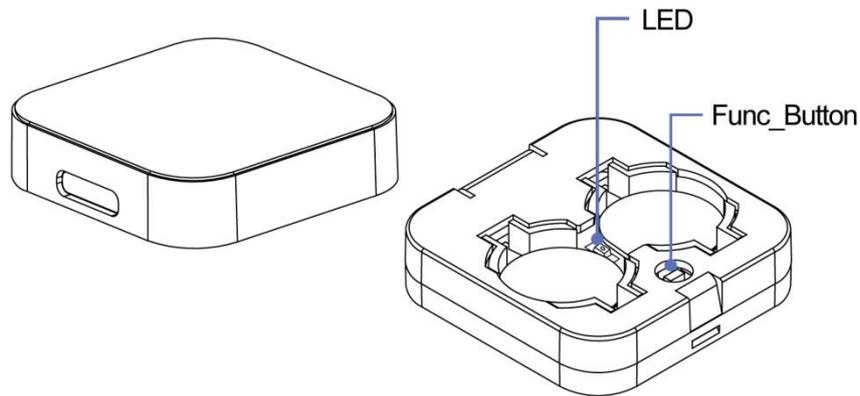


SHP-SG100Z

Z-Wave Device

Guide Document



Device Inclusion

- Click [Add] icon in Z-Wave PC Controller Program
- Press a Func_Button 1 time in SHP-SG100Z (Gradient Sensor)
- If Inclusion Process is successful, LED is Blinking 3 times in SHP-SG100Z

Device Exclusion

- Click [Remove] icon in Z-Wave PC Controller Program
- Press a Func_Button 3 times quickly in SHP-SG100Z
- If Exclusion Process is successful, LED is Blinking 5 times in SHP-SG100Z

Device Factory Reset

- Please use this procedure only in the event that the network primary controller is missing or otherwise inoperable
- Press a Func_Button for 10 seconds in SHP-SG100Z
- If Factory Reset Process is successful, LED is Blinking 1 time in SHP-SG100Z

- **Device Reset Locally notification** is Transmitted

Association & Association Group Information

- Lifeline between controller and SHP-SG100Z
- Supported command classes
: Battery report, Notification report, and Device Reset Locally notification
- Maximum supported nodes are 5

Notification Report

- When SHP-SG100Z is inclined, **Notification Report** is transmitted
- After **Notification Report** is transmitted, SHP-SG100Z doesn't sense for 30 seconds

Notification Type	Event
Home Security (0x07)	Motion Detection, Unknown Location (0x08)

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 10%

Battery Voltage	Battery Level
2.5V ~ 3.0V	10 ~ 100 (%)

Under 2.5V	0xFF
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Wake up Notification

- **Wake up Notification** is transmitted every 30 minutes by default.
- **Wake up Notification** is transmitted after **Notification Report** is transmitted

Z-Wave Configuration Parameters

- Parameter Number : [SENSOR SENSITIVITY \(0x01\)](#)
- Description of parameter and its effect on the product
: [Sensitivity setting value](#)
- Default value : [0x02](#)
- Size (Number of bytes) : [1 Byte](#)
- Possible Values : [0x01\(HIGH_SENSITIVITY\)](#) ~ [0x04\(LOW_SENSITIVITY\)](#)

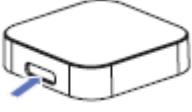
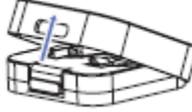
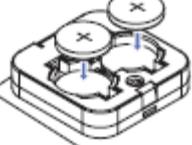
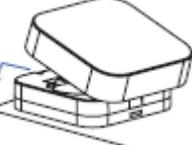
Devices from multiple manufacturers in one network

- 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.

Z-Wave Specifications

- Device Type : Sensor - Notification
- Role Type : RSS (Reporting Sleeping Slave)
- Command Class Support/Control
 - ✓ Z-Wave plus info
 - ✓ Version
 - ✓ Manufacture Specific
 - ✓ Notification
 - ✓ Device Reset Locally
 - ✓ Association Group Information
 - ✓ Association
 - ✓ Battery
 - ✓ Wake Up
 - ✓ Power Level
 - ✓ Configuration
 - ✓ Firmware update meta data

How to replace the batteries

			Press the button on the side of the product
			Open the covers of the product
			Insert the batteries on the product
			Close the covers of the product

Technical Specifications

Model No.	SHP-SG100Z
RF frequency	920.9 / 921.7 / 923.1MHz
RF operating distance	Up to 100m outdoor line of sight Up to 40m indoor
Powered by	CR2032 x 2EA
Temperature	0°C ~ 45°C
Humidity	80% max
Weight	50g (without batteries)