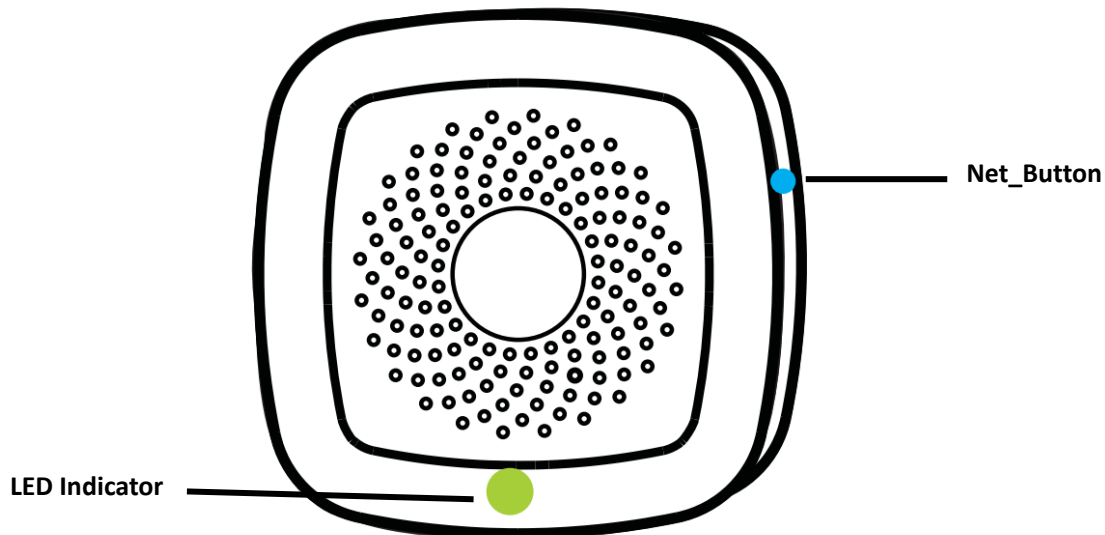


# HS1HT-Z

## Z-Wave Device Guide Document



### Product description

- Product can detect temperature and humidity in real time.
- Temperature changes greater than 2 degrees Celsius are reported immediately
- humidity changes greater than 5 percent are reported immediately
- 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 Net\_Button 3 times within 1.5s, Green LED is Blinking 3 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 Net\_Button 3 times within 1.5s
- If Exclusion Process is successful, Green LED is Blinking 6 times, then turn off

### 3-Device Factory Reset

- Long press Net\_Button at least 10 seconds in the product.
- Device Reset Locally notification is Transmitted.

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

#### 4-Association & Association Group Information

- Lifeline between controller and the product
- Supported command classes

Battery Report, Multilevel Sensor 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, multilevel sensor report, and Device Reset Locally

#### 5-Multilevel sensor Type and scale

-When Sensor detects the temperature and the humidity ,Notification Report is transmitted

Sensor Type	Scale	Scale value
Temperature (0x01)	Celsius(°C)	0x00
Humidity (0x05)	Percentage value	0x00

#### 6-Battery Report

- Battery Report is transmitted when power on the device.
- Battery Report is transmitted every 300 seconds.
- Battery Report is transmitted when the battery power falls less than 0%
- 

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

#### 7-Wake up Notification

- Wake up Notification is transmitted every 300 seconds by default.

#### 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 : Sensor -Multilevel

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-Association Version 2

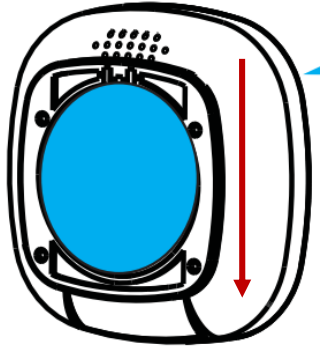
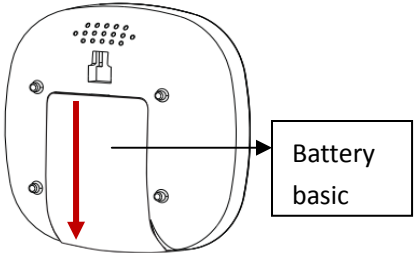
9.3.3-Association Group Info Version 1


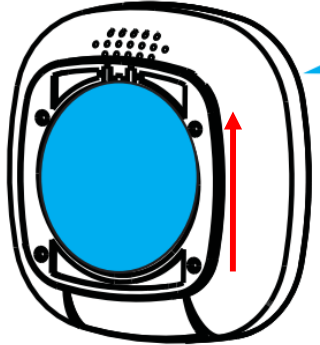
- 9.3.4-Transport Service Version 2
- 9.3.5-Version Version 3
- 9.3.6-Manufacturer Specific Version 2
- 9.3.7-Device Reset Locally Version 1
- 9.3.8-Powerlevel Version 1
- 9.3.9-Battery Version 1
- 9.3.10-Security 2 Version 1
- 9.3.11-Supervision Version 1
- 9.3.12-Wake Up Versi on 2
- 9.3.13-Multilevel Sensor Version 10
- 9.3.14-Multi Channel Association Version 3

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

- 9.4.1-Association Version 2
- 9.4.2-Association Group Info Version 1
- 9.4.3-Version Version 3
- 9.4.4-Manufacturer Specific Version 2
- 9.4.5-Device Reset Locally Version 1
- 9.4.6-Powerlevel Version 1
- 9.4.7-Battery Version 1
- 9.4.8-Wake Up Version 2
- 9.4.9-Multilevel Sensor Version 10
- 9.4.10-Multi Channel Association Version 3

**10-How to replace the batteries**

	<p><b>Push down the mounting base to separate it from the device main body.</b></p>
	<p><b>1)take out the old battery from the device 2)Insert a new battery into the device ( You must be careful of the battery polarity)</b></p>

	
	<p>Install the mounting base back to the device main body.</p>

## 11-Technical Specifications

Model No.	HS1HT-Z
RF frequency	868.40- 869.85 MHz
RF operating distance	Up to 100m outdoor line of sight Up to 40m indoor
Powered by	1 x CR2450
Temperature	-10℃~ 50℃
Humidity	95% max
Weight	50g (with batteries)