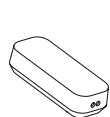


CONTACT

Please refer to the "Connection Guide" sent with this product.

ACCESSORIES

Before using the product, please confirm that you have all of the following.



Main body



Lithium battery
CR123A (1 free
sample)



Precautions for use -
Warranty card



Mounting
screw (2)



Double-sided
tape (2)



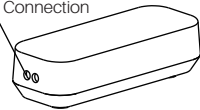
Connector
cable (2)



Instruction Manual
(this book)

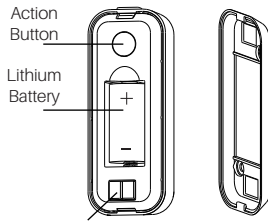
INTERFACES

Fire Alarm Connection
Terminal



LED

Release
Button



Action
Button

Lithium
Battery

Connector Cable
Fixing Button

Rear Mounting
Plate

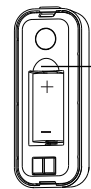
PREPARATION

1.Preparing the device

(1) Push the Release Button with your fingers, then remove the Rear Mounting Plate and pull it toward you.



(2) Remove the transparent battery blocker (insulating sheet).



Remove

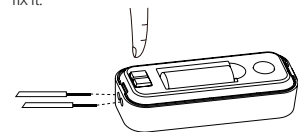
※ Please reinstall the
battery correctly

(3) Peel off both ends of the enclosed connector cable coating as shown below.



※ Both ends need to be peeled off.

(4) Press the Connector Cable Fixing Button with your fingers, then insert the connector cap into the Fire Alarm Connection Terminal and release it to fix it.



※ Both ends need to be fixed.

(5) Reinstall the Rear Mounting Plate with reference to the attached drawings.



(6) Connect the Connector Cable on the opposite side to the contact point of the Fire Alarm (sold separately). Refer to the Instruction Manual on the Fire Alarm side for connection.

Please refer to the KDDI
website for the Fire
Alarm.

2.Adding or Removing the device

(1) Activate the dedicated application and make the device ready to be added.

For detailed operation, please refer to the screen of the dedicated application.

(2) Add the device with the dedicated application.

Press the Action Button once within 1m from the gateway, and the LED will flash red.



Action
Button

※ Please note that it will be
initialized if you press and hold
the Action Button for more than
20 seconds.

※ The same method is used for
adding or removing this product.

(3) Please confirm that adding device is completed with the dedicated application.

If you can not add the device, please try again from step (2) after initializing this product. For the initialization method, please refer to "Device Initialization" in this manual.

(4) Reinstall the Rear Mounting Plate in the correct direction.

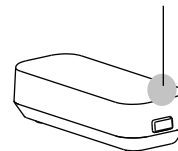


INDICATOR

Flashing: Adding or Removing mode

On: Wake up mode

Off: Sleeping mode



INSTALLATION

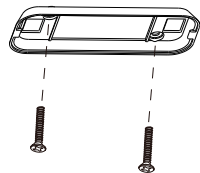
Please install this product where the electric field strength of Z-Wave is good.

1. When fixing with screws

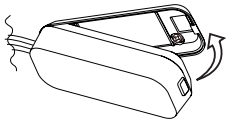
- (1) Remove the Rear Mounting Plate.



- (2) Secure the Rear Mounting Plate to the vicinity of the Fire Alarm (ceiling or wall etc.) with screws.

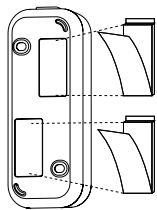


- (3) Return the Main Body to the fixed Rear Mounting Plate.

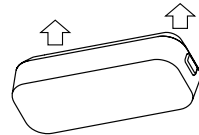


2. When fixing with double-sided tape

- (1) Peel off the protective film on one side of the double-sided tape and paste it on the mounting position of the Rear Mounting Plate in the figure.



- (2) Peel off the protective film on the opposite side of the double-sided tape and secure it securely near the Fire Alarm.



CONFIRMATION

1. After the installation is completed, communication confirmation will be carried out.

- (1) Press the test button of the Fire Alarm.
- (2) Installation is successful if we can confirm the notification sent to the dedicated application.

2. If you can not confirm the notification, please do it again after carrying out the following.

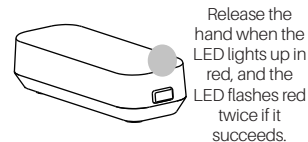
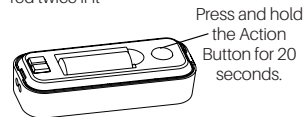
- (1) Move to areas where the electric field strength of Z-Wave is good such as near the gateway.

- (2) Check that the connection of the Connector Cable is correct.
- (3) Check whether the device adding is correct.

DEVICE INITIALIZATION

Please note that all setting information will be deleted when initializing.

- (1) Press and hold the Action Button for 20 seconds and the LED will light red.
- (2) Initialization is executed when you release your finger, and the LED flashes red twice if it



SPECIFICATION

Communication Technology	Z-Wave®
Communication Distance	30m
Communication Frequency	922~926MHz (Japan)
Battery	Lithium battery CR123A
Dimensions	W86 * D34 * H22mm
Weight	44g (Battery included)
Operating Temperature	0°C~40°C
Operating Humidity	20%~80%

TRADEMARK

Z-Wave® is a registered trademark of Silicon Labs and its subsidiaries in the United States and other countries. Other company names, product names, etc. described in this manual are trademarks and registered trademarks of each company. In addition, ™ and ® may be omitted in the manual.

WARRANTY

Please see the attached warranty card. Keep it carefully. If lost, you can not reissue the warranty card.

Provider

KDDI Corporation • Okinawa Cellular Telephone Company

Importer

Shinsei Corporation

KASAIHOUCHIKIADAPTOR01
(UFA01A)

Instruction Manual



Thank you for purchasing.

This product is a Z-wave Plus compatible adapter that connects to a Fire Alarm and notifies an alarm to a smartphone. For use, a dedicated smartphone application is required.

Please carefully read this "Instruction Manual" before use and use the product safely. Please keep it in a safe place after reading it. If there is a warning or caution indication on the product, please follow it.

For installation of dedicated application and the method of adding this product, please refer to "Connection Guide"

- You need to install a dedicated application on your smartphone.
- For installation of dedicated application and the method of adding this product, please refer to "Connection Guide"

お問い合わせ先

本製品を併せてお送りする『接続ガイド』をご参照ください。

同梱物

ご使用いただく前に、下記と同梱品がすべてそろっていることをご確認ください。



本体



リチウム電池
CR123A
(試供品1本)



ご利用にあたっての
注意事項・保証書



取付用ネジ
(2本)



両面テープ
(2枚)



コネクタケーブル
(2本)



取扱説明書(本書)

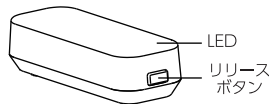
各部の名称

火災報知器接続端子



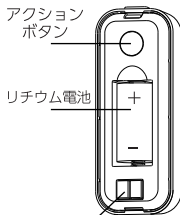
LED

リリース
ボタン



アクション
ボタン

リチウム電池



コネクタケーブル
固定ボタン

背面取付板



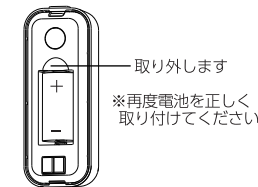
設置前の準備

1. デバイスの準備

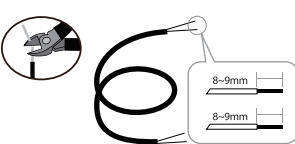
- ①リリースボタンを指で押し、手前に引きながら背面取付版を外します。



- ②透明色の電池ブロッカー(絶縁シート)を取り外します。

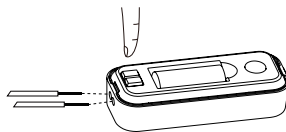


- ③同梱のコネクタケーブルの被膜を下記を参考に両端を剥いてください。



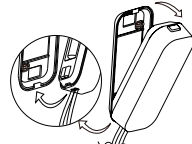
※2本とも同様に剥いてください。

- ④コネクタケーブル固定ボタンを指で押し、火災報知器接続端子にコネクタケーブルを挿入したら手を離し固定します。



※2本とも同様に固定します。

- ⑤背面取付板を図を参考にに取り付けます。

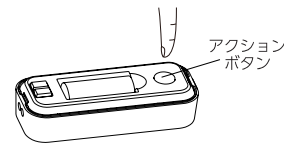


- ⑥火災報知器(別売り)の移報接点に反対側のコネクタケーブルを接続します。接続方法は火災報知器側の取扱説明書を参照ください。

対応の火災報知器リストは
KDDIホームページを参照
ください。

2. デバイスを登録する

- ①専用アプリを起動し、デバイスを登録できる状態にします。詳しくは専用アプリの画面の指示に従って操作してください。
- ②専用アプリでデバイスを登録します。ゲートウェイから1m以内の距離で、アクションボタン押しながら、1回押します。LEDが赤色に点滅します。



※アクションボタンを20秒以上長押しすると初期化されますのでご注意ください。
※本製品の登録/削除とも同じ方法になります。

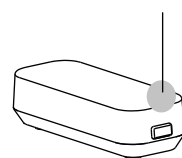
- ③専用アプリでデバイス登録が完了したことを確認してください。デバイス登録ができなかった場合は、本製品を初期化したあとに手順2から再度お試しください。初期化の方法は、本書の「デバイスの初期化」を参照ください。

- ④背面取付板を正しい向きで取り付けます。



LEDランプ表示

点滅:デバイス登録/解除
点灯:ウェイクアップ中
消灯:スリープモード中



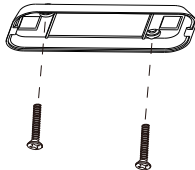
設置のしかた

Z-Waveの電界強度が良いところに設置してください。

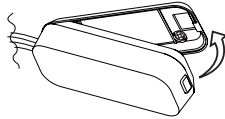
1. ネジで固定する場合
①背面取付板を外します。



- ②背面取付板を火災報知器の付近(天井又は壁など)に取り付けネジで固定します。

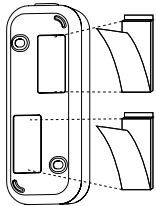


- ③固定した背面取付板に本体を戻します。

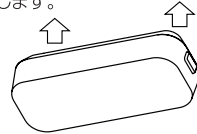


2. 両面テープで固定する場合

- ①両面テープの片方の保護フィルムを剥がし、図の背面取付版の取り付け位置に貼り付けます。



- ②両面テープの反対側の保護フィルムを剥がし、火災報知器付近に取り付けしっかり固定します。



通信確認

設置完了後、通信確認を行います。

1. 火災報知器のテストボタンを押します。
2. 専用アプリに通知を確認できれば設置は成功です。

通知を確認できない場合は、下記を実施後、再度おためしください。

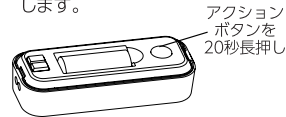
1. ゲートウェイ近くなどZ-Waveの電界強度が良いところ移動する。

2. コネクタケーブルの接続が正しいか確認する。
3. デバイスの登録が正しくされているか確認する。

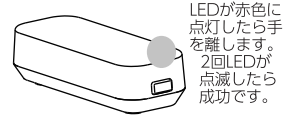
デバイスの初期化

初期化すると全ての設定情報が削除されますので、ご注意ください。

- ①アクションボタンを20秒間押し続けるとLEDが赤色に点灯します。
- ②指を離すと初期化が実行され、成功するとLEDが赤色に2回点滅します。



アクションボタンを20秒長押し



LEDが赤色に点灯したら手を離します。2回LEDが点滅したら成功です。

仕様について

通信方式	Z-Wave®
通信距離	約30m (見通しの良い環境に限る)
対応周波数	922～926MHz(日本)
電池	リチウム電池 CR123A
外形寸法	W86×D34×H22mm
質量	約44g (電池込)
動作温度範囲	0℃～40℃
動作湿度範囲	20%～80%

商標について

Z-Wave®は、米国および他の国で Silicon Labs と子会社の登録商標です。その他、本書で記載している会社名、製品名等は各社の商標および登録商標です。なお、本文中では、TM、®マークを省略している場合があります。

保障について

別添の保証書をご覧ください。保証書は大切に保管してください。紛失した場合、保証書の再発行はできません。

提供元
KDDI株式会社・沖縄セルラー電話株式会社
輸入元
株式会社シンセイコーポレーション

2019年3月第1版

火災報知器アダプタ01 (UFA01A)



取扱説明書

このたびはお買い上げいただき、まことにありがとうございます。本製品は火災報知器に接続し、警報をスマートフォンに通知するZ-wavePlus対応のアダプタです。ご利用にあたっては専用のスマートフォンアプリが必要です。ご使用前にこの『取扱説明書』をよく読み、製品を安全にお使いください。お読みになった後は、大切に保管してください。製品に警告・注意などの表示がある場合は、それに従ってください。

専用アプリのインストール、ゲートウェイの登録方法、本製品の登録方法などについては、「接続ガイド」を参照してください。

・スマートフォンに専用アプリをインストールする必要があります。
・専アプリのインストール、ゲートウェイの登録方法、本製品の登録方法などについては、『専用ガイド』を参照してください。

KASAIHOUCHIKIADAPTOR01

Engineering Specifications and Advanced Functions for Developers

KASAIHOUCHIKIADAPTOR01 is a sensor notification device based on Z-Wave enhanced 232 slave library of V6.51.10.

It is a fully functional Z-Wave® sensor that can detect a variety of dry contact signals, you just need to connect the matched external sensor on it, such as the water level sensor, dry contact switch, dry contact relay and so on. In other words, it can be used if the external sensor is a dry contact.

It is also a security Z-Wave device and supports the Over The Air (OTA) feature for the product's firmware upgrade.

It 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.

It also supports Security Command Class and has the AES 128 bit security encryption built right in, so a security enabled controller is needed for fully to utilize its function.

1 Library and Command Classes

1.1 SDK

6.51.10

1.2 Library

Basic Device Class: BASIC_TYPE_ROUTING_SLAVE

Generic Device class: GENERIC_TYPE_SENSOR_NOTIFICATION

Specific Device Class: SPECIFIC_TYPE_NOTIFICATION_SENSOR

1.3 Node Info

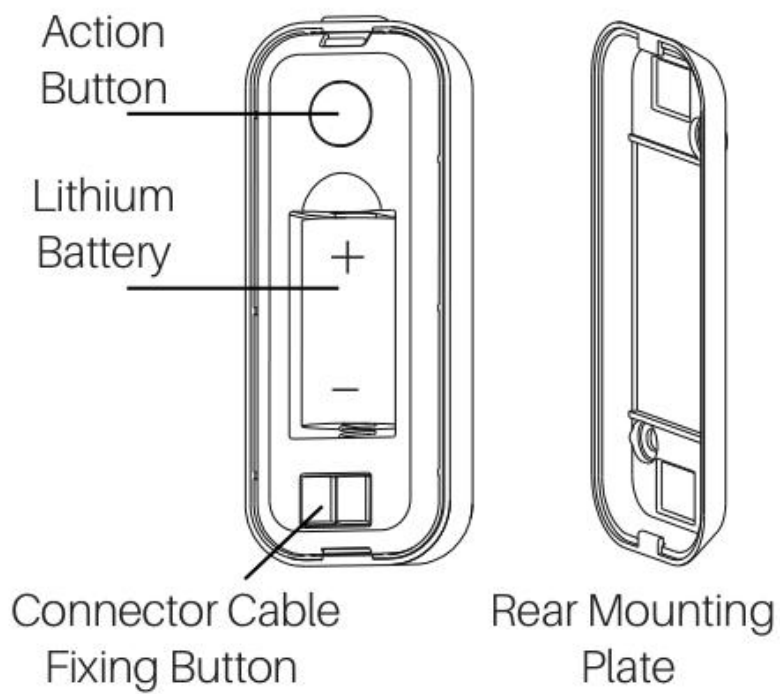
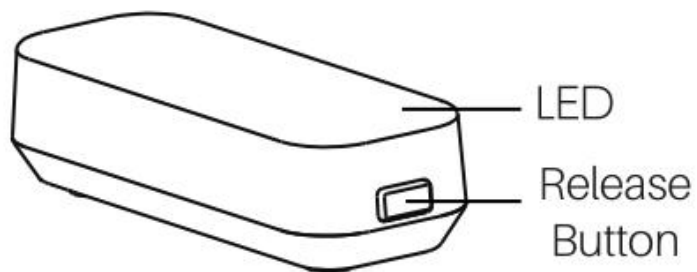
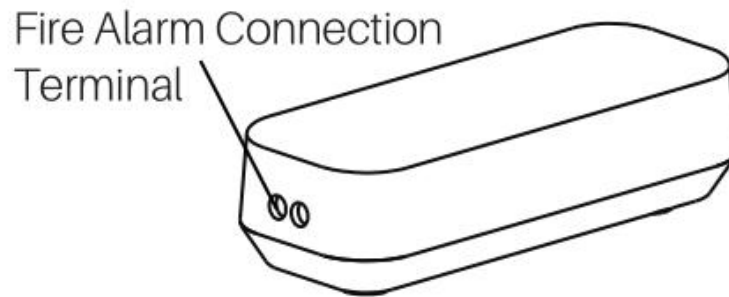
	Included Non-Secure	Included Secure
Node Info Frame	COMMAND_CLASS_ZWAVEPLUS_INFO V2 COMMAND_CLASS_VERSION V2 COMMAND_CLASS_MANUFACTURER_SPECIFIC V2 COMMAND_CLASS_NOTIFICATION V3 COMMAND_CLASS_ASSOCIATION_GRP_INFO V1 COMMAND_CLASS_ASSOCIATION V2 COMMAND_CLASS_BATTERY V1 COMMAND_CLASS_POWERLEVEL V1 COMMAND_CLASS_WAKE_UP V2 COMMAND_CLASS_SENSOR_BINARY V1 COMMAND_CLASS_CONFIGURATION V1 COMMAND_CLASS_SECURITY V1 COMMAND_CLASS_FIRMWARE_UPDATE_MD V2 COMMAND_CLASS_DEVICE_RESET_LOCALLY V1 COMMAND_CLASS_MARK V1	COMMAND_CLASS_ZWAVEPLUS_INFO V2 COMMAND_CLASS_VERSION V2 COMMAND_CLASS_MANUFACTURER_SPECIFIC V2 COMMAND_CLASS_SECURITY V1 COMMAND_CLASS_DEVICE_RESET_LOCALLY V1 COMMAND_CLASS_MARK V1
Security Command	-	COMMAND_CLASS_ASSOCIATION_GRP_INFO V1 COMMAND_CLASS_ASSOCIATION V2

Supported Report Frame		COMMAND_CLASS_POWERLEVEL V1 COMMAND_CLASS_NOTIFICATION V3 COMMAND_CLASS_WAKE_UP V2 COMMAND_CLASS_SENSOR_BINARY V1 COMMAND_CLASS_BATTERY V1 COMMAND_CLASS_CONFIGURATION V1 COMMAND_CLASS_FIRMWARE_UPDATE_MD V2
---------------------------	--	---

2 Technical Specifications

Communication Technology	Z-Wave®
Communication Distance	30m
Communication Frequency	922~926MHz (Japan)
Battery	Lithium battery CR123A
Dimensions	W86 * D34 * H22mm
Weight	44g (Battery included)
Operating Temperature	0°C~40°C
Operating Humidity	20%~80%

3 Familiarize the device



4 All Functions of Each Trigger

Trigger	Description
Click the Action Button one time	1. Send node info frame with security CC in node info list. (1) Add the device into Z-Wave Network: 1. Power on. 2. Let the primary controller into inclusion mode (If you don't know how to do this, please refer to its manual). 3. Press the Action Button. 4. If the adding is failed, please repeat the process from step 2. (2) Remove the device from Z-Wave Network: 1. Power on. 2. Let the primary controller into exclusion mode (If you don't know how to do this, refer to its manual). 3. Press the Action Button. 4. If the removing is failed, please repeat the process from step 2. Note: If it is removed from Z-Wave network, it will be reset to factory default. 2. Send Wake Up Notification in Z-Wave Network. 3. Exit 10 minutes wake-up state.
Press and hold Action Button for 3 seconds and then released	Toggle on/off 10 minutes wake-up state.
Press and hold Action Button for 20 seconds and then released	Reset device to Factory Default: 1. Make sure the device is connected to the power supply. 2. If holding time more than one second, the Network LED will fast blink. If holding time more than 20seconds, Network LED will be on for 2 seconds, which indicates the reset operation is successful, otherwise please repeat from step1 to step2.

	Note: 1. This procedure should only be used when the primary controller is inoperable. 2. Reset the device to factory default settings will: - a), remove from Z-Wave network state; - b), delete the Association setting; - c), restore the configuration settings to the default.
External Sensor triggers On/Off	Send Sensor Binary Report (configurable), Basic Set Command (configurable), Battery Report (configurable) or Notification Report.

The priority of destination node that Wake Up Notification will be sent to:

Destination nodes	Priority
The Node configured by Wake up Interval set command	Supreme
SIS or SUC Node	High
First Associated Node	Middle
Broadcast	Low

5 Command Class

5.1 Z-Wave Plus Info

Parameter	Value
Z-Wave Plus Version	1
Role Type	6 (ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_REPORTING)
Node Type	0 (ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE)
Installer Icon Type	0x0C01 (ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_SMOKE_ALARM)
User Icon Type	0x0C01 (ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_SMOKE_ALARM)

Note: Icon Type will change with Configuration Parameter 122 changes.

5.2 Manufacturer Specific

Parameter	Value
Manufacturer ID 1	0x01
Manufacturer ID 2	0x6A
Product Type ID 1	0x0A (JP)
Product Type ID 2	0x02
Product ID 1	0x00
Product ID 2	0x61

5.3 Association

The device supports 1 association group and can add Max 5 nodes in group 1.

Association Group	Nodes	Send Mode	Send commands
Group 1	0	N/A	N/A
	[1,5]	Single Cast	Send Sensor Binary Report (configurable in parameter 121) or Basic Set Command (configurable in parameter 121) or Notification Report Command when the Sensor is triggered.

5.4 Association Group Info

Association Group	Group Profile	Group Name	Command List
Group 1	General: Lifeline	Lifeline	Basic Set Sensor Binary Report Notification Report Device Reset Locally Notification Battery Report

5.5 Notification

Default Notification Type and Event:

Notification Type: Smoke Alarm (0x01).

Notification Events: Smoke detected (0x02).

Note: Other supported Notification Types or Events can be configured via Parameter 122.

5.6 Basic

Basic Set Command maps no Command.

Basic Get Command maps Sensor Binary Get Command.

Basic Report Command (Value) maps Sensor Binary Report Command (Sensor Value).

5.7 Configuration

Parameter Number Hex / Decimal	Description	Default Value	Size
0x01 (1)	Which value of the Sensor Binary Report will be sent when the Sensor is triggered On/Off. Value=0: On=Sensor Binary Report 0xFF, Off=Sensor Binary Report 0x00. Value=1: On=Sensor Binary Report 0x00, Off=Sensor Binary Report 0xFF.	0	1
0x02 (2)	Enable/disable wake-up 10 minutes when re-power on the Sensor. Value=0: Disable. Value=1: Enable.	1	1

0x03 (3)	Which value of the Basic Set will be sent when the Sensor is triggered On/Off. Value=0: On=Basic Set 0xFF, Off=Basic Set 0x00. Value=1: On=Basic Set 0x00, Off =Basic Set 0xFF.	0	1
0x27 (39)	Set the low battery value. (10% to 50%)	15	1
0x6F (111)	Set the interval time of battery report. Value=0: Disable the battery report for an interval time. Value=1 to 0x7FFFFFFF: The interval time of battery report is set. Note: 1, if the value is less than 10, the time unit is second. If the value is more than 10, the time unit is 4 minutes, which means if the value is more than 10 and less than 240, the interval time is 4 minutes. If the value is more than 240 and less than 480, the interval is 8 minutes. 2, if the current battery report falls below the low battery value (configurable parameter 39), it will send battery report=0xFF.	0	4
0x79 (121)	Configure which command will be sent when the Sensor is triggered On/Off. For details, refer to the below Table A, Parameter number equals 121.	0	4
0x7A (122)	Set a Notification Type for the device. For details, refer to the below Table B, Parameter number equals 122.	1	1
0xFF (255)	1, Value=0x55555555、Default=1、Size=4 Reset to factory default setting and removed from the Z-Wave network 2, Value=0、Default=1、Size=4 Reset to all settings to default value.	N/A	4

Table A, Parameter number equals 121

	7	6	5	4	3	2	1	0
Configuration Value 1(MSB)	Reserved							
Configuration Value 2	Reserved							
Configuration Value 3	Reserved							Basic Set
Configuration Value 4(LSB)	Reserved	Reserved	Reserved	Sensor Binary	Reserved	Reserved	Reserved	Reserved

Example:

Configure the device to send Sensor Binary report to controller when the Sensor is triggered:

1), Set the association to node 1(controller).

ZW_SendData(0x85, 0x01, 0x01, 0x01); // Association Set

2), Set the parameter 121 to 0x00000010.

ZW_SendData(0x79, 0x04, 0x00, 0x00, 0x00, 0x10); //Configuration Set

Table B, Parameter number equals 122

Value	Notification Type (8 bit)		Event (8 bit)		Sensor state
1	Smoke Alarm	0x01	Smoke detected Unknown Location	0x02	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered
2	CO Alarm	0x02	Carbon monoxide detected, Unknown Location	0x02	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered
3	CO2 Alarm	0x03	Carbon dioxide detected, Unknown Location	0x02	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered
4	Heat Alarm	0x04	Overheat detected, Unknown Location	0x02	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered
5	Water Alarm	0x05	Water Leak detected, Unknown Location	0x02	Sensor ON is triggered
			Water Level Dropped, Unknown Location	0x04	Sensor OFF is triggered
6	Access Control	0x06	Window/Door is open (V3)	0x16	Sensor OFF is triggered

			Window/Door is closed (V3)	0x17	Sensor ON is triggered
7	Home Security	0x07	Intrusion, Unknown Location	0x02	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered
8	Power Management	0x08	AC mains disconnected	0x02	Sensor OFF is triggered
			AC mains re-connected	0x03	Sensor ON is triggered
9	System	0x09	System hardware failure	0x01	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered
10	Emergency Alarm	0x0A	Contact Fire Service	0x02	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered
11	Clock	0x0B	Timer Ended (V3)	0x02	Sensor ON is triggered
			State Idle	0x00	Sensor OFF is triggered