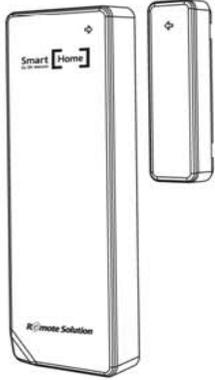# Product Character/Description

Smart [Home]
by SK telecom
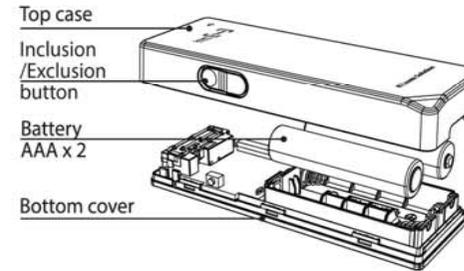
Smart [Home]

Remote Solution

Product Character

· Product can be accessed by Smart phone in everywhere and checking current status through Smart phone.

· Window & door open or close status can be checked in real time.

· Once interloper come in to space that open sensor is nstalled, open sensor will alarm to owner through Smart phone

· If battery life is coming to end, it can be checked by Smart phone
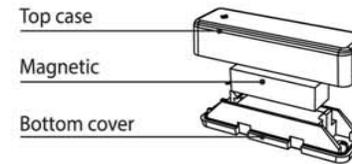
Product Description

· Once open sensor detect door / window status, it will report to IoT hub through z-wave protocol

· AAA X 2ea battery is used for open sensor

· 1 year battery life time.

· Open sensor can be easily installed by double side tape.

· If LED blinks after closing the door, it is proof of working well.
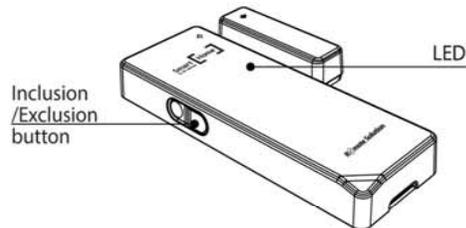
Product Name

Sensor Module

Top case
Inclusion /Exclusion button
Battery AAA x 2
Bottom cover

Magnetic Module

Top case
Magnetic
Bottom cover

Product Setting Method

LED

Inclusion /Exclusion button

Open Sensor Device Inclusion

1. Press & hold Inclusion/Exclusion button for 5 seconds when Open Sensor is exclusion status.

2. LED of Open sensor will be on 5 seconds later.

3. Open sensor will try Inclusion for 30sec when button is released.

4. LED will blink 3 times with 250ms interval if Inclusion is successful.

Open Sensor Device Exclusion

1. Receiver will stay exclusion waiting mode.

2. Press & hold Inclusion/Exclusion button for 5 seconds when Open Sensor is Inclusion status.

3. LED of Open sensor will be on 5 seconds later.

4. Open sensor will try Exclusion when button is released.

5. LED will blink 3 times with 250ms interval if Exclusion is successful.

Open Sensor Device Factory Reset

1. Press & hold Inclusion/Exclusion button for 10sec.

2. LED will blink while holding the button.

3. Factory reset will be done in 5sec after releasing button and LED will blink 5 times with 100ms interval.

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

Others

Z-Wave Configuration

1. Parameter Number : 0x01
2. Default : 0
3. Reserved : 0
4. Size : 1 Byte
5. Configuration : 0x01 ~ 0xFF
So ignore if you get Basic Get

· Open sensor can be registered in Z-wave network with other product which have certification of Z-wave. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network

· Grouping identifier : Association Group support is only 1 The maximum number of node supports up to 5 This product's Association Group are used by Life Line of products.

· Support of Basic Command Class is not required for this Device Type.

1. This device is a security enabled Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communi cate to other security enabled Z-Wave Plus products.

2. This device must be used in conjunction with a Security Enabled Z-Wave Controller in order to fully utilize all implemented functions.

Product Specification

Specification

Size	(sensor)	34 X 95 X 13.6 mm
	(magnet)	13.7 X 45.3 X 11.3 mm
Power		AAA X 2ea
Battery Lift time		1 year
Operation Tolerance		-10℃ ~ 50℃
Storage Tolerance		-10℃ ~ 50℃
Storage Huminity		Max. 80%

Communication method	Z-Wave
Data Rate	100 kbps
Modulation	GFSK
Frequency	920.9MHz, 921.7MHz, 923.1MHz
Channel	3ea
Transmit Power	Max. 10 mW