Z-Wave Window/Door Detector

User's Manual

TD1110Z1

ABOUT THIS MANUAL

This manual is designed for use with the Z-Wave Window / Door Detector. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- If any of the following situation arises, get the equipment checked by a service technician:
    - The equipment has been exposed to moisture.
    - The equipment has been dropped and damaged.
    - The equipment has obvious sign of breakage.
    - The equipment has not been working well or you cannot get it to work according to the User's Manual.

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TRADEMARKS

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a. for FCC 15b devices

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

b. FCC Part 15.21 information for user

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

c. for mobile devices without co-location condition (the transmitting antenna is installed or located more than 20cm away from the body of user and near by person)

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Table of Contents

1. Introduction

This detector enables you to detect when your window/door is opened or closed. This detector allows you to assign lights or appliances to turn on and off when the attached window/door is being opened or closed. You can monitor any window/door status in your home through PC connectivity using a Z-wave USB dongle when you are away from home.
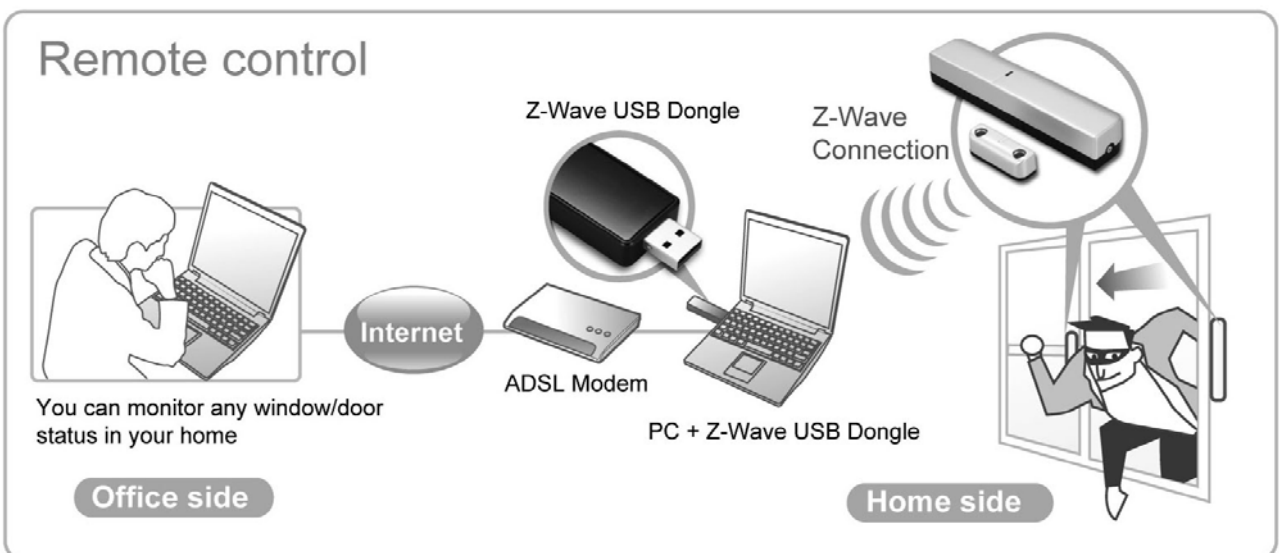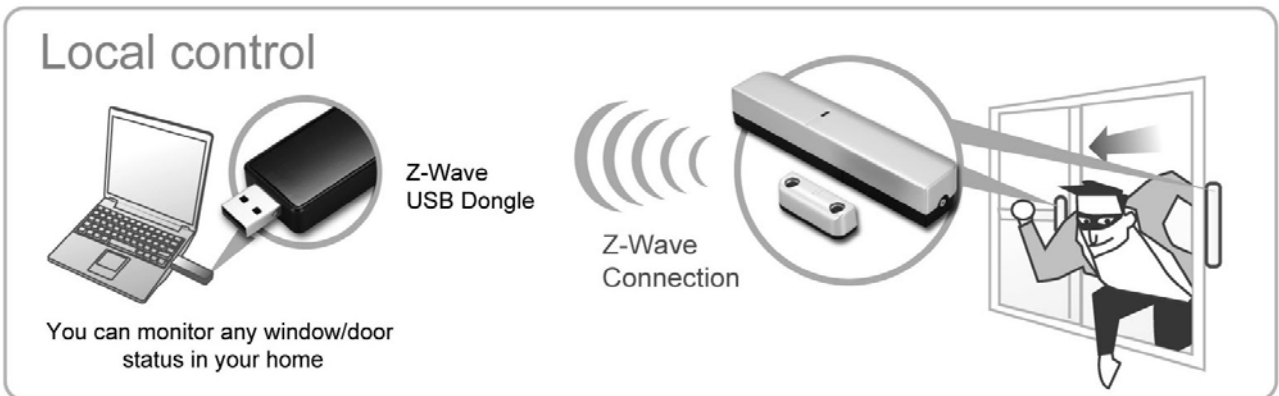
Features

- Simple plug and play installation.

- Support device linking for triggering multiple devices to provide maximum security.

- Fully compatible with Z-wave enabled network, capable of communicating with any Z-wave certified device

Package Contents

- Z-Wave Window / Door Detector   x1
- 1.5 V AAA battery   x2
- User's Manual   x1

LED Indicator

Color	Description
Red	- Light : When the window or door is open. - Flash: When the window or door is open above 10 minutes, the LED will become flashing to remind user close the window or door.
Green	- When the batteries of device is at low power position.

Z-Wave

Z-Wave is a state-of-the-art wireless technology used as a standard for wireless home control. It is a next-generation wireless ecosystem that lets all your home electronics talk to each other, and to you, via a controller or gateway. It uses simple, reliable, low-power radio waves that easily travel through walls, floors and cabinets. All products featuring the Z-Wave logo are certified to work with one another.

Wireless Range

The Z-Wave Lamp Dimmer Switch is made wireless by Z-Wave technology. Typical range for a wireless module is approximately 100 feet. When installing the module consider an open area with little obstruction for the best signal and performance. Avoiding the obstruction between the module and controller may make a negative effect on wireless performance and range.

2. Installation

Hardware Connection

Contact Magnet

LED

Cable Conduit

Battery Lid Screw

Program Button

Battery Lid
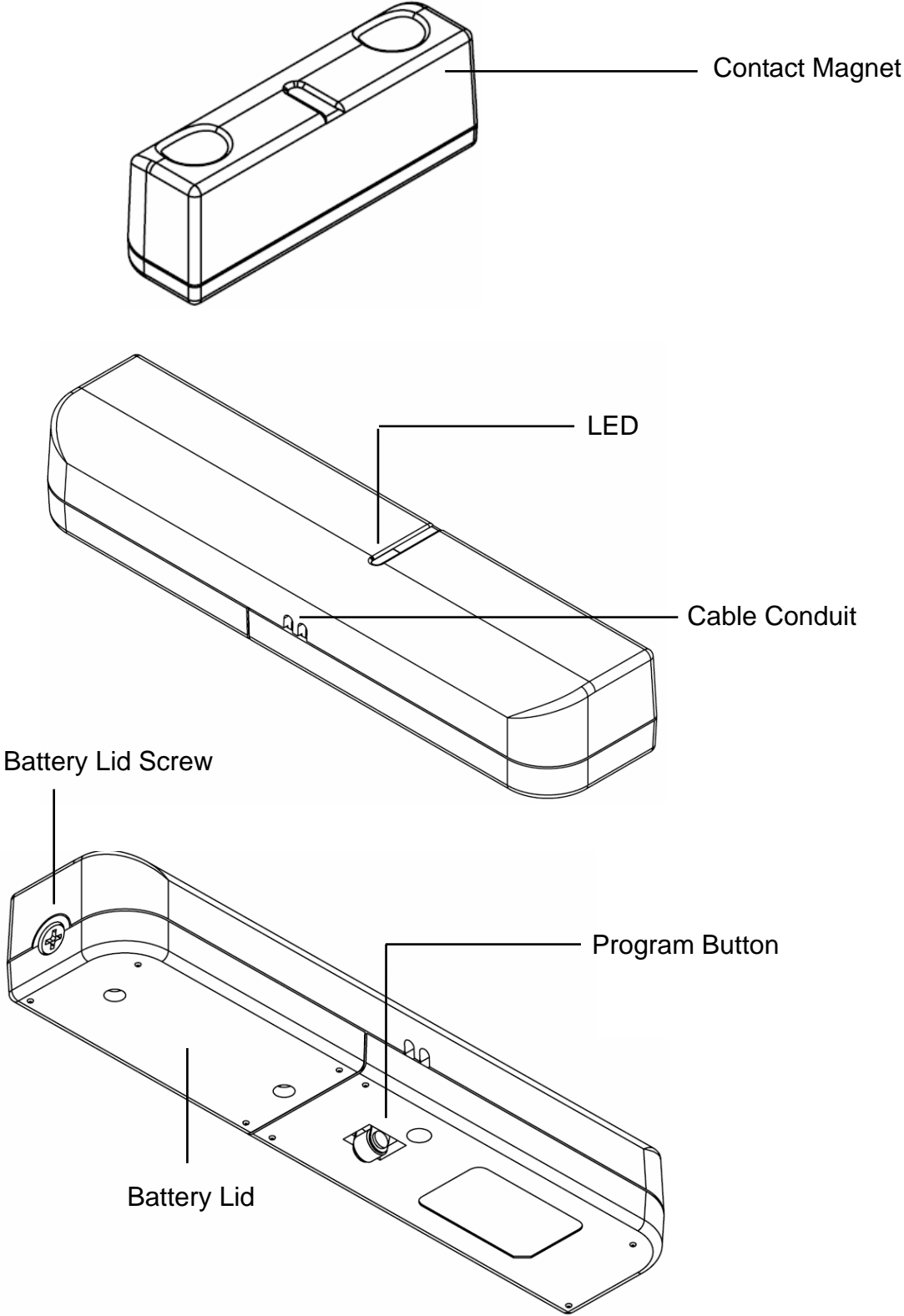
Product Description

Below is a description of button, light and plugs for the Z-Wave Window / Door Detector.

LED

The light will blink to indicate that the module has been entered "Program Mode" or when it is communicating wirelessly to the Z-Wave controller, such as Z-Wave Dongle.

Contact Magnet

The magnet is used to detect if the window or door are open. Magnetic contact is placed next to the Window / Door Detector.

Program Button

Pressing this button down will put the Z-Wave Window / Door Detector into "Program Mode".

Battery Lid Screw

Located on the back of the Window / Door Detector, the battery lid is fastened by the battery lid screw on the bottom of the unit. Remove this lid to install the batteries for the Window / Door Detector.

Cable Conduit

This product provides extending switch function for user's use. Please purchase a normal on/off switch first and in order to maximize the utility and use of this product, please take the following steps to install this additional function.

1. Please open the battery lid by prepared screwdriver. User can see two hole beside this product clearly.
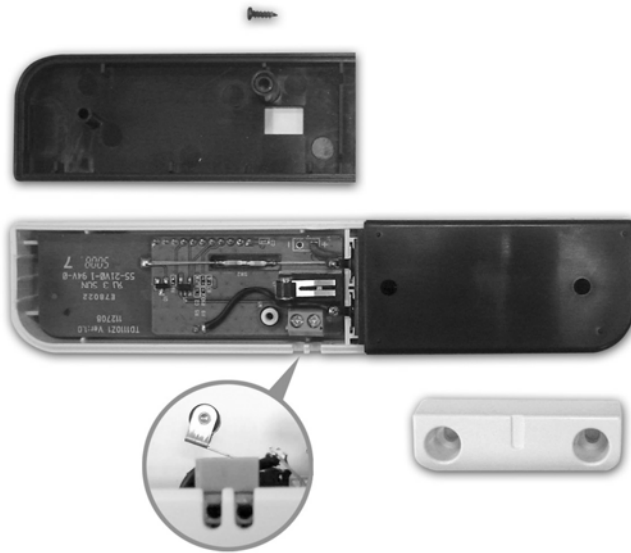
2. Now connect prepared normal switch to this two hole by screwdriver as instruction.

3. Make sure the operation and status of LED indicator are working, please put the battery lid back and ready to use.

Installation Requirements

To install this product you must have Z-Wave enabled controller, such as Z-Wave Dongle, to make an association with Z-Wave Window / Door Detector.
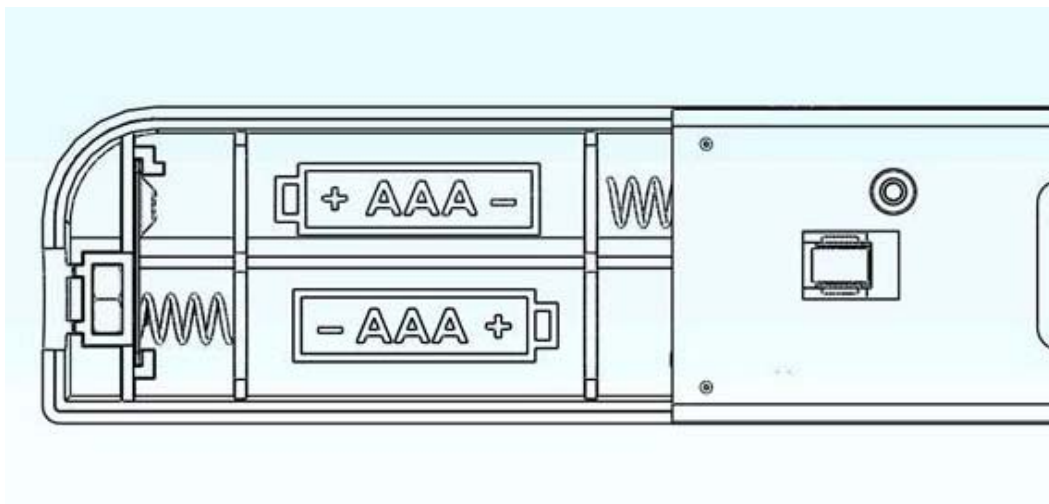
Installing the Z-Wave Window / Door Detector

NOTE ===
Before you install or use this Z-Wave Window / Door Detector, please install your Z-Wave controller first and make an inclusion for your Z-Wave device. Not all Z-Wave enabled remote controls have the same installation process. Actual instructions may vary, it depends on the software that Z-Wave controller provided.

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To install the batteries

1. Use your screwdriver to open the battery lid.
2. Slide the battery lid down and insert your 2*AAA batteries into the Z-Wave Window / Door Detector according to the instructions in the battery compartment.

3. Slide the batter lid back on the Z-Wave Window / Door Detector and fasten the lid by using the screw.

To mount your Z-Wave device

The Z-Wave Window/Door Detector can be mounted on any location that can be open or closed, such as closets, doors, windows, safes. The Z-Wave Window/Door Detector can be mounted in two ways: Double Sided Tapor Screws. These instructions will go over the screw mounting method.

1. Unscrew the Battery Lid from the Door/ Window Sensor and slide the lid off.
2. Use the screws that provided in the mounting kit to screw the lid onto your desired location.
3. Slide the Z-Wave Window/Door Detector back on the lid and fasten the lid back on the device.
4. Please make sure your window or door is closed. Use the remaining screws to mount the contact magnet adjacent to the Z-Wave Window/Door Detector. For best performance, please also make sure that there is as little space between Z-Wave Window/Door Detector and the contact magnet as possible.

Z-Wave Window/Door Detector enables you to make sure the safety of anywhere you desire to control in door. When the window or door is open, the LED will light red because of the detector can't detect the contact magnet.

3. Specifications

Item	Description
Protocol	Z-Wave
Sensor Type	Magnet
Power Mode	Self Power
Power	Battery 1.5V AAA size * 2
LED Indicator (Dual color)	■ Low battery indicator : Battery indicator shows when the battery voltage falls below at normal position ■ Red color : Door/Window open status ■ Green color : Low battery status.
Frequency	908.42MHZ(US)/ 868.24 MHZ(EU)
Operation Range	Up to 100 feet　(about 30m)
Data Rate	40kbps
Protection	Indoor use
Working Environment	■ Operation temperature: 0 ~ 45 °C ■ Storage temperature: -10 ~ 80 °C
■ Dimensions (Lx W x H)	■ Detector : 130x28x21.8mm ■ Contact Magnet : 45x14x12.7mm
Weights	75 g (Contact Magnet included)
Housing	Plastic
Flame Class	Silver + black
Surface Processing	Painting
Compliance	FCC,

Specifications are subject to change without further notice

4. Regulatory Compliance

FCC Conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference and

(2) this device must accept any interference received, including interference that may cause undesired operation

WEEE Information

For EU (European Union) member users:
According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.