Product Description and Specification:

Reed Switch
Magnet
Battery Compartment
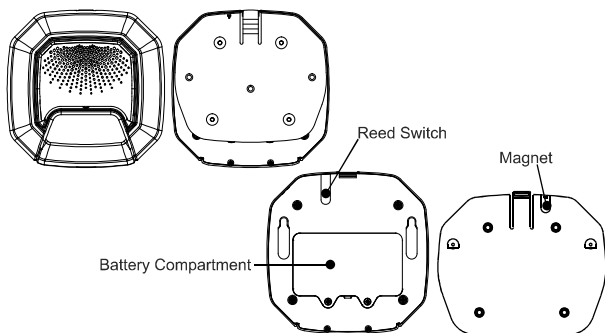
Specification

Protocol: Z-Wave™ (ZM5202)
Frequency Range:
865.22MHz (ZM1621IN-5)
868.10MHz (ZM1621MY-5)
868.42MHz (ZM1621EU-5)
869.00MHz (ZM1621RU-5)
908.42MHz (ZM1621US-5)

916.00MHz (ZM1621IL-5)
920~923MHz (ZM1621KR-5)
919.80MHz (ZM1621HK-5)
922~926MHz (ZM1621JP-5)
921.42MHz (ZM1621BR-5)

Operating Range: Up to 100 feet line of sight
Loud Audible Alarm: > 115db@30cm
LED Strobe Lighting
Operating Temp.: -10°C~ 60°C (14°F~140°F)
Battery: 4pcs x UM-1

Z-Wave™ Command Classes:

COMMAND_CLASS_ASSOCIATION_GRP_INFO
COMMAND_CLASS_ASSOCIATION_V2
COMMAND_CLASS_BATTERY
COMMAND_CLASS_CONFIGURATION
COMMAND_CLASS_DEVICE_RESET_LOCALLY
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
COMMAND_CLASS_NOTIFICATION_V8
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_SECURITY
COMMAND_CLASS_SECURITY_2
COMMAND_CLASS_SENSOR_MULTILEVEL_V11
COMMAND_CLASS_SUPERVISION
COMMAND_CLASS_SWITCH_BINARY (Mapping COMMAND_CLASS_BASIC_V2)
COMMAND_CLASS_TRANSPORT_SERVICE_V2
COMMAND_CLASS_VERSION_V3
COMMAND_CLASS_ZWAVEPLUS_INFO_V2

	V0	1061117	

Operation
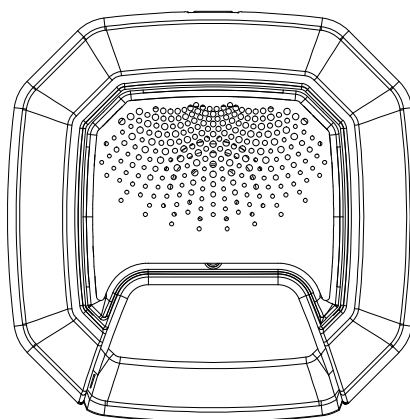
❶ Normal operation, the LED light will not on.

❷ Alarm Mode:
Active: It will active the Alarm Mode after receiving Basic Set (ON) or Binary Switch (ON). The LED Strobe Light & SIREN will be active according to the Configuration's setting value.
Stop: It will stop the Alarm Mode after receiving Basic Set (OFF) or Binary Switch (OFF) which depends on Configuration's setting value.
Auto Stop: After stopping alarm, it will send Binary Switch Report (0x00)

	Alarm Version1	Alarm Version8
Alarm Type	0X07	
Alarm Level	0x00 (Trigger) / 0xFF (Non Trigger)	
Notification Type		0X07
Notification Event		0x03 (Trigger) / 0xFF (Non Trigger)

❸ Self-Protection Mode: After put back the bracket over 5 seconds, ZM 1621 will enter the Self-Protection Mode which will activate LED Strobe Light & SIREN at the same time. The Alarm Mode will be triggered If the back cover has been opened during the Self-Protection Mode The Stop method is same as the Alarm Mode. Open the bracket will send notification after 5 seconds; close the bracket will send another notification after waiting the alarm stop first.

❹ Power Level Control:
* Use PowerLevel Set Command to set the RF strength during a specific period.
* Use PowerLevel Test Node Set Command to test the RF strength for specific node.

❺ Battery Capacity Detection:
* Use "Battery Get" command to have the battery capacity back in % (hexadecimal)
* Auto Battery Capacity Detection in every 2 hours.
* Low Battery Report when power is lower than 4.6V +/- 0.2V
* Battery Report will be sent by every wake up notification.

❻ Security enabled_ Z-Wave controller must be used to fully utilize the product.

❼ Support Explorer Frame Function

❽ Support SECURITY S0, SECURITY S2 UNAUTHENTICATED & SECURITY S2 AUTHENTICATED.

❾ Support Smart Start, please scan the QR Code from ZM1621 for Smart Start.

❿ A Security Enabled Z-Wave Controller must be used to fully utilize the products.

⓫ Power On "Delay Detection Time": Every Power On will have 10 seconds "Delay Detection Time" reserved for "Factory Default Reset". It's workable only when ZM1621-5 has included.

⓬ Factory Default Reset: Remove cover to trigged tamper switch, LED keep flash then remove the batteries and wait for 30 seconds and reload batteries. Touch the Reed switch 3 times within 10 seconds "delay detection time" after power on, ZM1621 will send the "Device Reset Locally Notification" command after 10 seconds and reset to the factory default and the LED will stay solid on then remove the batteries and reload for finishing the reset procedure. (Remark: 1. This is to be used only in the case of primary controller being inoperable or otherwise unavailable. 2. The LED keep solid on after successful reset or flash once.)

Federal Communications Commission Statement

This equipment has been followed to comply with Part 15 of the FCC Rules. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, 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 and correct the interference by one of the following measures:
-Reorient or relocate the receiving antenna,
-Increase the separation between the equipment and receiver,
-Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.
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 undesirable operation.
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Outdoor Z-Wave Siren

Installation & Operation Manual

Thanks for choosing the Vision's wireless outdoor siren & strobe alarm of the home security device. This siren is a Z-Wave™ enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave™ enabled network and it's security framework. Z-Wave™ enabled devices displaying the Z-Wave™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave™ enabled networks. This product will sound a loud siren and flash a strobe light when an alarm message or alert is received on any Z-Wave™ enabled network. When the device is secure included into Z-Wave network, above communication will be encrypted.

Vision Guarantees that every wireless siren & strobe alarm is free from physical defects in material and workmanship under normal use for one year from the date of purchase. If the product proves defective during this one-year warranty period, Vision will replace it free of charge. Vision does not issue any refunds. This warranty is extended to the original end user purchase only and is not transferable. This warranty does not apply to :
(1) damage to units caused by accident, dropping or abuse in handling, or any negligent use; (2) units which have been subject to unauthorized repair, taken apart, or otherwise modified; (3) units not used in accordance with instruction; (4) damages exceeding the cost of the product; (5) transit damage, initial installation costs, removal cost, or reinstallation cost.
For information on additional devices, please visit
www.digitalhomesystems.com.au

Installation

Product Package Content:

ZM 1621 X1   Screws X4   UM-1 Batteries X4   User Manual X1
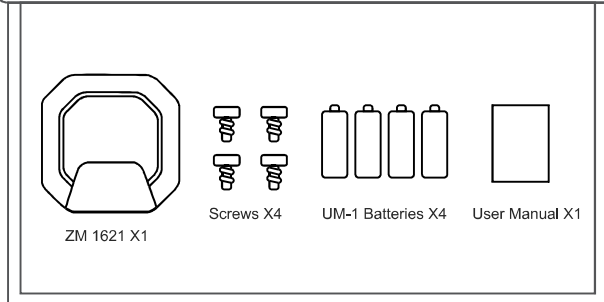
Note: If you are installing the entire Z-Wave™ system for the first time, please refer to the installation guide of Z-Wave™ Interface Controller before installing ZM 1621.

1. Remove the bracket from the siren by press the locking tab, and then gently slide up the siren. Observe the correct polarity before insert the batteries.

2. Insert the batteries into ZM1621.

3. Using the screws to affix the bracket on the chosen location.

4. Slide back the front cover, and then the LED light should go off.

5. LED Status for Z-Wave Network:
After power on, the LED light will flash 25 seconds if the siren has not been included yet.
After power on, the LED light will go off if the siren has been included.

6. For "Inclusion" or "Exclusion" in (adding to or removing from) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the ZM 1621 to your controller. To get in the "inclusion" mode, get magnet of the bracket to touch the reed switch on the ZM1621 and separate at once to be included. After setting, the LED Light should go off, if not, please try again. (After sending one time's Z-Wave NIF and not be included then it will send NWI for auto inclusion. The LED light will flash again if the siren has not been included or the LED light will go off after inclusion.) ZM1621-5 will send NWE if the exclusion could not be done successfully.

Note:
a. LED light will flash continuously in Exclusion condition.
b. All user and network settings will be cleared and the device reset to factory defaults when the device is excluded.

For "Association": the Z-Wave TM interface controller set "Association", and following its instruction to associate the ZM1621 with other device. ZM1621 will get into "Sleep" mode for power saving. Support grouping identifier=1 (lifeline) Support one association group (=Max 5 nodes). "Association" is used for rear cover notification, auto temperature report, low battery report and other grouping devices' chain reaction.

For "Configuration":

	Byte	Value
Parameter 1 (Siren/Strobe Mode)	1	0 (All Enable) - Default 1 (Siren Only) 2 (Strobe Only)
Parameter 2 (Alarm Auto Stop Time)	1	0 (30 seconds) - Default 1 (60 seconds) 2 (120 seconds) 3 (Will Not Automatically Stop)
Parameter 3 (Temperature Auto Report)	1	0 (No Auto Report) 1 ~ 5 (Auto Report of Temperature Difference in °C from 1°C ~ 5°C) Default: 3°C
Parameter 4 (Temperature Unit)	1	0 (Celsius) - Default 1 (Fahrenheit)

(Parameter 1) Siren/Strobe Mode: User can change value from 0 to 2 to turn either Siren sound, Strobe light, or both when triggered.

(Parameter 2) Alarm Auto Stop Time: User can change the duration of siren time when triggered.

(Parameter 3) Temperature Auto Report: User can define the temperature's different value for auto report.

(Parameter 4) Temperature Unit: User can choose favorable temperature unit.

7. Support OTA Firmware update from controller. Please refer to your controller manual. We recommend to exclude then include the devices from system after OTA.

8. All the rest commands depend on Z-Wave standard.