Operation

1. While detecting water, the sensor will be triggered and send signal to your controller.
2. Normal operation, the LED will not light.
3. If the cover of sensor is removed, the tamper switch will send signal according the Status/Signal table, and the LED will go solid. Before replacing the cover, the sensor is under “Awake” mode.
4. Support OTA Firmware update from the controller. Please refer to your controller manual.
5. Triger the Water Sensor 10 times within 10 sec. The device will send command class of device reset to controller and back to the factory default state. Please use this procedure only in the event that the network primary controller is missing or otherwise inoperable.

Federal Communications Commission Statement

This equipment has been followed 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 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 interferene 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 undersired 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.

Limited Warranty

Vision Guarantees that every flood sensor 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 addional devices, plesae visit us at www.visionsecurity.com.tw

ZF5201-5	V1	1040515	6B1Z-52002

The Ultimate in Security & Automation

Installation & Operation Manual

ZF 5201 IN-5
ZF 5201 MY-5
ZF 5201 EU-5
ZF 5201 RU-5
ZF 5201 US-5
ZF 5201 IL-5
ZF 5201 KR-5
ZF 5201 HK-5
ZF 5201 JP-5
ZF 5201 BR-5

Flood Sensor

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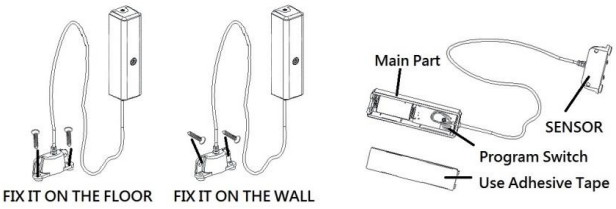
Introduction

Thanks for choosing the Vision's flood/water sensor of the home security device. This sensor 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. Every main powered Z-Wave enabled devices act as a signal repeater and multiple devices result in more possible transmission routes which helps eliminate "RF dead-sports"

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 sensor sends Z-Wave™ signal while detecting water. The sensor can be put under the refrigerator, and it will trigger while detecting the leaking water. You can also install the sensor at anywhere it leaks; with this sensor you can avoid loss before it flood. When the device is secure included into Z-Wave network, above communication will be encrypted.

Product Description and Specification



Specification:	Package Content:
Protocol: Z-Wave™ (ZM5202)	1pc ZF 5201 sensor
Frequency Range:	1pc CR123A Battery
865.22 MHz (ZF5201IN-5)	1pc Installation & Operation manual
868.10 MHz (ZF5201MY-5	2pcs Adhesive tape for main unit
868.42 MHz (ZF5201EU-5)	2pcs Screws for bracket of main unit
869.00 MHz (ZF5201RU-5)	2pcs Screws for sensor
908.42 MHz (ZF5201US-5)	
916.00 MHz (ZF5201IL-5)	
919-923 MHz (ZF5201KR-5)	
919.80 MHz (ZF5201HK-5)	
922 ~926MHz (ZF5201JP-5)	
921.42 MHz (ZF5201BR-5)	
Operating Range: Up to 100 feet line of sight	
Operating Temp.: -15°C~ 60°C (5°F ~140°F)	

Z-Wave Command Classes:

COMMAND_CLASS_ASSOCIATION_V2
COMMAND_CLASS_ASSOCIATION_GRP_INFO
COMMAND_CLASS_BATTERY
COMMAND_CLASS_DEVICE_RESET_LOCALLY
COMMAND_CLASS_FIRMWARE_UPDATE MD_V2

COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
COMMAND_CLASS_NOTIFICATION_V4
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_SECURITY
COMMAND_CLASS_VERSION_V2
COMMAND_CLASS_WAKE_UP_V2
COMMAND_CLASS_ZWAVEPLUS_INFO_V2

Status Report:	Alarm Type	Alarm Level	Notification Type	Notification Event
Sensor be triggered	0x05	0xFF	0x05	0x02
Sensor Not Triggered	0x05	0X00	0x05	0x00
Cover opened	0x07	0XFF	0x07	0x03
Cover closed	0x07	0X00	0x07	0x00

Installation

Notice: If you install the entire Z-Wave™ system for the first time, please refer to the installation guide of Z-Wave™ Interface Controller before installing ZF5201. For the first time powers on, it will do auto-inclusion to the controller.

1. Fix the sensor on location you want, using the screws to fix it on the wall or floor.
2. Unscrew the screw fastening the rear cover and slide the rear cover down of main part and Insert a CR123A battery into the battery compartment and LED will start to flash slowly, which means the sensor has not yet been "inclusion".
3. For **"Inclusion"** in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the ZF5201 to the controller. To get in the "inclusion" mode, the distance between sensor and controller is suggested to be in one meter. Press the program switch of ZF5201 for 1 second at least. The LED on the ZF5201 should go solid, if not, please try again.

   For **"Exclusion"** from (removing from) a network: Put the Z-Wave™ Interface Controller into "exclusion" mode, and following its instruction to delete the ZF5201 from your controller. Press the program switch of ZF5201 for 1 second at least to be excluded.

   For **"Association"**: removing the cover of the ZF5201to get into the "Awake" mode, then put the Z-Wave™ Interface Controller into "Association", and following its instruction to associate the ZF5201 with other device. Close the cover back after "association" done, afterward the ZF5201 will get into "Sleep" mode for power saving. Support grouping identifier. Also support one association group (5 nodes). "Association" is used for other grouping devices chain reaction.

   "Awake" mode: it is to leave the "Sleep" mode by removing the cover of ZF5201, to allow the Z-Wave™ Interface Controller to do "Inclusion", "Exclusion", "Association" and to reply and receive the commands from controller.
4. Slide back the rear cover and screw fastening with the front cover of main part, the LED should go off.
5. Put the main part at higher place for better RF range, and then use the adhesive tape to fix the main part on the wall.

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