

NOTE: The LED will stay on till the signal output completely stop!!!

7. For "**Association**": Use Association to set up the reporting node after triggering. Put the Z-Wave™ Interface Controller into "association", and following its instruction to associate the ZW4111 with other devices. .Support one association group (5 nodes).
8. For "**Power On Curtain Address**": The curtain will address to the top position.
9. For "**Auto Report Curtain Address**": The curtain will stop the performance and auto report curtain's position.
10. Support Repeater Function.
11. Support Explorer Frame Function.
12. Support OTA Firmware update from controller. Please refer to your controller manual. We recommend to exclusive the device & include again before use the device.
13. Security enabled_ Z-Wave controller must be used to fully utilize the product.
14. LIFELINE_GROUP
{COMMAND_CLASS_SWITCH_MULTILEVEL_V3, SWITCH_MULTILEVEL_REPORT_V3}
{COMMAND_CLASS_DEVICE_RESET_LOCALLY, DEVICE_RESET_LOCALLY_NOTIFICATION}
15. **Factory Default Reset**: Press Program Switch and power on till 5 seconds, ZW4111 will send the "Device Reset Locally Notification" command and reset to the factory default. (Remark: This is to be used only in the case of primary controller being inoperable or otherwise unavailable.)
16. All the rest commands depend on Z-Wave standard.

Operation

Close or open the curtain that attached to ZW4111 by Z-Wave™ Interface Controller , or manually press the button switch on the curtain.

Federal Communications Commission Statement

This equipment has been followed 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 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 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.

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 Curtain Control Module is free from physical defects in material and workmanship under normal usage 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 usage; (2) units which have been repaired, taken apart, or modified by an unauthorized personnel; (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 us at www.visionsecurity.com.tw



Installation & Operation Manual

ZW 4111IN-5
ZW 4111MY-5
ZW 4111EU-5
ZW 4111RU-5
ZW 4111US-5
ZW 4111IL-5
ZW 4111KR-5
ZW 4111HK-5
ZW 4111JP-5
ZW 4111BR-5

Z-Wave Curtain Control Module, Screw Terminal

Introduction

Thanks for choosing the Vision's curtain control module of the home automation device. This module 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 mains powered Z-Wave enabled device acts as a signal repeater and multiple devices result in more possible transmission routes which helps eliminate "RF dead-spots"

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. Users easily control the curtain to open and close by sending Z-Wave™ signal from Z-Wave™ Interface Controller. This module will send open/close signal to the appliance that attached to this module by receiving Z-Wave™ signal from controller or manually switch. Our special design the curtain not only can be opened and closed but also can be stopped under the Multilevel Switch command on the controller. When the device is secure included into Z-Wave network, above communication will be encrypted. This module also acts as repeater (supporting FLiRS devices).

Product Description and Specification

For Indoor use only

Specification:	Package Content:
Protocol: Z-Wave™ (ZM5202)	1pc ZW 4111 Curtain Control Module
Frequency Range:	1pc Installation & Operation Manual
865.22MHz (ZW 4111 IN-5)	
868.10MHz (ZW 4111 MY-5)	
868.42MHz (ZW 4111 EU-5)	
869.00MHz (ZW 4111 RU-5)	
908.42MHz (ZW 4111 US-5)	
916.00MHz (ZW 4111 IL-5)	
919~923MHz (ZW 4111 KR-5)	
919.80MHz (ZW 4111 HK-5)	
922~926MHz (ZW 4111 JP-5)	
921.42MHz (ZW 4111 BR-5)	
Operating Range: Up to 100 feet line of sight	
Operating Temp.: -10°C ~ 60°C (-14°F ~ 140°F)	
Operating Voltage: 100 ~ 230V	
Maximum Load: 1100W (110V) / 2200W (220V)	

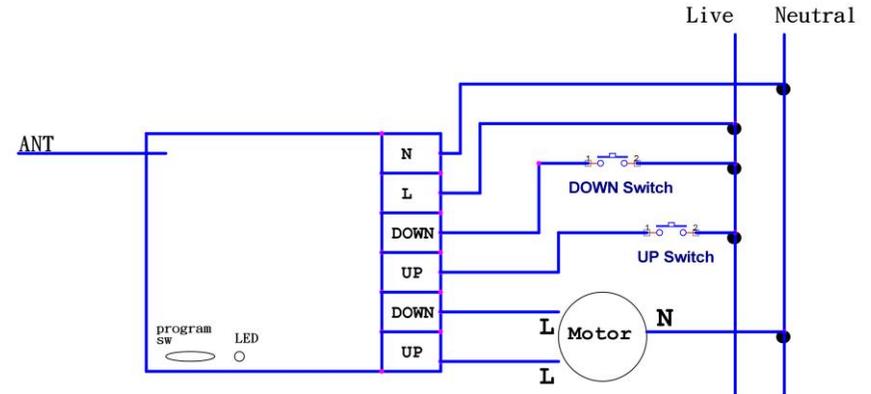
Z-Wave™ Command Classes:

COMMAND_CLASS_ASSOCIATION_GRP_INFO
 COMMAND_CLASS_ASSOCIATION_V2
 COMMAND_CLASS_DEVICE_RESET_LOCALLY
 COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2
 COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
 COMMAND_CLASS_POWERLEVEL
 COMMAND_CLASS_SECURITY
 COMMAND_CLASS_SWITCH_BINARY
 COMMAND_CLASS_SWITCH_MULTILEVEL_V3 (Mapping COMMAND_CLASS_BASIC)
 COMMAND_CLASS_VERSION_V2
 COMMAND_CLASS_ZWAVEPLUS_INFO

Installation

Notice: 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 ZW 4111 Curtain Module.

1. Connect the following wires with curtain's manual switch or switch's signal. User can skip switch if it is not necessary.



2. **LED Status:**
 Not Included: FLASH
 Included : OFF (Curtain Activated: ON / Curtain Stopped: OFF)
3. For **"Inclusion"** in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the ZW4111 to your controller. To get in the "inclusion" mode, press the program switch 3 times or outer switch 1 / switch 2 to be included.
 NOTE: The red LED will flash if ZW4111 has not been included before or the red LED will be OFF.
 For **"Exclusion"** from (removing from) a network: Put the Z-Wave™ Interface Controller into "exclusion" mode, and following its instruction to delete the ZW 4101 / ZW4111 from your controller. Press the program switch or outer switch 1 / switch 2 3 times to be excluded.
4. For **"Learn Mode"**:
 1. Proceed the motor's initial setting for Limit Head to Limit Bottom first, our ZW4111 could learn the total distance between Up and Down (or Left and Right).
 2. After inclusion, press outer Switch1 (refer to above drawing) three times then press Switch2 (refer to above drawing) three times continuously within 5 seconds to active the learning mode.
NOTE: Every new installation must proceed the learn mode to reset the value.
5. For **"Basic Control"** & **"Binary Switch Control"**: Use "Mapping Multilevel Switch Control" to control curtain's position.

	BASIC CONTROL	BINARY SWITCH CONTROL
UP	Basic Set (0x63 or 0xFF)	Binary Switch Set (0xFF)
DOWN	Basic Set (0x00)	Binary Switch Set (0x00)
SPECIFIC POSITION	Basic Set (0x01 ~ 0x62) (The curtain's position could be specific assigned.)	

NOTE: The LED will stay on till the signal output completely stop!!!

6. For **"Multilevel Switch Control"**:

	MULTILEVEL SWITCH CONTROL
UP	Multilevel Switch Set (0x63 or 0xFF) Or Switch Multilevel Start Level Change (UP)
DOWN	Multilevel Switch Set (0x00) Or Switch Multilevel Start Level Change (DOWN)
STOP	Switch Multilevel Stop Level Change Or Switch Multilevel Start Level Change (No UP/DOWN)
SPECIFIC POSITION	Multilevel Switch Set (0x01 ~ 0x62) (The curtain's position could be specific assigned.)