

Operation

1. Close or open the curtain that attached to ZW4101 or ZW4102 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 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 undesired 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

ZW4101/4102	V0	1030318	6B1Z-41001
-------------	----	---------	------------



Installation & Operation Manual

ZW 4101IN
ZW 4101EU
ZW 4101RU
ZW 4101US
ZW 4101IS
ZW 4101BR
ZW 4101JP
Z-Wave Curtain Control Module, Signal Output

ZW 4102IN
ZW 4102EU
ZW 4102RU
ZW 4102US
ZW 4102IS
ZW 4102BR
ZW 4102JP
Z-Wave Curtain Control Module, Relay Output

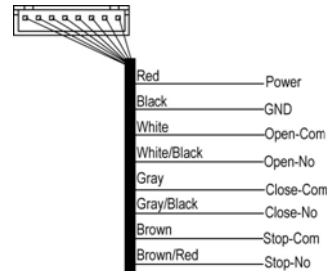
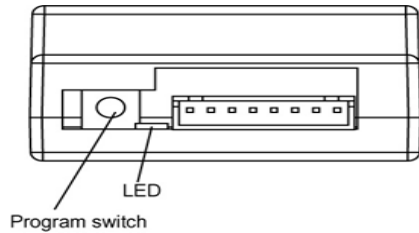
Introduction

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. 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-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. 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. This module also acts as repeater (supporting FLiRS devices).

Product Description and Specification

*** For indoor use only ***



Specification:

Protocol: Z-Wave™ (ZM3102N)
Frequency Range:

865.22MHz (ZW4101IN/ZW 4102 IN)
868.42MHz (ZW 4101EU/ZW 4102 EU)
869.00MHz (ZW 4101RU/ZW 4102 RU)
908.42MHz (ZW 4101US/ZW 4102 US)
916.00MHz (ZW 4101IS/ZW 4102 IS)
921.42MHz (Z W 4101BR/ZW 4102 BR)
920-928Mhz (ZW4101JP/ZW 4102 JP)

Operating Range: Up to 100 feet line of sight
Operating Temp.: -15°C~ 60°C (5°F ~140°F)
Operating Voltage: 12V
Current Consumption: 25mA

ZW4101 Signal Output:

OPEN output: -VE, 100mA (max)
CLOSE output: -VE, 100mA (max)
STOP output: -VE, 100mA (max)

ZW4102 Relay Output:

Relay Normal Output: 14VDc, 5A (max)

OPEN output: 14VDc, 5A (max)

CLOSE output: 14VDc, 5A (max)

STOP output: 14VDc, 5A (max)

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 4101 / ZW 4102 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.

Wire Color	ZW 4101	ZW 4102
RED	POWER	POWER
BLACK	GROUND	GROUND
WHITE	OPEN SIGNAL OUTPUT	OPEN RELAY-COM
WHITE/BLACK	X	OPEN RELAY-NO
GRAY	CLOSE SIGNAL OUTPUT	CLOSE RELAY-COM
GRAY/BLACK	X	CLOSE RELAY-NO
BROWN	STOP SIGNAL OUTPUT	STOP RELAY-COM
BROWN/RED	X	STOP RELAY-NO

2. For "**Inclusion**" in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the ZW 4101 / ZW4102 to your controller. To get in the "inclusion" mode, the distance between module and controller is suggested to be in one meter. Press the program switch on the module once to be included.

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 / ZW4102 from your controller. Press the program switch on the module once to be excluded.

Note: LED setting light will flash (RED) continuously in Exclusion condition.

3. Z-Wave™ Command Class
COMMAND_CLASS_BASIC (Mapping COMMAND_CLASS_SWITCH_MULTILEVEL)
COMMAND_CLASS_CONFIGURATION
COMMAND_CLASS_MANUFACTURER_SPECIFIC
COMMAND_CLASS_SWITCH_BINARY
COMMAND_CLASS_SWITCH_MULTILEVEL_V3
COMMAND_CLASS_VERSION
4. Under the basic command, Status of "ON" (Basic Set,0xFF), Curtain to be opened. Status of "OFF" (Basic Set,0x00), Curtain to be closed.
5. Configuration command class: Parameter 1: Up output time, 1 byte value=1~255 seconds; Parameter 2: Stop output time, 1 byte value=1~255 seconds; Parameter 3: Down output time, 1 byte value=1~255 seconds.
6. Keeping press program switch for 5 seconds, curtain will reset back to factory preset