

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 interference by one of the following measures:

Reorient or relocate the receiving antenna,
Increase the separation between the equipment and receiver,
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 wireless lighting module 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 us at www.visionsecurity.com.tw

ZL 7261/7201	V3	1031007	6B1Z-72003
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Operation Manual

ZL 7261 CL-5
ZL 7261 CN-5
ZL 7261 DE-5
ZL 7261 FR-5
ZL 7261 IT-5
ZL 7261 JP-5
ZL 7261 KR-5
ZL 7261 RU-5
ZL 7261 US-5

Z-Wave Power Monitor

ZL 7201 CL-5
ZL 7201 CN-5
ZL 7201 DE-5
ZL 7201 FR-5
ZL 7201 IT-5
ZL 7201 JP-5
ZL 7201 KR-5
ZL 7201 RU-5
ZL 7201 US-5

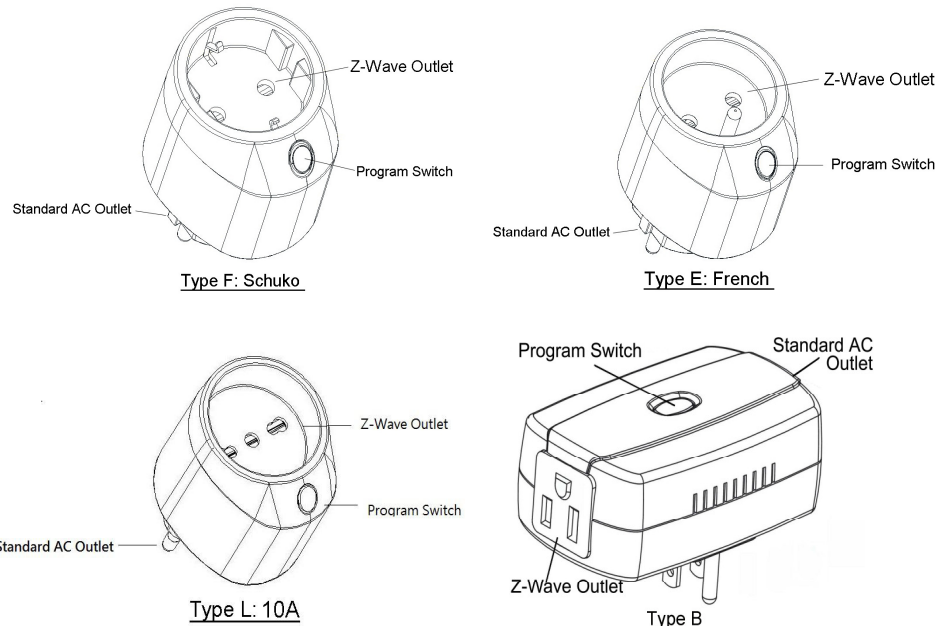
Z-Wave On/Off Module

Introduction

Thanks for choosing the Vision's Power Monitor or On/Off Module of the home automation device. This Power Monitor or On/Off 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 main powered Z-Wave™ enabled device acts as a signal repeater and multiple devices result in more possible transmission routes, which helps eliminate "RF dead-spot".

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 module will send On/Off signal to the appliance that attached to this module by receiving Z-Wave™ signal from controller or manually switch. It also sends the energy consumption (ZL7261 only) to the controller when it requests. With special design, this module won't interfere the other power outlet when plug into the AC outlet. This module also acts as repeater (supporting FLIRS).

Product Description and Specification



Specification:	Package Content:
Protocol: Z-Wave™ (ZM5202) Frequency: 868.42 MHz (ZL7201CN/DE/FR/IT / ZL7261CN/DE/FR/IT) 869.00 MHz (ZL7201RU / ZL7261RU) 908.40 MHz (ZL7201CL/US / ZL7261CL/US) 919.70 MHz (ZL7201KR / ZL7261KR) 922-926MHz (ZL7201JP / ZL7261JP) Operating Temp. -15°C~ 60°C (-5°F~ 140°F) Operating Voltage: AC 100V~230V Operating Range: Up to 100 feet (about 30m) Data Rate: Up to 9.6k/40k/100kbps Application: Indoor use Max Loading	1pc Power Monitor or On/Off Module 1pc User Manual

Type B: 110V/15A/1600W (Resistive) 220V15A/3200W (Resistive) Type E, F & L: 230V/10A/2300W (Resistive)	
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Z-Wave™ Command Class:

COMMAND_CLASS_APPLICATION_STATUS
 COMMAND_CLASS_ASSOCIATION_GRP_INFO
 COMMAND_CLASS_ASSOCIATION_V2
 COMMAND_CLASS_CONFIGURATION
 COMMAND_CLASS_DEVICE_RESET_LOCALLY
 COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2
 COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
 COMMAND_CLASS_METER_V4 (ZL7261 only)
 COMMAND_CLASS_POWERLEVEL
 COMMAND_CLASS_PROTECTION (ZL7201 only)
 COMMAND_CLASS_SECURITY
 COMMAND_CLASS_SWITCH_ALL
 COMMAND_CLASS_SWITCH_BINARY mapping COMMAND-CLASS_BASIC
 COMMAND_CLASS_VERSION_V2
 COMMAND_CLASS_ZWAVEPLUS_INFO

Operation

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 **ZL7261 or ZL7201**.

- For "**Inclusion**" in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and following its instruction to add the **ZL7261 or ZL7201** into your controller. To get in the "Inclusion" mode, the distance between **ZL7261 or ZL7201** and controller is suggested to be in one meter. By power up to get included for first time, or press the Program switch **3 times within 2 seconds to be included**.

For "**Exclusion**" from (removing from) a network: Set up the Z-Wave™ Interface Controller into "exclusion" mode, and following its instruction to delete the **ZL7261 or ZL7201** from your controller. Press the Program Switch **3 times within 2 seconds to be excluded**.

For "Association": the Z-Wave™ interface controller set "Association", and following its instruction to associate the **ZL7261 or ZL7201** with other device. Support one group (5 nodes). **ZL7261 or ZL7201** will report back every time ON and OFF status, also it will reports every notification to all devices in the association group.

- For "Meter Supported Get" (ZL7261 only): the Z-Wave™ Interface Controller or Gateway can send "Meter Get" command with any of the following supported scales, and the ZL7261 will report back with the energy consumption values for the requested scale:
 Scale: 0x00-kWh(Default);
 0x01-kVAh
 0x02-W
 0X04-V
 0X05-A
 0X06-Power Factor.

3. LED visual indication:

Excluded	Red and Green LED flashing separately	
Included	Switch ON Red, Switch Off Green	ZL7201 only
Energy	0 ~ 5 AMP Green 5 ~ 10 AMP Orange 10 ~ 15 AMP Red	ZL7261 Type B plug only
	0 ~ 3 AMP Green 3 ~ 7 AMP Orange 7 ~ 10 AMP Red	ZL7261 all other plug only

4. Manually turn the connected appliance On/Off by your controller or pressing the Program Switch. This is toggle switch. If the connected appliance is OFF, pressing the Program Switch turns the connected appliance ON and vice versa.
5. The on/off function uses the Z-Wave Switch Binary Command Class (or Basic Command Class) to control its operation. Sending a switch binary set command with a level of 0 (0x00) will turn off the device, and sending a level of 255 (0xFF) will turn on the device.
6. Repeater Function: This device acts as a repeater for the Z-Wave mesh network functionality.
7. Support Meter Auto Report Function (ZL7261 only)

8. Configuration (ZL7261 only):

	Parameter	Size	Value	Notes
Auto report timing	1	1 byte	60~255 seconds (Default 60 seconds)	Report kWh/kVAh
Report when Watt change	2	2 byte	5-3600 watt for Type B plug 5~2300 watt for all other plug (Default 50 watt)	Report V.A.W

9. Protection function (ZL7201 only)

Protection State	Program Switch	Notes
0x00	1 times	(Default)
0x01	4 times	Within 2 seconds
0x02	Off	

10. Reset: Press the Program Switch then power on (plug-in) and hold for 5 seconds before release the switch. Only use this procedure when the primary controller is lost or otherwise inoperable.

11. Support OTA (Over-the Air) Firmware update from controller. Please refer to your controller manual. Once OTA function success, please make sure to exclude the device & include again before using the device.
12. Overload Protection: If load is excess 15.5A for Type B plug or 10.5A for all others, then relay will automatically cut off. To restore the relay, please power off & power on the device again.