Program Switch

Z-Wave Outlet

Type B

Specification:	Package Content:

Protocol: Z-Wave™
Frequency Range:
    908.4MHz (ZL7201US-8)
    912MHz (Z L7201USLR-8)
    868.4MHz (Z L7201EU-8)
    921.4MHz (Z L7201BR-8)
    865.2MHz (Z L7201IN-8)
    916MHz (Z L7201IL-8)
    869MHz (Z L7201RU-8)
    922~926MHz (Z L7201JP-8)
    920~923MHz (Z L7201KR-8)
Operating Range: Up to 100 feet (about 30M)
Operating Temp.: -15°C~ 60°C (-5°F ~140°F)
Operating Voltage: AC 100V~230V
Data Rate: Up to 9.6k/40k/100kbps
Application: Indoor use
Max Loading
    Type B: 110V/15A/1600W (Resistive)
            220V15A/3200W (Resistive)
	1pc On/Off module

ZL7201-8	V0	1130424

VISION®

The Ultimate in Security & Automation

Installation & Operation Manual

ZL 7201 US-8

ZL 7201 USLR-8

ZL 7201 EU-8

ZL 7201 JP-8

ZL7201 BR-8

ZL 7201 IN-8

ZL 7201 IL-8

ZL 7201 RU-8

ZL 7201 KR-8

Z-Wave On/Off Module

Thanks for choosing the Vision's On/Off Module of the home automation device. This plug is a Z-Wave Plus™ V2 enabled device that plugs into a standard wall outlet. It is fully compatible with any Z-Wave™ enabled network and its security framework. Plug electronic device into the plug which can be turned it on and off from an app.

Z-Wave Plus enabled devices displaying the Z-Wave Plus™ logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave Plus 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. This product features lower power consumption, longer operating distance and battery life, improved RF communication. When the device is secure included into Z-Wave network, above communication will be encrypted.

Limited Warranty

Vision Guarantees that every On/Off 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 addtional devices, please visit us at www.visionsecurity.com.tw

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.

COMMAND CLASS NAME	VERSION	REQUIRED SECURITY CLASS
APPLICATION_STATUS	1	None
ASSOCIATION	2	S0´or S2
ASSOCIATION GROUP INFO	3	S0´or S2
SWITCH BINARY	1	S0´or S2
CONFIGURATION	4	S0´or S2
DEVICE RESET LOCALLY	1	S0´or S2
FIRMWARE UPDATE MD	5	S0´or S2
INDICATOR	3	S0´or S2
MANUFACTURER SPECIFIC	2	S0´or S2
MULTI_CHANNEL_ASSOCIATION	3	S0´or S2
POWERLEVEL	1	S0´or S2
SECURITY	1	None
SECURITY_2	1	None
SUPERVISION	1	None
TRANSPORT_SERVICE	2	None
VERSION	3	S0´or S2
ZWAVEPLUS_INFO	2	None

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 ZL7201.

LED Status :
- Excluded: LED flashes 5 times
- Included: LED flashes 1 time.

❶ For **"Inclusion"** in (adding to) a network: Put the Z-Wave™ Interface Controller into "inclusion" mode, and follow its instruction to add the ZL7201 to your controller. To get in the "inclusion" mode, press the program switch at least 3 seconds for sending the NIF. The device sends NIF for about 30 seconds and stops sending signal.

[Adding device via SmartStart]
SmartStart simplifies the installation and setup process by having a user scan the sensor's SmartStart QR code via smartphone. Please refer to the inclusion controller's manual for activating SmartStart. When a sensor is powered and not included, it will go into SmartStart inclusion mode. While in this mode, the sensor can be added to a Z-Wave controller that supports SmartStart.

❷ For **"Exclusion"** from (removing from) a network: Put the Z-Wave™ Interface Controller into "exclusion" mode, and follow its instruction to delete the ZL7201 from your controller. To get in the "exclusion" mode, press the program switch at least 3 seconds for sending the NIF to be excluded.

❸ **Association:**
* Support one group with 5 nodes
* Group 1 = Binary Switch, Reset Locally, Indicator

* All triggering reports will be sent to the associated nodes
* "Association" is used for setting report address after the device is triggered.
* The Group will support 1*node, after activating the LR (Long Range) function.

❹ On / Off control:
Manually turn the connected appliance On/Off by your controller or press the Program Switch. This is toggle switch. If the connected appliance is OFF, press the Program Switch to turns the connected appliance ON and vice versa.

Use the Z-Wave Binary Switch Command Class (or Basic Command Class) to control its operation. Send a binary switch set command 0x00 will turn off the device; otherwise, send a binary switch set command 0xFF will turn on the device.

❺ Repeater Function: This device acts as a repeater for the Z-Wave mesh network functionality.

❻ Factory Default Reset:
Press the Program Switch to power on (plug-in) and hold for 10 seconds. ZL7201 will send the "Device Reset Locally Notification" command and start to reset the factory default.
(Remark: This is to be used only in the case of primary controller being inoperable or otherwise unavailable.)

❼ Support OTA Firmware update from controller. Please refer to your controller manual. Once OTA function is succeeded, start to proceed the factory default reset is recommended.

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

❾ Support SmartStart
The DSK label will be on the backside of ZL7201. Scan the DSK label to access the SmartStart if gateway 's UI supports SmartStart. (Remark: The QR code is for use with Z-Wave SmartStart by using "DSK," "Device Specific Key," "PIN," or "PIN code," etc.)

❿ Support Explorer Frame Function

⓫ All the rest commands depend on Z-Wave standard

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

Report Retry Count

	Size	Value	Default
Parameter 1	1	0~5	0

User can change the value from 0 to 5 times to set the notification resend times in case the controller has no acknowledgement after sending the Binary Switch Report.