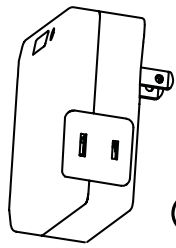


## INSTALLATION INSTRUCTIONS



# ZW1P

## Wireless Lighting Control Plug-in Lamp Dimming Module



### ◆ SPECIFICATIONS

Voltage.....	120VAC, 60Hz
Maximum Load requirements:	
Incandescent.....	300W
Resistive.....	1800W
Frequency.....	908.42 MHz
Operating Temperature.....	32-104° F
Range.....	Up to 100 feet line of sight between the Wireless Controller and the closest Z-Wave receiver module.

### ◆ FEATURES

- Z-Wave controlled AC outlet
- Provides manual and remote control
- Blue LED show feedback from the controller
- Ease of installation(no new wiring)
- Compatible with other Z-Wave<sup>®</sup> enabled devices

### ◆ DESCRIPTION

This lamp dimming module is a Z-Wave<sup>®</sup> enabled device and is fully compatible with any Z-Wave<sup>®</sup> enabled network. Z-Wave<sup>®</sup> enabled devices displaying the Z-Wave logo can also be used with it regardless of the manufacturer. In a Z-Wave<sup>®</sup> network, each device is designed to act as a wireless repeater. Repeaters will retransmit the RF signal from one device to another until the intended device is reached. This ensures that the signal is received by its intended destination by routing the signal around obstacles and radio dead spots.

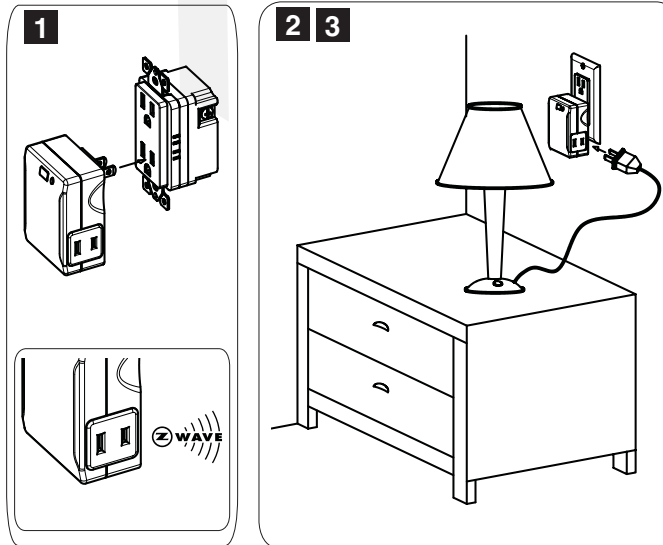
## WARNINGS AND CAUTIONS

To be installed and/or used in accordance with appropriate electrical codes and regulations. Exercise extreme caution when using Z-Wave devices to control appliances. Operation of the Z-Wave device may be in a different room than the controlled appliance, also an unintentional activation may occur if the wrong button on the remote is pressed. Z-Wave devices may automatically be powered on due to timed event programming. Depending upon the appliance, these unattended or unintentional operation could possibly result in a hazardous condition.

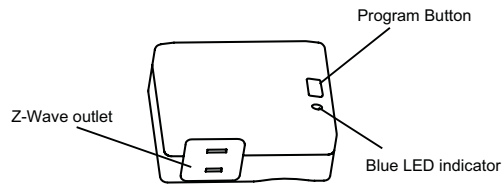
If you are unsure or uncomfortable about performing the installation, please consult a qualified electrician.

### ◆ INSTALLATION

1. Plug the ZW1P Lamp Dimming Module into a 120VAC,60HZ outlet.
2. Plug the lamp into the ZW1P Lamp Dimming Module. Make sure the lamp to be controlled does not exceed 300 Watts.(Not for use with fluorescent lights, motor loads, or magnetic or electronic transformers.)
3. Turn the knob or switch on the lamp to the ON position.



### ◆ OPERATIONS



### Basic Operation

The connected light can be turned ON in two ways:

1. With a Z-wave remote.
2. Manually with the program button on the Z-Wave module.

### Remote Control

Z-Wave remotes provide control of an Individual device, Groups of devices and Scenes. Please refer to your remote control's instructions for detail on its capabilities and instructions for adding and controlling devices.

### Manual Control

The Front Panel Program Button on the ZW1P dimming module allows the user to:

- 1.To manually turn ON the ZW1P Lamp Dimming Module, press and release the program button.The blue indicator LED will turn ON, and the lamp plugged into the ZW1P Lamp Dimming Module will also turn ON.
- 2.To manually turn OFF the ZW1P Lamp Dimming Module, simply press and release the program button. The blue indicator will turn OFF and the lamp plugged into the ZW1P Lamp Dimming Module will also turn OFF.
- 3.To manually dim the ZW1P Lamp Dimming Module, press and hold the program button until the desired lighting level has been reached.
4. Refer to the instruction for your primary controller to access the setup function and include or exclude devices.

### ADVANCED OPERATION

The following Advanced Operation parameters require that you have an advanced controller. However, basic remotes do not have this capability.

#### All On/All Off

Depending upon your primary controller, the ZW1P dimming module can be set to respond to ALL ON and ALL OFF commands in up to four different ways. Some controllers may not be able to change the response from its default setting. Please refer to your controller's instructions for information on whether or not it supports the configuration function and if so, how to change this setting.

#### The four possible responses are:

- It will respond to ALL-ON and the ALL-OFF command (default).
- It will not respond to ALL-ON or ALL-OFF commands.
- It will respond to the ALL-OFF command but will not respond to the ALL-ON command.
- It will respond to the ALL-ON command but will not respond to the ALL-OFF command

### ◆ WIRELESS RANGE

This device complies with the Z-Wave standard of open-air, line of sight transmission distances of 65 feet. Actual performance in a home depends on the numbers of walls between the remote controller and the destination device, the type of construction and the number of Z-Wave enabled devices installed in the control network.

#### Things to consider regarding RF range:

- Each wall or obstacle (i.e.:refrigerator, big screen TV, etc.)between the remote or a Z-Wave device and the destination device will reduce the maximum range by approximately 25-30%.
- Brick, tile or concrete walls block more of the RF signal than walls made of wooden studs and plasterboard (drywall).
- Wall mounted Z-Wave devices installed in metal junction boxes will suffer a significant loss of range (approximately 20%) since the metal box blocks a large part of the RF signal.

## INSTALLATION INSTRUCTIONS

### Effects of Home Construction on Wireless Range Between Z-Wave Enabled Devices.

**Note:** The distances shown in the table below are typical examples. Actual performance in your home will vary .

From the Remote (or repeating Z-Wave module) to destination device:					
Type of Construction		Wood Frame with Drywall		Brick, Tile or Concrete	
		Plastic J-Boxes*	Metal J-Boxes	Plastic J-Boxes*	Metal J-Boxes
Number of Walls or Obstacles	0**	100'	80'	100'	80'
	1	70'	56'	60'	48'
	2	49'	39'	36'	29'
	3	34'	27'	21'	17'

### Restoring Factory Defaults

All Configuration Parameters can all be restored to their factory default settings by using your primary controller to reset the device.

**Troubleshooting:** Verify that the lamp wattage does not exceed the 300W rating if the module doesn't seem to work properly. Normal operation can be restored by remote when the load is reduced to the proper rating.

### Over-Current Protection

Additional over-current protection is provided by an internal fuse which is not user serviceable. Check your home's circuit breakers before concluding that the product must be replaced.

#### ◆ WARRANTY INFORMATION

Our company warrants its products to be free of defects in materials and workmanship for a period of two (2) years. There are no obligations or liabilities on the part of our company for consequential damages arising out of or in connection with the use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation or reinstallation.

Jun,2011

## **FCC STATEMENT**

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **FCC ID: ZZH-ZW1P**

NOTE: This equipment has been tested and found 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 instructions, 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 to correct the interference by one or more 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.