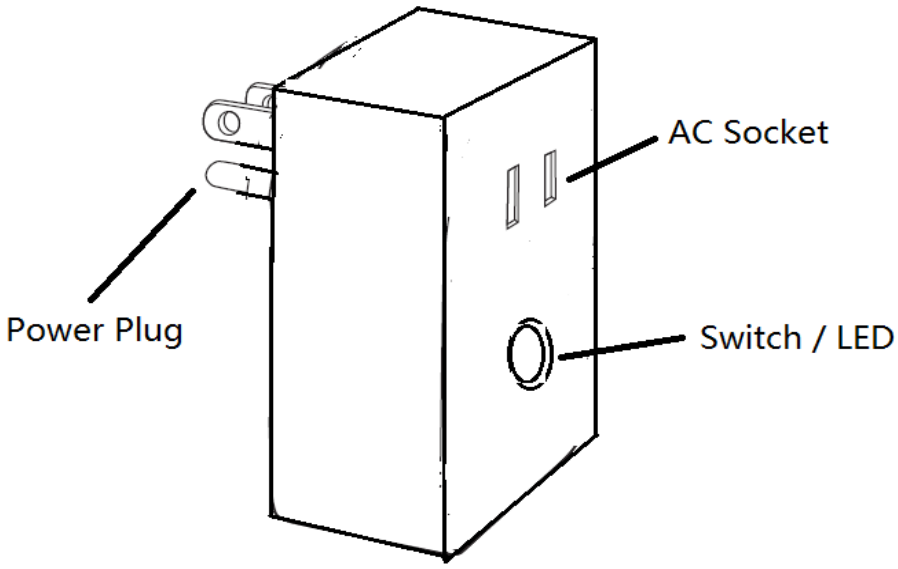
This product speaks with other Z-Wave certified devices

Wireless Lighting Control Module

PD-100
Plug In Dimmer/Lamp Module



INTRODUCTION

domitech™ PD-100 is a member of the Z-Wave® family and communicates with other Z-Wave certified devices in a control network. PD-100 can be used to turn any plug in lamps On, Off, or control dimming of any lamps with dimmable light bulbs. Each Z-Wave device also serves as a node to repeat the signal in the network, thus, extending the overall Z-Wave mesh wireless network range. Different types and brands of Z-Wave devices can be associated with domitech PD-100 in your system and they will work together to optimize and expand the coverage of your Z-Wave network. Once setup is completed, you can enjoy the convenience and leisure which PD-100 offers.

FEATURES

- Works with any AC operated lamps with incandescent and dimmable florescent(CFL) or LED light bulbs
- ON/OFF status and location LED indicator
- Can be controlled wirelessly or manually
- Tamper resistant screws
- GROUP/SCENE/ALL enabled
- Plug and play, simple setup
- Lightweight and compact. Does not block the second AC outlet.
- Grounded 3-pin AC power plug to enhance safety
- Over-The-Air firmware upgrade available with compatible gateway, Z-Wave static controller, PC and software
- Z-Wave 500 Series module inside
- Internal resettable fuse to protect from surge current
- Manual reset capability
- Adjustable dimming rate

! WARNING !

RISK OF FIRE, ELECTRICAL SHOCK & BURNS

DO NOT USE WITH MEDICAL AND LIFE SUPPORT INSTRUMENT

No user serviceable parts are in this module

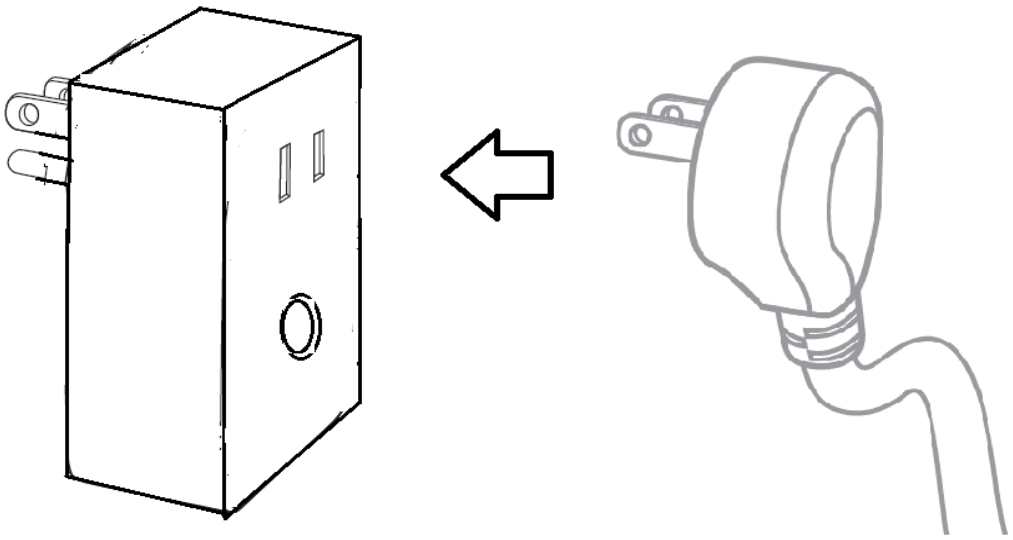
To minimize the risk of electric shock, the power plug of this module has a grounding pin which only fits into a grounding 3-prong electrical outlet. Please call a qualified electrician to replace the outlet if the plug does not fit into it. Do not attempt to change the plug in any way.

The lighting devices connected to this Z-Wave module must not exceed 2.5A, 300W incandescent, 100W dimmable CFL/LED.

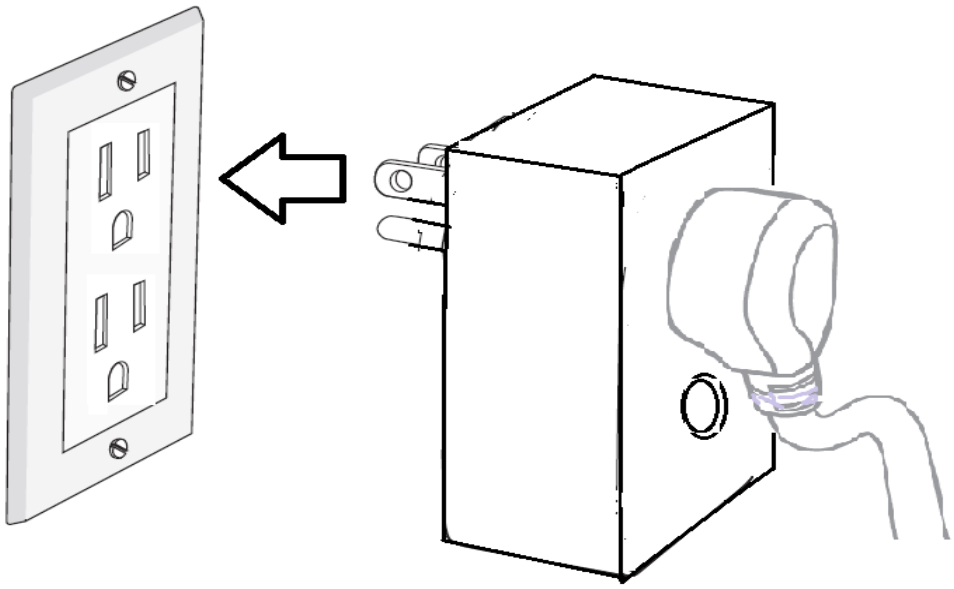
CAUTION: To Reduce the Risk of Overheating And Possible Damage To Other Equipment, Do Not Install To Control A Motor-Operated Appliance, A Non-Dimmable Fluorescent Lighting Fixture, Or A Transformer-Supplied Appliance

SETUP

Step 1. Plug the 2-pin AC power plugs of lighting device to the receptacle of PD-100



Step 2. Insert the module's 3-pin plug into an AC outlet of your preferred location. In normal operating mode, the LED on the front panel will be lit.



Step 3. Add(Include) the module into your network by a Z-Wave certified controller. Please refer to your gateway's or the controller's instructions manual for details.

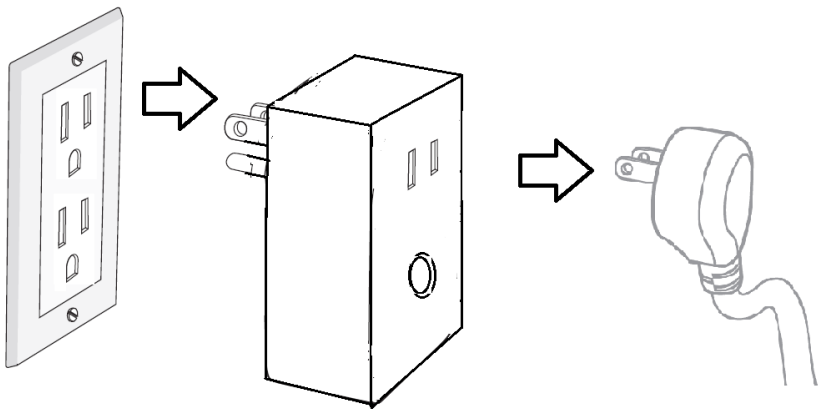
Normally, the sequence is as follows:

1. Initiate software to add a new device on your controlling device
2. When the controller's software is ready, single click the button on the front of PA-100
3. The controller's software should indicate that the new device was added successfully.

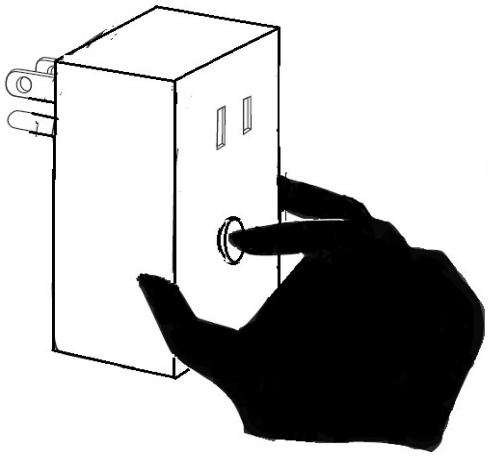
If the controller's software shows it was a fail, repeat the procedure.

Note: If Inclusion still failed after the 2nd attempt, you need to first reset the PD-100 before repeating the above step. The manual reset method is as follows,

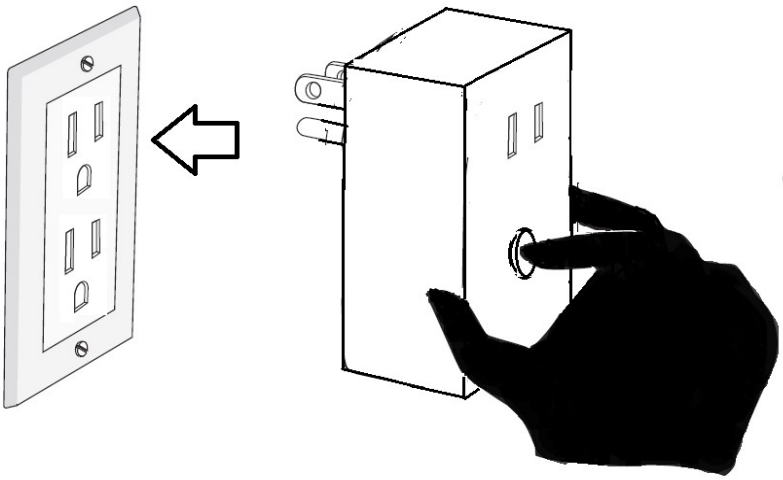
1. Unplug the PD-100 from the AC outlet and also unplug the power plugs of the lighting from the module (if plugged in)



2. Press and hold the button on the PD-100



3. Plug the PD-100 back into the AC outlet with the button pressed

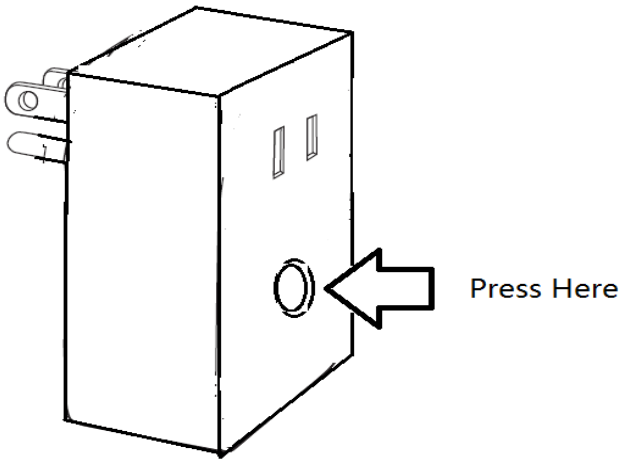


After 3 seconds, release the button. If you see the button blinks, that means that the PD-100 has been reset successfully and you may retry Step 3 above to add the module into your network. Otherwise, please repeat the manual reset procedures.

Note: if the PD-100 was previously Added(Included) in your network, resetting it locally does not mean it has been removed from your network. If you wish to remove PA-100 from your network you will need to Delete(Exclude) the module from the network by your controller.

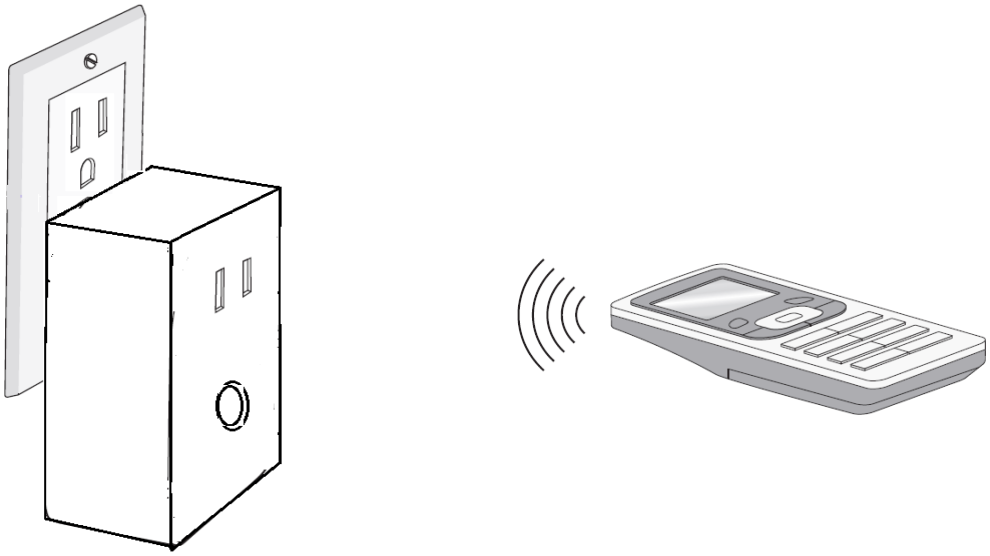
BASIC OPERATION

The connected lighting devices can be controlled manually with a push button



OR

Wirelessly with a remote controller



Once the PD-100 has been added to your network, you may assign it to a Group or Scene, change its status when the All ON or OFF command is received from the controller. It can also be set in Association with another Z-Wave device to perform a specific duty. Please refer to the instructions manual of your gateway or remote controller for detail procedures on how these functions can be set.

About the push button:

There is a single button on PD-100 for manual operation that:

A. Manually turns the connected lighting ON/OFF by pressing the button. It functions as a toggle switch; if the light is ON, pressing the button turns the light OFF and vice a versa.
B. Adjust the brightness level of the connected lighting by pressing and holding the

button. Release the button when the desired level is reached. It functions as a toggle switch as well. The lighting keeps dimming until the minimum level is reached or the button is released. When you press the button again and hold, the brightness of the light will keep increasing until the maximum level is reached or when the button is released.
C. Adds(Includes) or Deletes(Excludes) your PD-100 to/from your Z-Wave network. Please refer to the instructions manual of your gateway or remote controller for detail procedures on how these actions can be done.

This push button is also backlit with an LED indicator that will be On when the connected appliance is Off, and vice versa. The module may be easily spotted even in a gloomy environment. By changing the following configuration with your primary controller(if supported), 2 more options are available.

Parameter 3 Length: 1 Byte Valid Values: 0, 1 or 2 (default = 0)
When value = 1, the LED indicator will be ON when the connected appliance is ON, and the LED indicator will be OFF when the connected appliance is OFF
When value = 2, the LED indicator is always OFF regardless of the load condition

About dimming:

The time interval of brightness change between dimming up and down can be adjusted by changing the following configuration with a controller(if supported)

Parameter 9 (level) Length: 1 Byte Valid Values: 1-99 (default = 1), indicates the number of levels the lighting will change when the timer runs out.
Parameter 10 (timer) Length: 1 Byte Valid Values: 1-255 (default = 3), indicates the time duration of each level.

The resolution is 10 milliseconds. For example, a default value of 3 means the timer runs out every 30 milliseconds. Using the combinations of these 2 parameters, you can create a dim rate adjustment range as short as 10 milliseconds to a very slow dim rate.

About the Z-Wave 500 Series module:

You can use a Z-Wave certified portable or static controller to communicate with the module. Depending on the capability of your controller or gateway software, the following simple to advanced operations can be performed. Please refer to the controller or gateway manual for details.

1. Turn the lighting On/Off and to Dim or Brighten
2. Add(Include) or Delete(Exclude) your PD-100 to/from your network
3. Assign your PD-100 to a specific Group/Scene and/or to include your PD-100 as part of your All ON or OFF command
4. Over-the-Air firmware update by your gateway or static controller
5. Lifeline function which automatically notifies the associated modules and the network that a manually reset device is no longer in the network, thus, the corresponding association becomes invalid

Please note that the module will be OFF after a power failure

SPECIFICATIONS

Model: PD-100
Input power: 120 VAC, 60 Hz.
Max output loading: 2.5A, 300W Incandescent, 100W Dimmable CFL/LED

Radio frequency: 908.4 MHz/916 MHz.
Wireless range: up to 130 ft line of sight between the controller and the other available nodes.
Normal operating temperature: 77°F (25°C)
For indoor use only.

Interoperability with Z-Wave devices

A Z-Wave network can integrate devices from various classes of products, and these devices can be made by different manufacturers. The domitech product introduced in this instructions manual has a Z-Wave certification which guarantees such an interoperability.

FCC ID: 2ABWCPD100

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:

The 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 uses, generates and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. 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

Operation is subject to the following two conditions:
- This device may not cause interference
- This device must accept any interference, including interference that may cause undesired operation of the device.

Important Note: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Caution: Exposure to Radio Frequency Radiation. To comply with FCC/IC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

IC: 11786A-PD100

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Z-Wave is a registered trademark of Sigma Design

WARRANTY

domitech warrants to the original purchaser of this product that for the warranty period, this product will be free from material defects in materials and workmanship. The foregoing warranty is subject to the proper installation, operation and maintenance of the product in accordance with installation instructions and the operating manual supplied to customer. Warranty claims must be made by customer in writing within 30 days of the manifestation of a problem. domitech's sole obligation under the foregoing warranty is to repair, replace or correct any such defect that was present at the time of delivery, or to remove the product and to refund the purchase price to customer. The warranty does not extend to consequential or incidental damage to other products that may be used with this product. For inquiry and customer service, email to support@dragontechind.com

Warranty period: limited 1 year from date of purchase

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