Wireless Lighting Control ZDS-UD10 A01 Dimming Switch Module
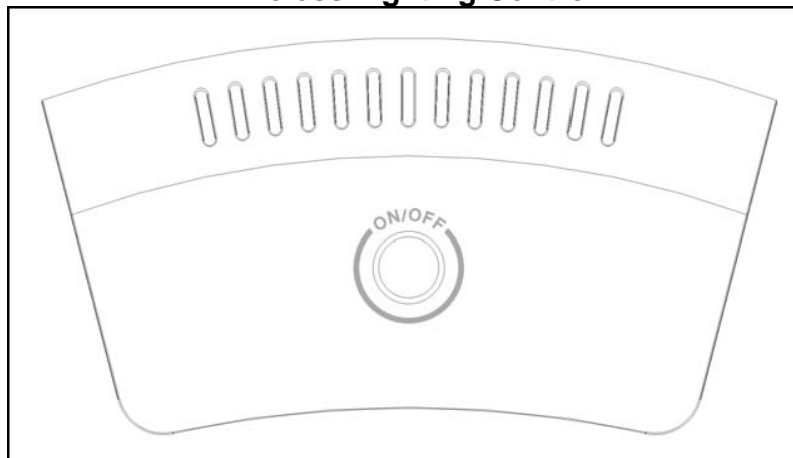
USER MANUAL Rev. 0

**Z-Wave ®Certified ®Certified
Wireless Lighting Control**

Introduction:

Thank you for choosing AMC (Airline Mechanical Co., Ltd) Z-Wave® control product. Our Z-Wave® enabled product allows user to remotely control lighting, home appliance, and make home control easy at low installation / maintenance cost. You may begin with a few Z-Wave® enabled devices or build up a complete home automation system with our products.

The AMC Plug-in Dimming Switch Lamp Module is a Z-Wave® enabled device and fully compatible with any Z-Wave® enabled network. It allows remote Dimming or On/Off control of specified lamps; Each module is designed to act as a repeater, which will re-transmit the RF signal to ensure that the signal is received by its intended destination by routing the signal around obstacle and radio dead spots.

Certifications

UL Listed:

This power unit is intended to be correctly orientated in a vertical or floor mount position.

FCC Information

FCC ID : ZGID9190A01

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.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

> **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.**

Specification

Rating Input:120Vac, 60Hz; total power: 1400W max.

Signal (Frequency) 908.42 MHz

Output Outlet: Double outlets, one Z-Wave controllable outlet, and the other is "Always On" pass through outlet.

A: For Max Output power of Z-Wave controlled outlet (Slide Switch for DIMMER(Dimming/ON/OFF mode) or SWITCH(ON/OFF) mode selected):

   1. DIMMER Mode (**slide switch** to dimmer location):

              Max 330W, 2.75A, Incandescent load.

   2. SWITCH Mode(**slide switch** to Switch location):

              a. Max 330W, 2.75A, Incandescent Load

   .   b. Max 500W, 4.16A, Resistive Load

B: "Always On" pass through outlet: Max Power of 1200W, 10A, Resistive load.

C: Total for both Z-Wave Outlet and "Always on" Pass through outlet:

       Max 1400W, 120Vac, Resistive load

D: Range: Up to 20m line of sight between the Wireless Controller and the closest Z-Wave receiver module.

E: DIMMER mode: Can only be connected to incandescent lamp, Resistive.

F: SWITCH mode: Can be connected to incandescent lamp, Resistive.

Over Temperature protection: Detected internal temperature, and cut off output

once OTP triggered. (Remark: Under Over loading or Over Temperature situation, it will fail to start up).

EMC: Meet FCC Part15 B, C

Safety: Meet UL244A standard

Z-Wave: Recognized Body Color: Milk white or other Reference Dimension(L x W x H): 126X68X40mm Reference Weight: about 180g Storage:-10~60℃

Operation Temperature:-10~40℃

Relative Humidity:5~95% Environment: Only for indoor use Specifications subject to change without notice due to continuing product improvement

Glossary

Device/Light/Node	Devices, lights and nodes are all terms to describe an individual Z-Wave device. These are all interchangeable when setting up your Z-Wave network.
Inclusion	Add a Z-Wave device to the network.
Exclusion	Delete a Z-Wave device from the network.
Scene	A collection of Z-Wave devices configured to turn to a specific level, setting, mode, or perform an operation. Scenes are usually activated by a controller, timed event, or specific conditions.
Association	Associations are used to set up one node to automatically contact another node when the first is triggered. For example you can set up a door sensor (primary node) to turn on the light (secondary node) when the door has been opened.

Key Features:

- Support Scene control (Dimmer mode ONLY)

- Selective slide switch for DIMMER/SWITCH mode

-Fine appearance designed

- High output power in SWITCH mode

- High output power in DIMMER mode

- One Z-wave controlled AC outlet for standard incandescent lighting.

- One Always-ON pass-through AC outlet

- Remote ON/OFF and Brightness control via the Z-Wave controller

- Manual ON/OFF and Brightness control with the front panel push button

- Space efficient design

- Does not block the lower outlet when plugged into the upper outlet of a duplex wall receptacle. (This assumes that the duplex receptacle is mounted with the ground pin down.)

- Plugs and cords for connected devices route to the side allowing close placement of furniture

- Grounded 3-wire power connection for safety
- Over temperature protection
- Over current/Loading protection under Switch Mode
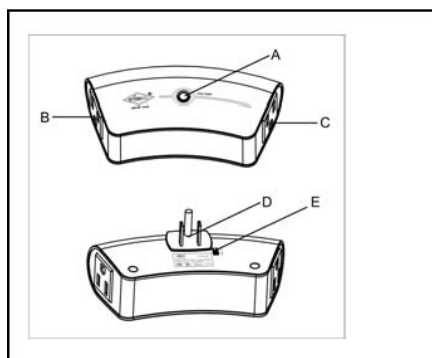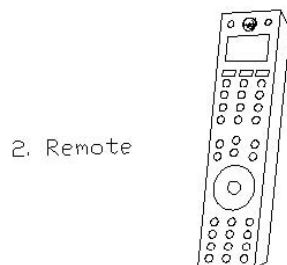
A … ON/OFF/DIMMER Push button

B … Always on outlet
C …Z-Wave controlled outlet
D … AC input prong
E … Selective slide switch (On/Off or Dimming Model)

Warning: The incandescent lighting plugged into the Z-Wave® controlled outlet on this module must not exceed 330 watts. DO NOT connect fluorescent lighting. Plugging a non-resistive load such as fluorescent lighting or a device with a motor into the Z-Wave® controlled outlet may result in damage to the ZDS-UD10 Dimming Switch Module and will void the warranty.
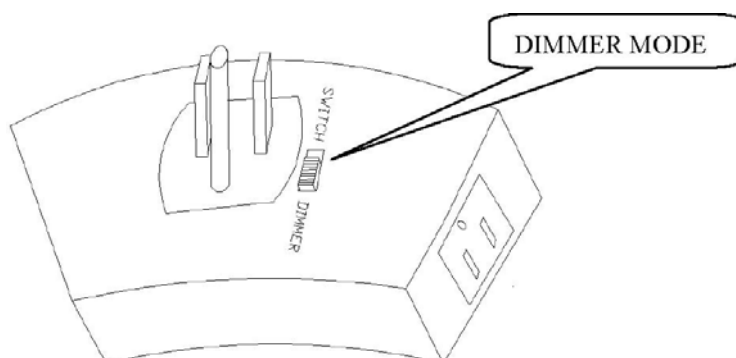
Basic Operation

The connected light can be turned ON in two ways:

1. Manually with the push button on the Z-Wave ZDS-UD10   A01 module.
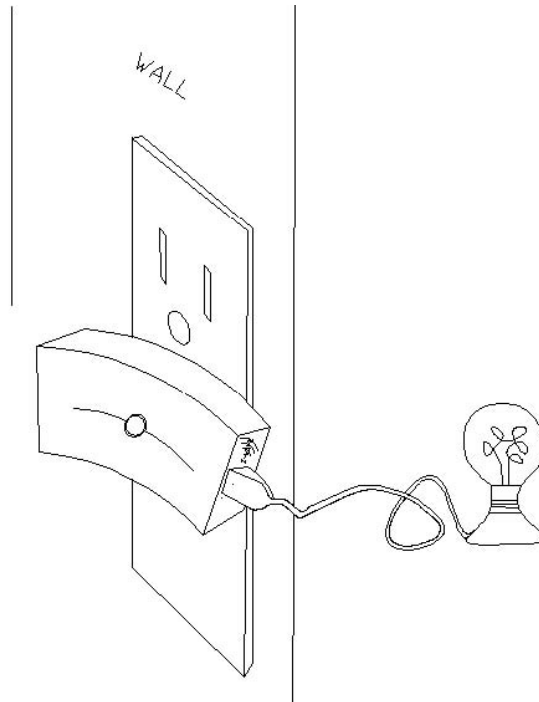
2. With a Z-Wave remote.

Manual ON/OFF/DIM function

1. Switch to DIMMER mode

2. Plug the lamp into the Dimming Switch module outlet (C). Outlet (B) is always On and outlet (C) is Z-Wave control. Ensure that the loading does not exceed 330 Watts.

3. Plug the Dimming Switch module onto a wall AC outlet.

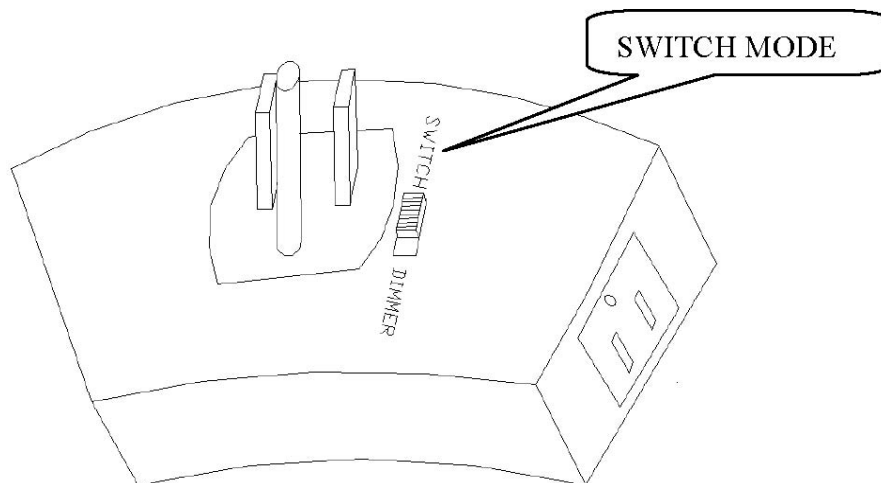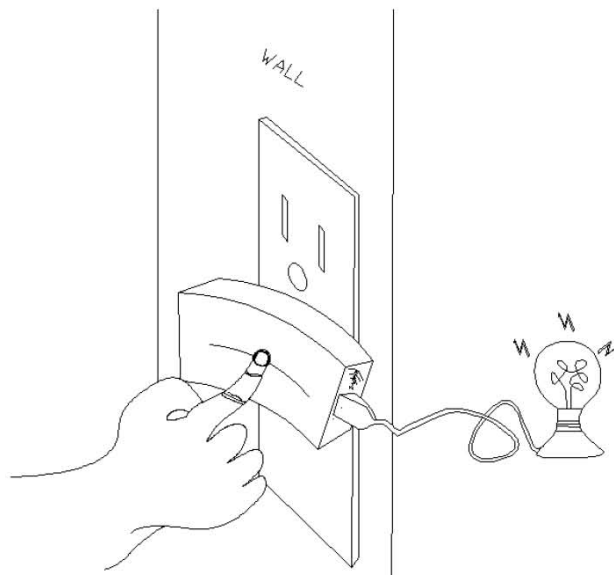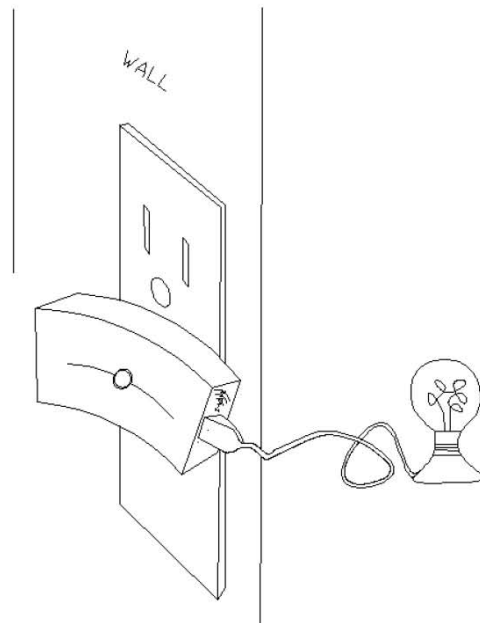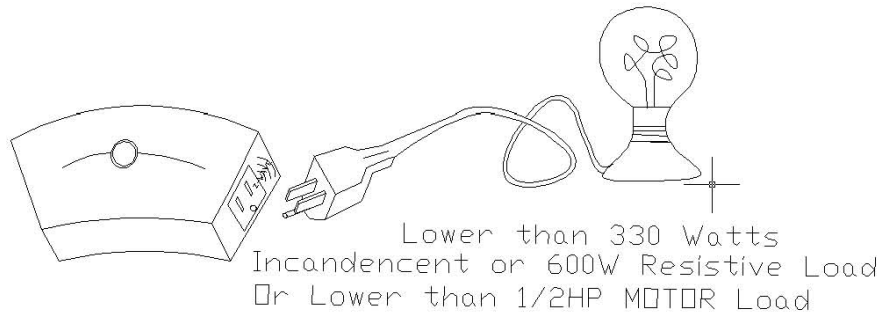4. Manually turn the connected lighting **ON/OFF** by pressing the button.
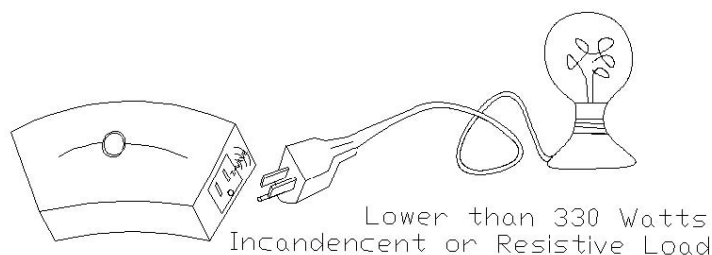
- This is a toggle switch; if the light is **OFF**, pressing the button turns the light **ON** and vice versa.

5. Adjust the brightness level of the connected lighting by pressing and holding the button. Release the button when the desired level is attained.

- This is also a toggle function. The lighting will dim until the minimum level is attained or the button is released. The next time the button is pressed and held, the level will increase until the maximum level is attained or the button is released.
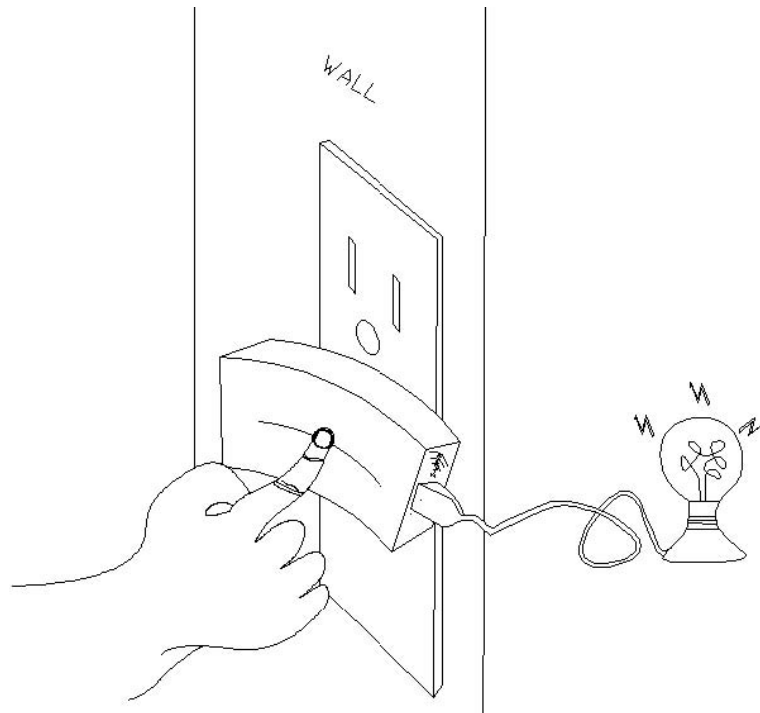
6. In the SWITCH mode, manually turn the connected lighting ON/OFF by pressing the button.

- This is a toggle switch; if the light is **OFF**, pressing the button turns the light **ON** and vice versa.

Lower than 330 Watts
Incandencent or 600W Resistive Load
Or Lower than 1/2HP MOTOR Load

WALL

WALL

Z-Wave **Remote Control** Include or exclude the Dimming Switch module from the

existing Z-Wave home control network with your primary controller.

- Refer to the instructions for your primary controller to access the setup function and include or exclude devices.

-When prompted by your primary controller, tap the button.

.- The primary controller should indicate that the action was successful. If the controller indicates the action was unsuccessful, please repeat the procedure.

.- Once the module is part of the network, the same basic procedure is used to add the module to groups or scenes. Refer to the primary controller's instructions for details.

All On/All Off function Depending upon your primary controller, the Dimming Switch 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** commands (default).

.- It will not respond to **ALL ON** and **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

Restoring Factory Defaults

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

There are no user serviceable parts in the Dimming switch module.

To avoid the risk of electric shock, the input prong comes with a round grounding plug. The switch module can only be plugged in to the power inlet with the grounding plug. Please contact a qualified electrician to replace the power inlet if it has no grounding inlet. Do not change the plug of Dimming switch model in any way.

RISK OF FIRE RISK OF ELECTRICAL SHOCK RISK OF BURNS

DID NOT QUALIFY FOR INSTRUMENT OF MEDICAL AND LIFE SUPPORT EQUIPMENT

Z-Wave Dimming switch module never got qualified certificate to supply power for medical instrument or any life support equipment.

This Dimming switch module was complied with the Z-Wave standard of open site, line of sight transmission distances of up to 20m. Actual RF performance of Dimming

switch module in a home was affected by the number of barrier/construction between the remote controller and the destination unit, in meanwhile, relies on the number of Z-Wave enabled devices installed in the control network.

WARRANTY

Dimming switch module warrants the product to be free from manufacturing defects for a period of two years from the original date of consumer purchase. This warranty is limited to the repair or replacement of the product only and does not extend to consequential or incidental damage to other products that may be used with this product.

This warranty is instead of all other warranties, expressed or implied. Some states do not allow limitations on how long an implied warranty lasts or permit the exclusion or limitation of incidental or consequential damage, so the above limitations may not apply to you.

This warranty gives you specific rights, and you may also have other rights which vary from state to state. Please contact Customer Service at 852-2558-8383 between 9:00AM - 5:00PM GMT Beijing or via our website (www.amchk.com) if the unit should prove defective within the warranty period.

Airline Mechanical Co., Ltd

20F., Kam Man Fung Factory Building, 6 Hong Man Street, Chai Wan, Hong Kong

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