domitech

Model ZSC

Wireless Control Device

Z-wave Switch Cover ZSC

Z WAVE PLUS

This product speaks with other Z-Wave certified devices

INTRODUCTION

domitech Switch Cover ZSC is a member of the Z-Wave® family and communicates with other Z-Wave® certified devices in a control network. ZSC is designed to fit over the existing wall switch in the home, ensure that the smart LED bulb stays online all the time, and allow you to control the lights manually. The ZSC can control the Z-wave Smart LED Bulb as well as other Z-Wave light control devices. Different types and brands of Z-Wave devices can be associated with domitech ZSC in your system and they will work together to optimize and enhance the comfort and convenience of your automated home lighting.

FEATURES

- Built-in Z-Wave radio - can control Z-Wave Light Bulb and switches/dimmers remotely and wirelessly
- Plug and play, simple setup. Fits over an existing wall switch.
- Manually turn on, off, dim your lights while keeping the smart light bulb always online in your home network
- No need to hire an electrician to install a new In-Wall switch
- Works with different types and brands of Z-Wave LED Light control devices
- Over-The-Air firmware upgrade available with compatible gateway, Z-Wave® static controller, PC and software
- Powered by Z-Wave® 500 Series module inside
- Manual reset capability
- Powered by 2 pieces of standard CR2032 Lithium Coin Cell

! WARNING !
RISK OF FIRE, ELECTRICAL SHOCK & BURNS
NOT FOR EMERGENCY LIGHTING
DO NOT USE WITH MEDICAL AND LIFE SUPPORT INSTRUMENT
No user serviceable parts are in this module

1. INSTALLATION

The ZSC can be installed without any screws by using the included double sided tape.   In some cases, mounting screws can be used to secure the ZSC over an existing wall switch.

Make sure to insert the two CR2032 lithium coin cell batteries into the battery compartment in the ZSC main unit.

Once the batteries are installed, select the proper faceplate to be used for ZSC.   Use the wider included faceplate to cover a single gang wall switch.   Use the narrower faceplate when used on a multi-gang wall switch.   Snap-in the faceplate on the ZSC so that the two buttons are flush with the surface of the faceplate.

Installation with double sided tape
You can install the ZSC by the included double sided tapes as follows.

Step 1, place the double sided tapes in the 4 corners on the back side of ZSC main unit as shown.

Step 2, stick the ZSC on top of your existing wall plate. —Position the ZSC properly over the switch (the battery compartment should be on the bottom side and **existing wall switch should be in ON position**). Make sure the surface is clean and dry before securing.

Step 3, secure the ZSC tightly by pressing firmly on the existing wall plate

Installation by mounting screws
If your existing light switch is a decorative type or toggle switch with screw holes that line up with ZSC, you may secure ZSC using screws.

(A) Install on a single gang switch

Step 1, remove the mounting screws on the existing wall plate

Step 2, remove the existing wall plate from the In-wall Switch.

Step 3, place the bottom case of ZSC to the In-wall switch. **Make sure the existing switch is in ON position.**

Step 4, tighten the mounting screws and secure the bottom case of ZSC

Step 5, place the wider faceplate on the ZSC main unit.



(B) Install on a multi-gang switch

Step 1, remove the mounting screws on the existing wall plate that you wish to cover (do NOT remove the screws on other switch nor the wall plate).
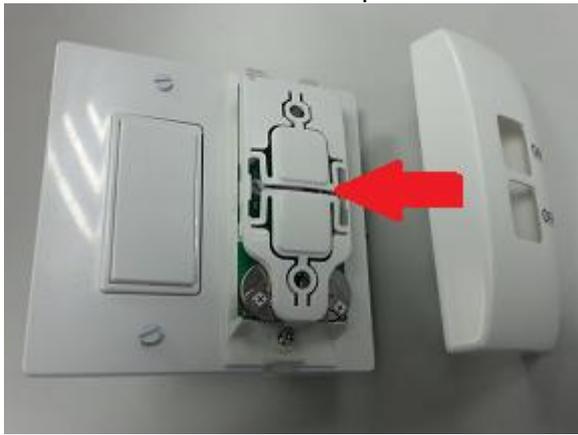

Step 2, place the bottom case of ZSC main unit on top of the existing faceplate. **Make sure the existing switch is in ON position.**

Step 3, Secure the ZSC main unit to the existing wall plate using the included longer mounting screws.
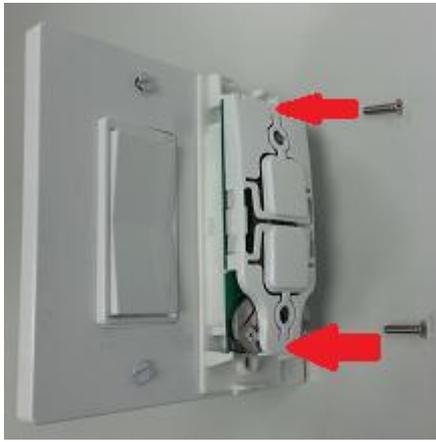
Step 4, Snap-in the narrower faceplate on the ZSC.   Make sure the two buttons are flush with the surface of the faceplate.

2. INCLUSION

Step 1, place your network controller into Inclusion mode by following the controller manufacturer's instructions.

Step 2, press any button on the ZSC.

Step 3, a green LED will flash twice to indicate that ZSC Inclusion is successful.

NOTE:
If the inclusion was a fail, a red LED will flash on ZSC.   Repeat the procedure.

Before repeating the above steps, try moving the ZSC in the same room as your home gateway in case the preferred switch location is out of range initially. Repeat step 1-3 until the ZSC is added to your network. Once the ZSC has been successfully added to your home network, you can move it to the preferred location in the home.

Note: If Inclusion still fails after the 2nd attempt, you need to first manually RESET the ZSC before repeating the above steps.

Manual Reset – Press TOP button 5-times then press BOTTOM button 5-times within 5 seconds. LED will flash 7 times if RESET is successful.   Repeat procedure until you see the LED flash 7 times.

3. Activation of Central Scene

Z-Wave plus introduces a new process for scene activation – "The Central Scene Control". Press and release the button, it will send a certain command to the central controller using

the lifeline association group. This allows to react both button press and button release. This mode implements communication patterns 6 but requires gateway supporting Z-Wave Plus.

Parameter No: 1
Length: 1 Byte
Valid Value = 0 – 99 (Default 0)

Valid Value	0		1		...	99	
Button	Top	Bottom	Top	Bottom	...	Top	Bottom
Scene Number	1	2	3	4	...	199	200

Remark: Central Scene control is not supported by all gateway/controllers.   Consult your gateway company's technical support to be sure.

4. ASSOCIATION (Turn ON/OFF and Dim UP/DOWN)

The ZSC either control other Z-Wave devices such as smart LED bulbs or they issue various scene activation commands to a central controller for direct device control.   Depending on the gateway/controller used, support for these functions differ and are described differently. Consult your gateway company's technical support if you are not familiar with how Associations and Scene control work.

Step 1, include your Smart Bulb into the network by following the controller and Smart Bulb instructions.

Step 2, place your controller in ASSOCIATION mode with Group 2 or Group 3, and set the ZSC as DESTINATION.   Depending on the Controller software, Association may be referred to as Smart Apps, "If, Then" type conditions, etc.

Step 3, switch OFF and then ON the Smart Bulb for setting the Smart Bulb as a DESTINATION.

Step 4, press any button for setting the ZSC as a SOURCE.

Step 5, the LED will flash twice when it is successful.

Turn ON
Press and release the top button, Smart Bulbs in Group 2 will be turned ON.
Press and release the top button twice (double click), Smart Bulbs in Group 3 will be turned ON.

Turn OFF
Press and release the bottom button. Smart Bulbs in Group 2 will be turned OFF.
Press and release the bottom button twice (double click). Smart Bulbs in Group 3 will be turned OFF.

Dim UP
Press and hold the top button. Smart Bulbs in Group 2 will dim up.
Press the top button twice while holding down the button in 2nd press. Smart Bulbs in Group 3 will dim up.

Dim DOWN
Press and hold the bottom button. Smart Bulbs in Group 2 will dim down.
Press the bottom button twice while holding down the button in 2nd press. Smart Bulbs in

Group 3 will dim down.

Note:
You can set the smart bulbs into Group 2 or Group 3. Maximum of 5 Smart Bulbs can be added in each group.

5. CONTROL MODE
You can set the ZSC to control other devices or they issue various scene activation commands to a central controller.
Parameter No: 2
Length: 1 Byte
Valid Values = 0, 1, 2 (Default 0)
Value = 0: ZSC can activate the Scene which is pre-set by Gateway, and then control the associated Smart Bulbs in either Group 2 or Group 3.
Value = 1: ZSC can only activate the Scene which is pre-set by Gateway.
Value = 2: ZSC can only control Smart Bulbs in Association Group 2 and Group 3.

6. REVERSE BUTTON
If the ZSC is installed upside down, you can set the below
Parameter No: 4
Length: 1 Byte
Valid Value = 0 or 1 (Default 0)

7. EXCLUSION
Step 1, place your network controller into Exclude mode by following the controller manufacturer's instructions.

Step 2, press any button on the ZSC.

Step 3, the LED will flash twice and ZSC exclusion is successful.

8. FACTORY RESET
In an event that your primary controller is lost or otherwise inoperable, to reset or clear all network information, follow these steps:
Press TOP button 5-times then press BOTTOM button 5-times within 5 seconds. LED will flash 7 times if RESET is successful.   Repeat procedure until the LED flashes 7 times.

IMPORTANT NOTE:
Please note that it is extremely important to follow the above procedure to have ZSC operate properly with your home gateway.   Installation of ZSC ensures that the power to the smart light bulb always remains ON.   Without the electrical power to the Smart Bulb, the Smart Bulb cannot be turned ON remotely nor function as a signal repeater to maintain proper Z-Wave network.

About the Z-Wave 500 Series Module with Z-Wave Plus features:
You can use a Z-Wave certified portable or static controller to communicate with your Z-Wave devices. Depending on the capability of your controller or gateway software, the

following simple to advanced operations may be performed. Please refer to the controller or gateway manual for details.

1. Add(Include) or Delete(Exclude) the Smart Bulb to/from your network
2. Turn On or Off the Smart Bulb remotely
3. Dim up/down individual Association Group or turn on the Scene which is pre-set by gateway.
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

SPECIFICATIONS

Model: ZSC
Power: 2 pieces CR2032 Lithium Cell
Radio frequency: 908.4 MHz / 916 MHz
Wireless range: up to 132 feet 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 Plus certification which guarantees such an interoperability.

FCC ID: 2AC4EZSC
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.

IC: 12320A-ZSC

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 Designs

WARRANTY

Domitech Products 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@domitechproducts.com

Warranty period: limited 1 year from date of purchase

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