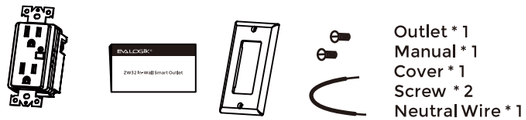
ZW32 In-Wall Smart Outlet

Meet your new smart outlet !



Outlet * 1
Manual * 1
Cover * 1
Screw * 2
Neutral Wire * 1

SPECIFICATIONS

Model: ZW32
Power: 120V AC, 60Hz
Signal (Frequency): 908.42 MHz
Load Incandescent: 16A
Range: Min 30m(100 feet) line of sight
Dimensions:115*71*42mm
Operating Temperature Range: 32-104° F (0-40° C)
Approval: UL/FCC/IC/Z-Wave Plus Certified
UL: E464831
FCC ID: OXGZW32
IC:10460A-ZW32
For indoor use.

Z-Wave Internet

The Internet of Things offers tremendous promise to consumers by enabling remote control and management of an ever-growing variety of connected devices– from home security systems to energy management, appliances and lighting, and remote home monitoring, just to name a few categories.

Analysts predict that billions of devices will be connected to the Internet of Things in the coming years. One key consideration is how all of these devices will be integrated and controlled, and common standards are key to enabling simple, straight forward installation and management of devices in the connected home.

The Z-Wave protocol is an interoperable, wireless, RF-based communications technology designed specifically for control, monitoring and status reading applications in residential and light commercial environments. Mature, proven and broadly deployed (with over 100 million products sold worldwide), Z-Wave is by far the world market leader in wireless control, bringing affordable, reliable and easy-to-use 'smart' products to many millions of people in every aspect of daily life.

INTRODUCTION

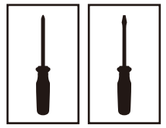
The EVA LOGIK ZW32 is a Z-Wave enabled 16A receptacle designed for use for most residential lighting and motor applications. It's compatible with LED, halogen, incandescent, xenon, fluorescent and compact fluorescent bulbs.The ZW32 fully works with the Fibaro, Smartthings, Wink hub as well as all other certified Z-Wave controllers.

Wiring Instructions - A Few Quick Reminders

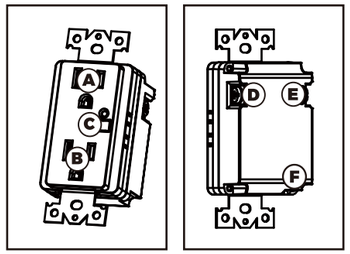
A quick note before we give out the wiring schematics. Please do not try installing this device if you are unsure of how electri calcircuits operate within your home. As exciting as it is to have a smart switch installed, it can be dangerous and even life-threatening if you do not install this correctly. Please consult a qualified electrician if necessary. With that said, here are a few other warnings we'd like to point out for your safety:

Pre-installation preparation

(1) Tools You Will Need



(2) Understanding product information



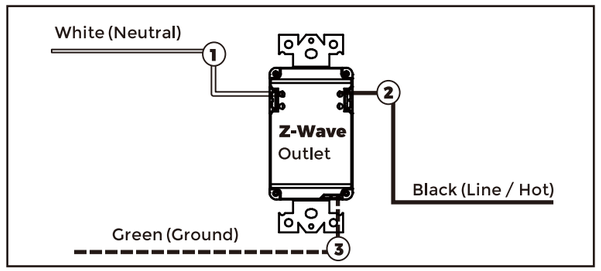
A. Always On Outlet
B. Smart Outlet
C. Learn button
D. Neutral (White)
E. Line (Black)
F. Ground (Green/Bare)

(3) Understanding circuit diagrams

① NEUTRAL – White Screw
② LINE (Hot) – Black Screw
③ GROUND – Green Screw

Wire Gauge Requirements

Use 14 AWG or larger wires suitable for at least 80° C for supplying Line (HOT), Load, Neutral, Ground and Traveler connections.

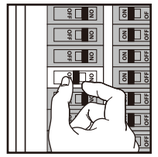


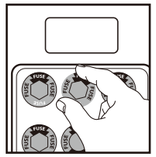
IMPORTANT!

Appliances controlled by Z-Wave in-wall smart sockets must not exceed 16A.

Single Outlet wiring

(1) Shut off power to the circuit at circuit breaker or fuse box.

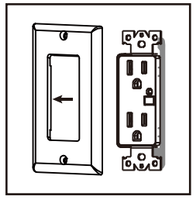


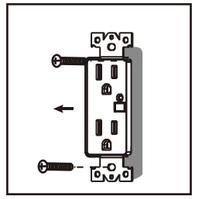


IMPORTANT! Verify power is OFF to gang box before continuing.

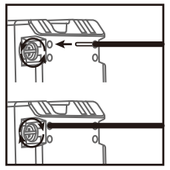
All wiring connections must be made with the POWER OFF to avoid personal injury and/or damage to the outlet.

(2) Remove wall plate, Remove the Outlet mounting screws.





(3) Carefully remove the wires from the gang box. DO NOT connect the wires.
(4)Match these screw terminals to the wires connected to the existing outlet.
(5) Disconnect the wires from the existing outlet. Be careful to label wires according to the previous terminal connection (like circuit diagrams).

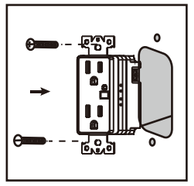


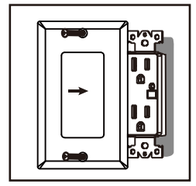
1. Connect the green copper ground wire to the GROUND terminal.
2. Connect the black wire that comes from the electrical service panel to the terminal marked LINE.
3. Connect the white wire to the Neutral terminal.

Wire strip length:

For attachment to screw terminals: Strip insulation 1" (25mm)
For attachment using the enclosure's holes: Strip insulation 5/8" (16mm)
UL specifies that the tightening torque for the screws is 14 Kgf-cm (12 lbf-in).

(6) Insert outlet into the gang box being careful not to pinch or crush wires.
(7) Secure the outlet to the box using the supplied screws.
(8) Mount the wall plate.
(9) Reapply power to the circuit at fuse box or circuit breaker and test the system.





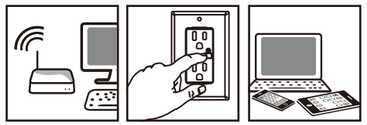
Button setting :

1: Tap x1 : ON/OFF
2: Tap x2 : Scene 1
3: Tap x3 : ADD/REMOVE
4: Tap x7 : Change restores state after power failure
5: Tap x8 : Protection ON/OFF(switch)
6: Tap x10 : Indicate LED ON/OFF(switch)
7: Hold on learn button 10S restore to factory setting

Z-Wave Network Operation

Adding your device to a Z-wave network

1. Follow the instructions for your Z-wave certified controller to include a device to the Z-wave network.
2. Once the controller is ready to include your device, triple press the front button to include it into the network.
3. Once your controller has confirmed that the device has been included, refresh the Z-Wave network to optimize performance.



Now you have complete control to turn your fixture ON/OFF according to groups, scenes, schedules and interactive automations programmed by your controller.If your Z-wave certified controller features Remote Access, you can now control your fixture from your mobile devices.

Removing and resetting from Z-Wave network

1. Follow the instructions for your Z-Wave certified controller to exclude a device from the Z-Wave network.
2. Once the controller is ready to Exclude your device, triple press the front button to exclude it from the network.

To return your outlet to factory defaults

Hold on learn button 10S restore to factory setting.
Note: This should only be used in the event your network's primary controller is missing or otherwise inoperable.

Z-WAVE INTEROPERABILITY

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

This Device supports Lifeline (association group 1) supporting 1 node for lifeline communication.
Group 1 must be assigned the Node ID of the primary controller where unsolicited notifications will be sent.
The Z-Wave controller should set this association automatically after inclusion.
Lifeline association only supports the "Device Reset Locally" function. Refer to the instructions of your controller for any available details on how this can be set.

Command Class Information

GRNERIC DEVICE CLASS:
10 - GENERIC_TYPE_SWITCH_BINARY

SPECIFIC DEVICE CLASS:
01 - SPECIFIC_TYPE_POWER_SWITCH_BINARY

COMMANDCLASS:
5E - COMMAND_CLASS_ZWAVEPLUS_INFO
25 - COMMAND_CLASS_SWITCH_BINARY
70 - COMMAND_CLASS_CONFIGURATION
85 - COMMAND_CLASS_ASSOCIATION
8E - COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION
59 - COMMAND_CLASS_ASSOCIATION_GRP_INFO
55 - COMMAND_CLASS_TRANSPORT_SERVICE
86 - COMMAND_CLASS_VERSION
72 - COMMAND_CLASS_MANUFACTURER_SPECIFIC
5A - COMMAND_CLASS_DEVICE_RESET_LOCALLY
73 - COMMAND_CLASS_POWERLEVEL
5B - COMMAND_CLASS_CENTRAL_SCENE
6C - COMMAND_CLASS_SUPERVISION
7A - COMMAND_CLASS_FIRMWARE_UPDATE_MD

*The association group supports five nodes and lifeline function

Parameter Settings

1: restores state after power failure
Parameter=02, Size=1,
Value=00 output off
Value=01 output on
Value=02 remember the stats after power failure(default)

2: indicate LED
Parameter=03, Size=1,
Value=00 On when switch is off
Value=01 On when switch is on (default)
Value=02 Always Off
Value=03 Always On

3: Timer ----- range (0S----36000S)
Parameter=05, Size=2, Value=xx xx (V=0S default)

Association
Support 2 group, each group max support 5 devices
Group 1 lifeline
Group 2 Relay on/off send basic set

Special Settings

Tap 10x on Button (A) = Change LED Status
Tap 8x on Button (A) = Invert Switch

FCC / IC

This device complies with part 15 of the FCC and Industry Canada license-exempt RSS standard(s). 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.

FCC NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications 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

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 - PLEASE READ!

This device (ZW32) is intended for installation in accordance with the National Electric Code and local regulations in the United States, or the Canadian Electrical Code and local regulations in Canada. If you are unsure or uncomfortable about performing this installation consult a qualified electrician.

MEDICAL EQUIPMENT

Please DO NOT use this switch to congrol Medical or Life Support equipment. Z-Wave devices should never be used to control the On/Off status of Medical and/or Life Support equipment.

WARNING - SHOCK HAZARD

TURN OFF THE POWER to the circuit for the switch and lighting fixture at the service panel (circuit breaker) prior to installation.

ALL WIRING CONNECTIONS MUST BE MADE WITH THE POWER OFF to avoid personal injury and/or damage to the switch.

CONTROLLING APPLIANCES

Please exercise EXTREME CAUTION when using Z-Wave devices to control appliances. Reason being is because the appliance you want to control may be in a separate room and if unintentional behavior occurs (such as adevice turning on or off - either intentionally via schedules, or unintentionally via network error) this event may lead to a hazardous condition. For these reasons, please note the following suggestions:

1) Do not include Z-Wave devices in Groups or Scenes if they control appliances.

2) Do not use Z-Wave devices to control electric heaters or any other appliances which may present a hazardous condition due to unattended, unintentional, or automatic power control

OTHER WARNINGS

Risk of Fire
Risk of Electrical Shock
Risk of Burns

VER1.0 19/04/9