

# INSTALLATION INSTRUCTIONS

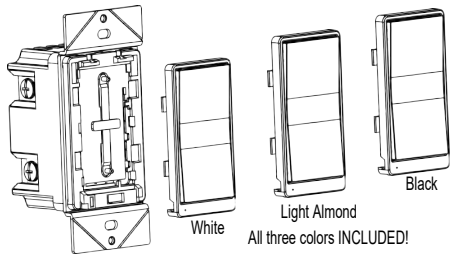


## DESCRIPTION

The **ZW3K-N** 3-Way Control Auxiliary Switch is a companion device designed to work with the on/off switch **ZW15S-N** and dimmer switch **ZW500D-N**. Alone the **ZW15S-N** and **ZW500D-N** are Single Pole Switches, but the **ZW3K-N** will enable the 3-way switching capability. This Z-Wave auxiliary switch does not need to be connected to the controller, but it must be used with a **ZW15S-N** or **ZW500D-N**. Use this **ZW3K-N** 3-Way Auxiliary Switch to reduce energy consumption and provide more convenience to you and your family.

## FEATURES

- Ideal use of 3-Ways are in staircases, hallways, and rooms with multiple entrances.
- Follow the Retrofit Wiring Diagram to convert existing 3-Way wiring or follow the New Construction Wiring diagram for the easiest wiring method for these switches.
- Several **ZW3K-N** switches may be added to 1 circuit to allow for manual lighting control in multiple locations.



## REQUIREMENTS

Z-Wave devices requires a connection to a compatible hub. Once the device is properly added to the Hub, it can be managed and customized to your needs. Since the **ZW3K-N** is like a momentary switch, it does not require a connection with the Hub. However, the **ZW3K-N** needs to be hard wired to the main switch **ZW15S-N** or **ZW500D-N**. Please visit [www.enerwaveautomation.com](http://www.enerwaveautomation.com) for a list of compatible hubs.

## OPERATING THE ZW3K-N

Once the **ZW15S-N** or **ZW500D-N** is configured with the **ZW3K-N**, the **ZW3K-N** will mirror all the functions of the **ZW15S-N** or **ZW500D-N**. Please refer to the **ZW15S-N** or **ZW500D-N** manuals for operating instructions.

## WARNING: Turn the POWER OFF at the circuit breaker before installing the Auxiliary Switch

Read and understand these instructions before installing. This device is intended for installation in accordance with the National Electric Code and local regulations. It is recommended that a qualified electrician performs this installation. Make sure to turn off the circuit breaker or fuse(s) and make sure power is off before wiring the device. 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 so an unintentional activation may occur if the wrong button on the remote is pressed. Z-Wave devices can be automatically powered on by programmed events. Unattended or unintentional operation could result in hazardous conditions. Z-Wave enabled devices should never be used to supply power to, control or monitor medical and/or life support equipment. The **ZW3K-N** is NOT a switch on it's own, but is used to enable the 3-way function on the **ZW15S** or **ZW500D-N**. For use with incandescent, halogen, dimmable CFL and LED lights. **Use copper wires only.**

# UPGRADING STANDARD 3-WAY SWITCHES TO Z-WAVE

## REPLACING EXISTING SWITCHES WITH ZW3K-N AND EITHER ZW15S-N OR ZW500D-N

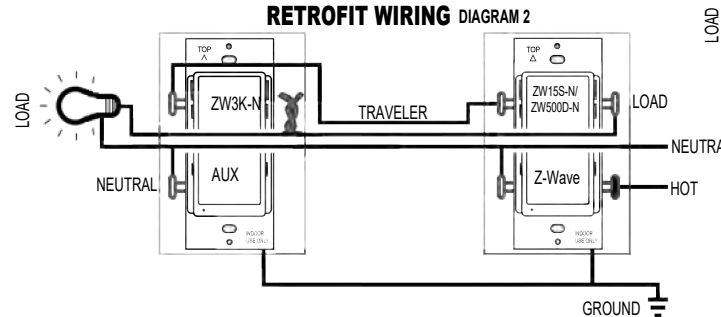
The term "3-way circuit" refers to a circuit with two switches and one load (light) like you find at the top and bottom of a stairway. There are many ways to physically wire a 3-way circuit so it is important to understand how the circuit is wired before performing the upgrade to a Z-Wave control.

DIAGRAM 1 illustrates a common 3-way circuit. In Diagram 1 and Diagram 2, SWITCH ONE is replaced with the **ZW3K-N** and SWITCH TWO is replaced with the **ZW15S-N** or **ZW500D-N**. The auxiliary switch (**ZW3K-N**) does not actually control the power; instead, it sends a momentary voltage signal through the traveler wire to the primary switch (**ZW15S-N** or **ZW500D-N**) which in turn, controls the power to the load.

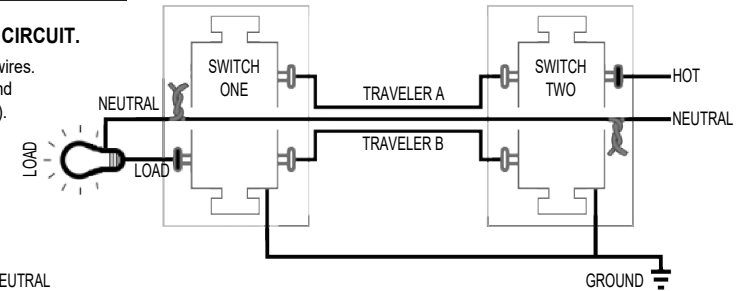
If you have trouble identifying the wires, **STOP** and consult with an electrician.

**DO NOT REVERSE THE HOT AND TRAVELER WIRES. DOING SO WILL VOID YOUR WARRANTY AND THE SWITCH WILL SHORT CIRCUIT.**

- Step 1.** Identify all your wires (DIAGRAM 1). Label the wires or draw a diagram of existing wires.  
**Step 2.** Convert the TRAVELER B wire to the LOAD wire. To do so, Take the LOAD wire and TRAVELER B wires off SWITCH 1 and connect them together with a wire nut (DIAGRAM 2).



## COMMON 3-WAY WIRING DIAGRAM 1



- Step 3.** Connect the other end of the TRAVELER B wire to the LOAD terminal on **ZW15S-N/ZW500D-N**.  
**Step 4.** Connect the NEUTRAL wire to the NEUTRAL terminals on both switches.  
**Step 5.** Connect the TRAVELER A wire to the TRAVELER terminals on both switches.  
**Step 6.** Connect the HOT wire to the HOT terminal on the **ZW15S-N/ZW500D-N**.  
**Step 7.** Connect the GROUND wire to the GROUND terminals on both switches.

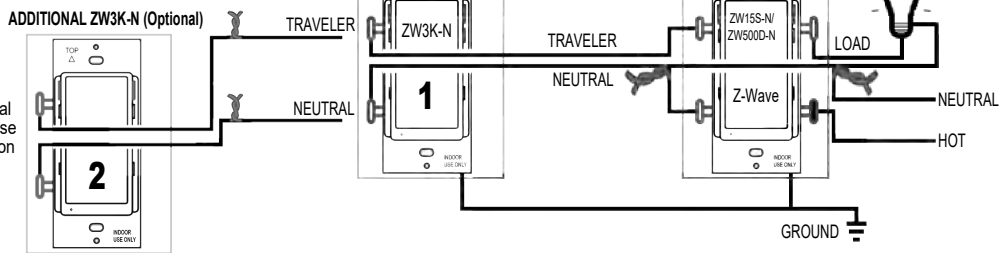
## NEW CONSTRUCTION WIRING

If you are running new wires in a house specifically for the **ZW3K-N** and **ZW15S-N/ZW500D-N**, follow DIAGRAM 3 for the easiest wiring method. This method will require the LOAD, HOT, NEUTRAL, and GROUND wires to be installed in the wiring box where the **ZW15S-N/ZW500D-N** is located and a TRAVELER and NEUTRAL wire to be installed in the **ZW3K-N** box. Once the wires are installed, the devices should be connected as follow:

- Step 1.** Connect the TRAVELER wire to the TRAVELER terminals on both devices.  
**Step 2.** Connect the NEUTRAL wire to the NEUTRAL terminals on both devices.  
**Step 3.** Connect the HOT wire to the HOT terminal on the **ZW15S-N/ZW500D-N**.  
**Step 4.** Connect the LOAD wire to the LOAD terminal on the **ZW15S-N/ZW500D-N**.  
**Step 5.** Connect the GROUND wire to the GROUND terminals on both devices.

## MULTIPLE ZW3K-N

Additional **ZW3K-N** switches may be added for control over the same Load in multiple locations. Run additional TRAVELER and NEUTRAL lines to each location. These additional lines may be daisy chained from each location or centralized at 1 switch.



## Model: ZW3K-N

Wireless Home Automation Control  
 Device 3-Way Control Auxiliary Switch  
 with Interchangeable Face Cover

## WARRANTY INFORMATION

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This device is warranted to be free of material and workmanship defects for 2 years from the date of purchase. Original receipt or proof of purchase from an authorized retailer must be presented upon warranty claim. ALL claims must be verified and approved by Enerwave, Inc. Warranties from other Enerwave products may vary. This warranty is nontransferable and does not cover normal wear and tear or any malfunction, failure, or defect resulting from misuse, abuse, neglect, alteration, modification, or improper installation. To the fullest extent permitted by the applicable state law, Enerwave shall not be liable to the purchaser or end user customer of Enerwave products for direct, indirect, incidental, or consequential damages even if Enerwave has been advised of the possibility of such damages. Enerwave's total liability under this or any other warranty, express or implied, is limited to repair, replacement or refund. Repair, replacement or refund are the sole and exclusive remedies for breach of warranty or any other legal theory.

