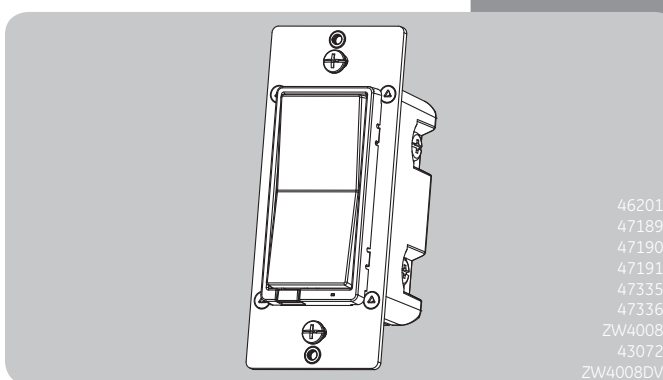This device complies with Part 15 of the FCC and Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired 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 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 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.

Responsible Party - US Contact Information
ZW4008:
FCC — U2ZZW4008 | IC: 6924A-ZW4008
ZW4008DV:
FCC — U2ZZW4008DV | IC: 6924A-ZW4008DV
Jasco Products Company | Model: ZW4008/46201, 47189, 47190, 47191, 47335, 47336/ ZW4008DV/43072
10 E. Memorial Rd., Oklahoma City, OK 73114 | 1-800-654-8483
CAN ICES-3(B)/NMB-3(B)

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MANUAL

46201
47189
47190
47191
47335
47336
ZW4008
43072
ZW4008DV

clare™
CVL-IWS-10

ClareVue
In-Wall Switch

Smart control   Add-on switches

Multiple paddle colors available

In-Wall Smart Dimmers | Plug-in Smart Dimmers | In-Wall Add-on Switches

In-Wall Motion Switch or Dimmer | Plug-in Smart Switches | In-Wall Smart Switches

Enbrighten Smart LED Bulb | In-Wall Smart Fan Control | Hinge Pin Smart Door Sensor

Direct Wire, 40A Outdoor Smart Switch | Portable Smart Multi Sensor | In-Wall Tamper-Resistant Smart Outlet | Plug-in Outdoor Smart Switch

WARNING

RISK OF FIRE
RISK OF ELECTRICAL SHOCK
RISK OF BURNS

CONTROLLING APPLIANCES
CAUTION:
• DO NOT EXCEED RATINGS
• DO NOT USE TO CONTROL ANY DEVICE WHERE UNINTENDED OPERATION COULD CAUSE UNSAFE CONDITIONS (HEAT LAMP, SUN LAMP, ETC.)
• DO NOT USE TO CONTROL RECEPTACLES
• FOR INDOOR USE ONLY

NOT FOR USE WITH MEDICAL OR LIFE-SUPPORT EQUIPMENT
Z-WAVE ENABLED DEVICES SHOULD NEVER BE USED TO SUPPLY POWER TO OR CONTROL THE ON/OFF STATUS OF MEDICAL OR LIFE-SUPPORT EQUIPMENT.

Warranty
Clare Controls offers a two (2) year limited warranty on original Clare Controls components, from the date of shipment from Clare Controls. To view complete limited warranty details, including limitations and exclusions, visit www.clarecontrols.com/warranty.

SPECIFICATIONS
ZW4008DV
Power: 120/277VAC, 60Hz
Signal Frequency: 908.4/916MHz
Maximum Loads: 960W (120VAC)/1385W (277VAC) incandescent, 1/2HP (120/277VAC) motor or 1800W (15A) (120/277VAC) resistive
Range: Up to 150ft. line of sight between the wireless controller and the closest Z-Wave receiver module
Operating Temperature Range: 32-104° F (0-40° C)
Type 1 enclosure, independently mounted (vertical position only), operating control: type 1.c action, pollution degree (2), impulse voltage (4000V), software class A
For indoor use only
Specifications subject to change without notice due to continuing product improvement

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1.

Tools you will need

IMPORTANT!
The fixture controlled by the Z-Wave In-Wall Smart Switch must not exceed 960W incandescent; 1800W (15A) resistive or 1/2HP motor. The switch is designed only for use with permanently installed fixtures.

Getting to know your new Z-Wave device
• Turn ON/OFF manually or remotely via the Z-Wave controller
• Can be added in multiple groups and scenes
• May be used in single pole installation or with up to five **Clare**-branded Add-on Switches in 3-way or 4-way wiring configurations
• Compatible with all incandescent and CFL/LED bulbs
• Auto line/load detection
• Interchangeable paddle switch — white & light almond paddle in package
• Uses a standard, decorative-size wallplate for single-gang installations (wallplate not included)
• Blue LED indicates switch location in a dark room
• Z-Wave certified for simple pairing and integrated home automation
• Screw terminal installation — requires wiring connections for line (hot), load, neutral and ground. Traveler wire required for 3-way or 4-way installation
• This Z-Wave device has advanced features that allow you to customize your experience. These features can only be adjusted by a Z-Wave enabled controller that supports the Z-Wave configuration command class.

2.

A. **Ground** (Green/Bare)
B. **Line or Load** (Black)
C. **Line or Load** (Black)
D. **Traveler** (Red/Other)
E. **Neutral** (White)
F. **Top rocker** — Press to turn switch ON
G. **Bottom rocker** — Press to turn switch OFF

3.

OR

WARNING — SHOCK HAZARD
Turn OFF the power to the branch circuit for the switch and lighting fixture at the service panel. All wiring connections must be made with the POWER OFF to avoid personal injury and/or damage to the switch. This device 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.

Multi-switch wiring
For 3-way installations, please refer to **Clare**-branded Add-on Switch manual

Single-switch wiring
Before installation, you may wish to change the paddle color to match your wallplate or décor. Please proceed to section 5.
1. Shut off power to the circuit at circuit breaker or fuse box.
IMPORTANT! *Verify power is OFF to switch box before continuing.*
2. Remove wallplate.
3. Remove the switch mounting screws.
4. Carefully remove the switch from the switch box. DO NOT disconnect the wires.
5. There are up to five screw terminals on the switch; these are marked:
   A. GROUND — Green/Bare

B. LINE OR LOAD — Black (connected to power or lighting)
C. LINE OR LOAD — Black (connected to power or lighting)
D. TRAVELER — Red/Other (only in 3-way installations)
E. NEUTRAL — White
   Match these screw terminals to the wires connected to the existing switch.
6. Disconnect the wires from the existing switch. Label wires according to the previous terminal connection.

Observe important wiring information
IMPORTANT! *This switch is rated for and intended to only be used with copper wire.*

Wire gauge requirements
Use 14AWG or larger wires suitable for at least 80° C for supplying line (hot), load, neutral, ground and traveler connections.

Wire strip length:
1. For attachment using the enclosure's holes, strip insulation 5/8in. (16mm). *UL specifies the tightening torque for the screws is 14Kgf-cm (12lbf-in).*
2. Connect the green or bare copper ground wire to the GROUND terminal.
3. Connect the black wire from the light to either LINE/LOAD terminal.
4. Connect the black wire from the electrical service panel (hot) to either LINE/LOAD terminal.
5. Connect the white wire to the NEUTRAL terminal (use a jumper wire if needed).
Note: *The traveler terminal is only used for 3-way or 4-way wiring and should remain insulated if the switch is being installed in a 2-way system (one switch & one load).*
6. Insert switch into the switch box being careful not to pinch or crush wires.

Insert wires into holes, do not wrap wires around screws.
Do not remove screws.

Out to Light (Load)
From Breaker Box

7. Switch must be independently mounted (vertical position only).
8. Secure the switch to the box using the supplied screws.
9. Mount the wallplate.
10. Reapply power to the circuit at fuse box or circuit breaker and test the system.

Basic operation
The connected light can be turned ON/OFF in two ways:
1. Manually from the front panel of the switch.
2. Remotely with a Z-Wave controller.

Manual control
The front panel rocker switch allows the user to, turn ON/OFF the connected fixture.
1. To turn the connected fixture ON, press the top of the rocker.
2. To turn the connected fixture OFF, press the bottom of the rocker.

Cycle LED light
The LED below the switch acts as a guide light or status indicator.
How to cycle through options: Press up three times and down once quickly.
1. LED is ON when the load is off (guide light in the dark) (default).
2. LED is ON when the load is ON (indicates the switch is ON).
3. LED is always OFF.
4. LED is always ON (illuminates switch in the dark).

4.

Adding your device to a Z-Wave network
1. Follow the instructions for your Z-Wave certified controller to add a device to the Z-Wave network.
2. Once the controller is ready to add your device, press the top or bottom of the wireless smart switch (rocker).
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 control your fixture from your mobile devices.
If prompted by the controller to enter the S2 security code, refer to the QR code/security number on the side of the box or the QR code label on the product (see Figure 1). Enter the 5-digit code.

Figure 1:
DSK
XXXXX
-12565 1-22671
-26939 4-27599
-19612-25872
-47752

To remove and reset the device
1. Follow the instructions for your Z-Wave certified controller to remove a device from the Z-Wave network.
2. Once the controller is ready to remove your device, press the top or bottom of the wireless smart switch (rocker).

To return your switch to factory defaults
1. Quickly press ON (top) button three times then immediately press the OFF (bottom) button three times. The LED will flash ON/OFF five times when completed successfully.
Note: *This should only be used if your network's primary controller is missing or otherwise inoperable.*

5.

To change color of the paddle
This step is optional. Before installation, you may want to change the color of the paddle to match your wallplate or décor.
1. Lift the air gap tab at the base of the paddle.
2. Push side tabs in on one side and then the other to release paddle. Lift the cover up and off.
3. Simply put the new paddle onto the switch by inserting the air gap and side tabs and snapping securely into place.
Once this step has been completed, please return to section 3.

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.

The Clare-branded Add-on Switch is required for multi-switch 3-way or 4-way installations.
Connecting the traveler terminal of this switch to a standard, non-**Clare**-branded switch will cause damage or result in improper function. If this switch is a part of a 3-way or 4-way multi-switch installation, do not connect the traveler wire or apply power until **Clare**-branded Add-on Switches are correctly installed. For more information on 3-way or 4-way installations, view the manual or quick-start guide with the **Clare**-branded Add-on Switch.

This device supports association command class (3 Groups)
• Association Group 1 supports Lifeline, Binary Switch Report
• Association Group 2 supports Basic Set and is controlled by pressing the ON or OFF button with the local load
• Association Group 3 supports Basic Set and is controlled by double pressing the ON or OFF button
• Each Association Group supports 5 total nodes

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