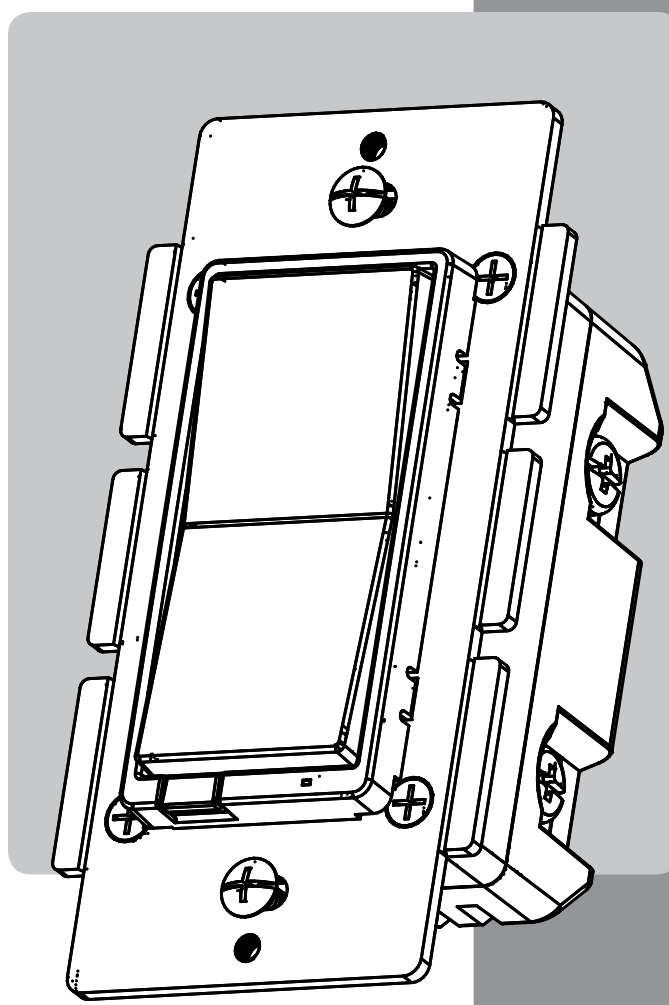


This device complies with Part 15 of the FCC and Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions:  
 (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause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

FCC — UZZ244002A | IC: 6924A-ZW4002A  
 Jasco Products Company | Model ZW4002 / 14287  
 CAN ICES-3(B) / NMB-3(B)

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DOC ID 2010  
 Rev 01



clare™

CVL-IWF-10

ClareVue  
 In-Wall Fan Control



Z-Wave® Certified Wireless Lighting Control

14287  
 ZW4002

**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](http://www.clarecontrols.com/warranty).

**SPECIFICATIONS**  
 ZW4002  
 Power: 120 VAC, 60 Hz | Signal (Frequency): 908.4/916 MHz  
 Maximum Loads: 2.5A No more than two identical fans to the switch. Not to exceed 2.5 Amp resistive load. CONTROLS FAN MOTOR ONLY. For use only with split capacitor or shaded pole ceiling fan motors.  
 Range: Up to 150 feet line of sight between the Wireless Controller and the closest Z-Wave receiver module.  
 Operating Temperature Range: 32-104° F (0-40° C)  
 For indoor use only.  
 Specifications subject to change without notice due to continuing product improvement.

WARNING	
<p><b>RISK OF FIRE</b>  <b>RISK OF ELECTRICAL SHOCK</b>  <b>RISK OF BURNS</b></p> <p><b>CONTROLLING APPLIANCES:</b>                  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, ALSO AN UNINTENTIONAL ACTIVATION MAY OCCUR IF THE WRONG BUTTON ON THE REMOTE IS PRESSED. Z-WAVE DEVICES MAY AUTOMATICALLY BE POWERED ON DUE TO TIMED EVENT PROGRAMMING. DEPENDING UPON THE APPLIANCE, THESE UNATTENDED OR UNINTENTIONAL OPERATIONS COULD POSSIBLY RESULT IN A HAZARDOUS CONDITION. FOR THESE REASONS, WE RECOMMEND THE FOLLOWING:</p> <ul style="list-style-type: none"> <li>DO NOT USE Z-WAVE DEVICES TO CONTROL ELECTRIC HEATERS OR ANY OTHER APPLIANCES WHICH MAY PRESENT A HAZARDOUS CONDITION DUE TO UNATTENDED OR UNINTENTIONAL OR AUTOMATIC POWER ON CONTROL.</li> </ul>	<p><b>NOT FOR USE WITH MEDICAL OR LIFE SUPPORT EQUIPMENT</b>                  Z-WAVE ENABLED DEVICES SHOULD NEVER BE USED TO SUPPLY POWER TO, OR CONTROL THE ON/OFF STATUS OF MEDICAL AND/OR LIFE SUPPORT EQUIPMENT.</p>

**1.**

**Tools you will need**

**IMPORTANT!**  
 No more than two identical fans to the smart switch. Not to exceed 2.5 Amp resistive load. CONTROLS FAN MOTOR ONLY. For use only with split capacitor or shaded pole ceiling fan motors.

**Getting to know your new Z-Wave device**

- Turn ON/OFF and adjust fan speed levels manually or remotely via the Z-Wave controller
- Can be included in multiple groups and scenes
- May be used in single pole installation or with up to two Clare-branded add-on switches in 3-way or 4-way wiring configurations
- Interchangeable paddle switch — white & light almond paddle in package
- Uses a standard, decorative-style 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 support the Z-Wave Configuration command class.

**2.**

A. Ground (Green/Bare)  
 B. Load (Black)  
 C. Line (Black)  
 D. Traveler (Red/Other)  
 E. Neutral (White)  
 F. Top Rocker — (Press & release to turn fan control on, press & hold to increase speed)  
 G. Bottom Rocker — (Press & release to turn fan control off, press & hold to decrease speed)

**Single-, dual- and triple-gang boxes**  
 When installing the In-Wall Smart Fan Control in multiple gang boxes it may be necessary to break off one or both sides of the scored tabs on the front yoke. This does not affect the electrical rating of the switch (see specifications for details).

**3.**

**OR**

**From Breaker Box** → **Out to Light (Load)**

**WARNING — SHOCK HAZARD**  
 Turn OFF the power to the branch circuit for the switch and 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 Add-on Switch manual

**Single switch wiring**  
 Before you start, you may wish to change the paddle color to match your wallplate or decor. Please proceed to Section 5.

- Shut off power to the circuit at circuit breaker or fuse box.
- IMPORTANT! Verify power is OFF to switch box before continuing.**
- Remove wallplate.
- Remove the switch mounting screws.
- Carefully remove the switch from the switch box. DO NOT disconnect the wires.
- There are up to five screw terminals on the switch; these are marked:  
 A. GROUND — Green/Bare  
 B. LOAD — Black (connected to fan)  
 C. LINE (Hot) — Black (connected to power)  
 D. TRAVELER — Red/Other (only in 3-way installations)  
 E. NEUTRAL — White

Match these screw terminals to the wires connected to the existing switch.

- Disconnect the wires from the existing switch. Be careful to label wires according to the previous terminal connection.

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

**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.

**Wire strip length**

- For attachment to screw terminals: Strip insulation 1/2" (12mm)
- 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).*

- Connect the green or bare copper ground wire to the GROUND terminal.
- Connect the black wire that goes to the light to the terminal marked LOAD.
- Connect the black wire that comes from the electrical service panel (Hot) to the terminal marked LINE.
- Connect the white wire to the neutral terminal (use included jumper wire if needed).

**NOTE: The Traveler terminal is only used for 3-way or 4-way wiring and should remain insulated if the fan control is being installed in a 2-way system (one switch & one load).**

- Insert fan control into the switch box being careful not to pinch or crush wires.
- Secure the fan control to the box using the supplied screws.
- Mount the wallplate.
- Reapply power to the circuit at fuse box or circuit breaker and test the system.

**Basic operation**  
**Note:** Before starting, fan must be set to 'HIGH' position using pull chain. The connected fan can then be turned ON/OFF and adjust speed levels in two ways:

- Manually from the front panel rocker of the In-Wall Fan Control.
- Remotely with a Z-Wave controller.

**Manual control**

- To turn the connected fan ON: Press and release the top of the rocker.

**NOTE:** Fan will return to last speed setting of fan control. Default setting — HIGH.

- To turn the fan OFF: Press and release the bottom of the rocker.

**Adjust fan speed**  
 The LED indicator confirms fan speed settings by flashing patterns:  
 LOW — LED will blink every 2 seconds for 10 seconds  
 MEDIUM — LED will blink every second for 10 seconds  
 HIGH — LED will blink every half second for 10 seconds

- To decrease fan speed: Press and hold lower rocker.
- To increase fan speed: Press and hold upper rocker.

**Disable / Enable LED**

- Press UP three (3) times then quickly press and release DOWN one (1) time.
- Repeat to disable/enable LED.

**4.**

**Adding your device to a Z-Wave network**

- Follow the instructions for your Z-Wave certified controller to add a device to the Z-Wave network.
- Once the controller is ready to add your device, press and release the top or bottom of the wireless smart switch (rocker) to add it to the network.

*Please reference the controller's manual for instructions.*

Now you have complete control to turn your fixture ON/OFF and adjust fan speed levels 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.

**To remove and reset the device**

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

**To return your switch to factory defaults**  
 Quickly press ON (Top) button three (3) times then immediately press the OFF (Bottom) button three (3) times. The LED will flash ON/OFF 5 times when completed successfully.  
**NOTE: This should only be used in the event your network's primary controller is missing or otherwise inoperable.**

**5.**

**To change color of the paddle**  
 This step is optional. Before you start, you may want to change the color of the paddle to match your wallplate or decor.

- Lift the air gap tab at the base of the paddle.
- Push side tabs in on one side and then the other to release paddle. Lift the cover up and off.
- Simply put the new paddle onto the fan control by inserting the air gap and side tabs and snapping securely into place.

Once this step has been completed please return to Section 3.

**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 that comes with the Clare Add-on switch.

**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.

DOC ID 2010  
 Rev 01

**This device supports Association Command Class (3 Groups)**

- Association Group 1 supports Lifeline, Switch Multilevel 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