FCC / IC

This device complies with Part 15 of the FCC and Industry Canada license-exempt RSS standard(s). (1) this device comparison of 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 car 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.



clare™

CLR-CVL-OSS-DW40

ClareVue 40 Amp Outdoor Z-Wave Switch

FCC ---- U2ZZW4007 | IC: 6924A-ZW4007 Jasco Products Company | Model ZW4007 / 14285 CAN ICES-3(B) / NMB-3(B)

All brand names shown are trademarks of their respective owners.

DOC ID 2001 Rev 01



3. 4. Tools you will need Getting to know your new Z-Wave device Operation mode switch allows operation without requiring Z-Wave network Operati Remote ON/OFF control via the Z-Wave controller, on mobile devices ٤) Manual override ON/OFF control with the exterior-mounted pushbutton Weather-resistant, rainproof housing; suitable
 for use outdoors in damp or wet conditions 1/2" 3/4" ဂို Ô Lockable tamper-resistant metal case ensures secure connection and keeps dirt & debris out Energy monitoring capability allows remote monitoring of watts and kilowatt hours with compatible systems

> 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.

Before you start, follow the instructions below to remove knockouts in order to

route wiring to connection terminals. Knockouts may be made 1/2" or 3/4".

Place small blade screwdriver into inner ring of knockout circle as pictured above.
 Tap down lightly with the screwdriver in order to punch the 1/2" knockout loose.

With pliers, grip outer ing of knockout circle.
 Gently twist and pull in order to remove outer ring and form 3/4" knockout.



 RECOMMEND INSTALLATION LICENSED ELECTRICIAN. CAUTION: RISK OF ELECTRIC SHOCK • MORE THAN ONE DISCONNECT SWITCH MAY BE REQUIRED TO DE-ENERGIZE THE DEVICE BEFORE SERVICING. HIGH VOLTAGE (THERE MAY BE MORE THAN ONE SOURCE OF SUPPLY) DISCONNECT ALL POWER SOURCES BEFORE SERVICING. USE COPPER CONDUCTORS ONLY. CLOSE THE COVER AFTER USE. • TIGHTEN CONNECTIONS TO 25 LBF-IN. • USE CORRECT GAUGE WIRE (8-14 AWG) BASED ON LOCAL ELECTRICAL CODE OF AT LEAST 80°C RATING (SINGLE CORE IN 8 AWG). RAINTIGHT, APPROVED FOR OUTDOOR USE

•WIRE STRIP LENGTH 1/2". GROUNDING NATIONAL ELECTRICAL CODE REQUIRES
 THAT GROUNDING MUST BE CONTINUOUS
 AND IN PROPER ELECTRICAL CONTACT IN ALL GROUNDING CONDUCTORS METALLIC

CONDUITS AND GROUNDING TERMINALS.



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

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 F MEDICAL AND/OR LIFE SUPPORT EQUIPMENT

SPECIFICATIONS

ZW4007 Power: 120-277 VAC, 60Hz, Single Phase Signal (Frequency): 908.4 MHz / 916 MHz Range: Up to 150 feet line of sight between the Wireless Controller and the closest Z-Wave receiver module. Operating Temperature Range: -22 to 104° F (-30 to 40° C) For outdoor use in dry, damp or wet locations. Contact Ratings: 120-277 VAC, 40A Resistive Single Phase 120-277 VAC, 20A Ballast load (Inductive) Single phase 125 VAC, 15 A Tungsten 250 VAC, 5 A Tungsten 1HP@120VAC, 2HP@240VAC



A. Indicator Lights RED light — indicates smart switch is powered GREEN light — indicates connected device is turned ON

B. Manual Override Button Single press — turn the connected device(s) ON/OFF when Operation Mode Switch is set to "Z-Wave"

Operation Mode Switch

ON — When set to " — " icon, the connected device has continuous power. Z-Wave control is disabled.

 $\mathsf{OFF}-\mathsf{When}\ \mathsf{set}\ \mathsf{to}\ ``\mathsf{O}\ ''\ \mathsf{icon},\ \mathsf{the}\ \mathsf{connected}\ \mathsf{device}$ has no power. Z-Wave control is disabled.

- Z-Wave When set to " == " icon. Z-Wave F control is enabled. The connected device is controlled by Z-Wave and the front pannel.
- D. Connection Terminal

E. Programming Button

F. S2 Security Label / SmartStart QR Code



Terminal 3/5: Jumper connection

between Terminals Terminal 4: Load Line 2

Terminal 6: Load Line 1

Connections

Terminal 1: 240V Line 1 Terminal 2: 240V Line 2

For proper wiring connections

- Strip ½" of insulation covering wires.
 Tighten all screw terminals to 25 lbf-in.
- Note: Improper tightening can cause overheating and equipment failure.

Warning! Turn off power to the switch at the service panel. Refer to 'Warning – Shock Hazard' above.

- 3. Open metal enclosure door. Raise plastic guard covering Terminals 1-6.
 Input voltage connection
 a. Connect 240VAC Line 1 (black) to Terminal 1.
 b. Connect 240VAC Line 2 (black) to Terminal 2.
 c. Connect ground wire (green/bare) to ground terminal.

- 5. Jumper connection
- Connect jumper wire between Terminals 3 and 5. 6. Load connection

- a. Connect Load Line 1 (black) to Terminal 6.
 b. Connect Load Line 2 (black) to Terminal 4.
 c. Connect ground wires (green/bare) to ground terminal.
 Lower plastic guard covering Terminals 1-6. Close metal enclosure door.
- Lower plastic guar
 Connection check

- Connector Organization of the second s
- IMPORTANT: Always close rain-proof door after use.

	120 VAC -	Single Loo	d Energy	/ Monitor	ed	
	1 2	3	4	5	6	
			A	A		
Line	1	Ne	<u>Lin</u> utral	e		LOA
Green/Bare		3	Ground			

Pre-installation

For 1/2" knockout

For 3/4" knockout

Create 1/2" knockouts as instructed

Terminal 3: Load Neutral Terminal 1: 120V Neutral Terminal 4: Load Line

Terminal 2: 120V Line For proper wiring connections

Connections

- Strip ½" of insulation covering wires.
 Tighten all screw terminals to 25 lbf-in.
- Note: Improper tightening can cause overheating and equipment failure.

- Warning Turn off power to the switch at the service panel.

 Refer to Warning Shock Hazard' above.

 Open metal enclosure door. Raise plastic guard covering Terminals 1-6.

 Input voltage connection

 a. Connect 120VAC line (block to Terminal 1.

 b. Connect 120VAC line (block to Terminal 2.

 c. Connect around vie (areen/bare) to around terminal

- c. Connect ground wire (green/bare) to ground terminal. 5. Load connection

- Load Connection Avertal (white) to Terminal 3.
 Connect Load Neutral (white) to Terminal 4.
 Connect Load Line (black) to Terminal 4.
 Connect ground wires (green/bare) to ground terminal.
 Connection check
 Onection check
- a. After 24 hours, disconnect power to module and check the connections.
- b. Open metal enclosure door. Raise plastic guard covering Terminals 1-6.
 c. Verify that all screws/connections are securely tightened.
 8. Lower plastic guard covering Terminals 1-6. Close metal enclosure door.

IMPORTANT: Always close rain-proof door after use.



Line

Connection between Terminals

P

Neutral

Terminal 6: Load 2 Line

Line

(LOAD)

LOAD

6

3

Terminal 3: Load 1 & 2 Neutral Terminal 4: Load 1 Line

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Choose a suitable mounting location

- Before you start, choose a location for mounting the
- box with the following considerations in mind:
- RF range can be affected by obstructions, metal objects, distance and weather. Mount unit as close to the Z-Wave controller as possible.
- Mount in a location with at least 4" of space above unit to allow space for antenna.
 Install upright, in vertical orientation.

Mounting the box for drywall

- Hold the box in place and use the three holes (highlighted above) to mark position on the mounting surface.
 Drill a 3/16" size hole for the drywall anchors at each

6

()

LOAD

- marked location.Insert an anchor in each hole gently tap the open end of anchor with a hammer until the anchor is almost flush with the wall.
 - 4. Mount the box to the anchors using the supplied screws

Hold the box in place and use the three holes (highlighted above) to mark position on the mounting surface.
 Drill a 3/32" size hole a each marked location.
 Mount the box to the surface using the 3 supplied #10 screws.

Mounting the box for plywood

- IMPORTANT! Always close the rainproof door after use.

Antenna setup

- 1. Make sure the black antenna wire is routed through
- the externally threaded hole on top of the unit. 2. A weather-resistant black rubber antenna cover is
- included in the metal casing. Place the plastic antenna cover over the wire and screw down securely.
- This device supports Association Command Class (3 Groups)
 - Association Group 1 supports Lifeline, Basic Report
 - Association Group 2 supports Basic Set and is controlled with the local load
 Association Group 3 supports Basic Set and is controlled by pressing the Programming button



button to remove it from the network.

To return your device to factory defaults



- Place device into ON mode (upper position of Operating Mode Switch)
- Press and hold the programming button.
 While holding programming button, place device into OFF mode (middle position of Operating Mode Switch).
 While holding programming button, place device back into ON mode (upper position of Operating button).
- Operating Mode Switch).
- 5. After three (3) seconds, release programming button. Green LED will flash 5 times when completed successfully.

Note: This should only be used in the event your network's primary controller is missing or otherwise inoperable.



120 VAC - Dual Load (Load 1 Monitored)

Ground

120 VAC - Dual Load (Total of Both Loads Monitored)

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Neu

Line

Connections

Green/Bare

Terminal 2/5: 120V Line/Jumper

Connection between Terminals

Terminal 1: 120V Neutral / Load 2 Neutral

Terminal 3: Load 1 Neutral

Terminal 4: Load 1 Line

Terminal 6: Load 2 Line

Z-WAVE INTEROPERABILITY This product can be added 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.

· Each Association Group supports 5 total nodes DOC ID 2001 Rev 01