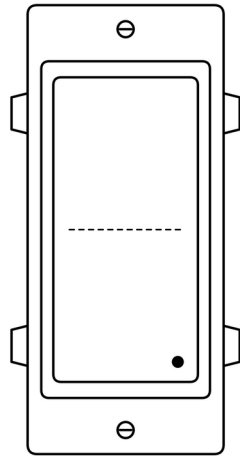


versa

SWITCH-ZW

In-Wall Smart Paddle Switch

Z-Wave 800 Long Range · 908.42 MHz · S2 Security · SmartStart



INSTALLATION MANUAL

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Specifications

Input voltage	125 VAC, 60 Hz
Frequency	908.42 MHz (Z-Wave US)
Range	Up to 1300 ft direct-to-controller (LR) · 330 ft (100 m) per hop (mesh)
Tungsten / INC / ballast / LED	1250 W (10 A) max
GP / resistive	1875 W (15 A) max
Motor load	1/2 HP max
Wiring	Single-pole or 3-way; neutral required
Wire	Copper only, 14 AWG or larger, 80 °C min
Terminal torque	12 lbf-in (14 kgf-cm)
Operating temp.	32–104 °F (0–40 °C)
Use	Indoor installation only, dry location — see Safety & Warnings
Listing	ETL Listed — UL 60730-1 · CSA E60730-1:2015 · Intertek 5030071
FCC ID	2AD9XSWITCH-ZW
Version	1.0 (Z-Wave SDK 7.24.1, Z-Wave version 8.2)
Warranty	2 years

Features

- In-wall on/off — single-pole or 3-way
- Z-Wave 800 Long Range, S2 security, SmartStart
- Central Scene support (2-tap each paddle)
- Restores state after power failure
- Built-in Z-Wave repeater
- Works with any Z-Wave certified hub

LED indicator

State	Meaning
Solid blue	Switch status (see parameter 2)
Blue flashing	Inclusion or exclusion in progress
Green solid 2 s	Inclusion or exclusion success
Red solid 2 s	Inclusion or exclusion failed
Green flashing 3×	Parameter changed successfully
Red flashing 3×	Parameter change failed
Purple flashing	Factory reset in progress
Purple solid 2 s	Factory reset complete

BEFORE YOU INSTALL

⚠ **TURN OFF the breaker before removing the wall plate. Verify with a non-contact voltage tester. Lighting loads only — see Safety & Warnings for the full list of loads this switch must not control.**

You will need

- Phillips & flat-blade screwdrivers, wire stripper, voltage tester
- Single-gang wall box, 2-3/4" min depth; 14 AWG or larger copper wire

Identify wires

- Line (black) → LINE terminal
- Load (black/red) → LOAD terminal — line and load can't be swapped
- Neutral (white) → NEUTRAL terminal — required
- Ground (bare/green) → GROUND terminal (green, top of the switch)
- Traveler (3-way only, red) → TRAVELER terminal

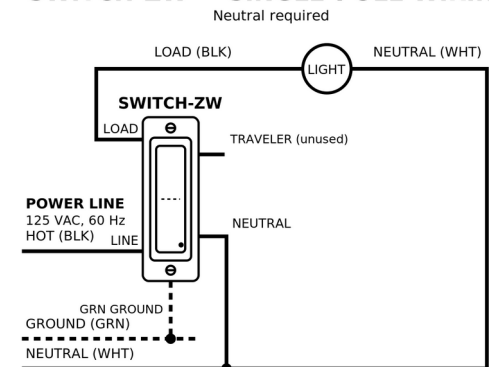
Install wires into the terminals

Strip each wire 5/8" (16 mm). Loosen the screw terminal counter-clockwise a few turns until you feel resistance. There are two holes behind each terminal — insert the straight wire into one of them and tighten the screw clockwise to 12 lbf-in (14 kgf-cm). Don't wrap wires around the screws, and don't use power tools.

WIRING — SINGLE-POLE

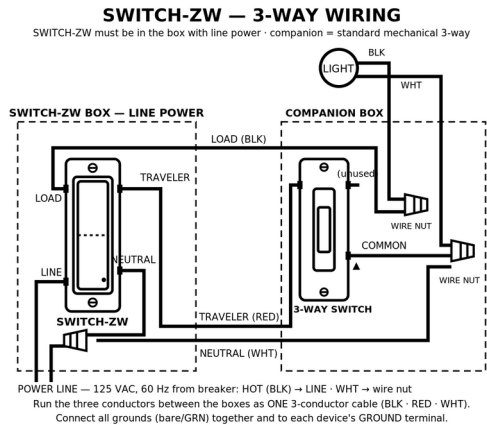
Power OFF. Ground → GROUND, Neutral → NEUTRAL, Line → LINE, Load → LOAD. The neutral is usually a bundle — land the supplied white jumper from that bundle on the NEUTRAL terminal. Tug-test each wire, fold the wires back into the box, mount the switch, then restore power.

SWITCH-ZW — SINGLE-POLE WIRING



WIRING — 3-WAY

SWITCH-ZW must be installed in the box that has line power. The companion must be a standard mechanical 3-way switch. Run the traveler (red) from the TRAVELER terminal to a traveler screw on the companion, and run a white conductor from the companion's COMMON screw back into the neutral bundle. The companion makes and breaks that loop only — no load current passes through it.



If your wiring doesn't match, stop and consult an electrician.

Z-WAVE NETWORK SETUP

Add the device (inclusion)

Set your controller to add a device. Press the TOP paddle 3× quickly — the blue LED flashes. Green 2 s = success. Red 2 s = failed, retry.

Remove the device (exclusion)

Set your controller to remove a device. Press the BOTTOM paddle 3× quickly.

Factory reset

Press the BOTTOM paddle 2× quickly, then hold for at least 10 seconds. Purple flashing → solid purple 2 s = reset complete.

SmartStart

Scan the Z-Wave QR code on the metal yoke under the paddle with a SmartStart-capable controller. The full DSK is printed on the carton. The switch is added automatically within 10 minutes.

First power-up

A switch that has never joined a network powers up with the relay OFF and the blue LED on. A switch that was already in a network returns to its last state with a soft start.

Association groups

Group 1 — Lifeline (5 nodes, Binary Switch Report)

Group 2 — Single Press (5 nodes, sends Basic Set on a local paddle press)

PARAMETER SETTINGS

Set from your hub. The LED flashes green 3× for success, red 3× for failure.

#	Parameter	Default	Values
1	Button Function	0	0=Top ON/Bot OFF (def), 1=Top OFF/Bot ON, 2=both toggle
2	LED Indicator	0	0=paddle position (def), 1=relay, 2=off, 3=on
4	Auto Turn-Off	0	Minutes 1–65535. 0=disabled.
6	Auto Turn-On	0	Minutes 1–65535. 0=disabled.
8	Restore After Power Fail	2	0=off, 1=on, 2=last state (def)

Paddle functions

- Top 1×: ON · Bottom 1×: OFF (Param 1)
- Top 2×: Scene 1 · Bottom 2×: Scene 2
- Top 3×: include · Bottom 3×: exclude
- Top 8×: cycle Param 1 · Bottom 8×: cycle Param 8
- Bottom 10×: cycle Param 2

Z-WAVE INTEROPERABILITY

Works with any Z-Wave certified network. All non-battery nodes act as repeaters. SWITCH-ZW supports Lifeline (group 1); most controllers configure this automatically during inclusion.

CERTIFICATIONS & COMPLIANCE

- ETL Listed (c-US) — UL 60730-1 · CSA E60730-1:2015 · Intertek 5030071
- FCC Part 15 Class B · FCC ID: 2AD9XSWITCH-ZW
- Z-Wave Plus certified · Z-Wave 800 Long Range, SDK 7.24.1

FCC compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to: (1) this device may not cause harmful interference; (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Class B

This equipment has been tested and complies with Part 15 Class B limits, providing reasonable protection against interference in residential installations. If interference occurs (verify by powering off and on), try:

- Reorient or relocate the receiving antenna.
- Increase separation between equipment and receiver.
- Connect to a circuit different from the receiver.
- Consult a qualified radio/TV technician.

RF exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. Install and operate with a minimum distance of 20 cm between the radiator and any person.

SAFETY & WARNINGS

⚠ RISK OF FIRE / ELECTRIC SHOCK / BURNS

TURN OFF the breaker before installation. Verify with a voltage tester before touching any wires.

Do not exceed 1875 W (15 A) general purpose or resistive, 1250 W (10 A) tungsten/incandescent/ballast/LED, or 1/2 HP motor. Use copper conductors only. DO NOT use to control receptacles, tube/fluorescent fixtures, transformer-supplied fixtures, heat lamps, or sun lamps.

Medical equipment

Do not use this switch to control medical or life-support equipment.

Controlling appliances

Use extreme caution with appliances. Schedules, automations, or network errors may cycle a device unintentionally. Do not include appliance-controlling devices in groups or scenes, and do not use Z-Wave to control electric heaters or any device that could become hazardous if unattended.

Caution — please read

Install per the National Electrical Code and local regulations. Where required by code, installation must be performed by a qualified, licensed electrician. If unsure, consult an electrician.

WARRANTY

Versa Wireless products are warranted free from manufacturing defects for two years from the original date of consumer purchase. Limited to repair or replacement; does not cover consequential or incidental damage. This warranty is in lieu of all other warranties expressed or implied. Some states do not allow such limitations, so they may not apply to you. You may have other rights that vary by state.

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