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QR Code or visit:
inov.li/vzw30sn

VZW30-SN **Instructions**

Next Gen Smart Lighting

We're excited to have you on this journey with us and we're here for you every step of the way. Not only are we smart home owners ourselves, but we build all of our products alongside 1,000's of passionate community members. To see how the project came to life and how everyone contributed, please see Page 68 or visit: inov.li/pulsar. It's truly amazing working with people of all walks of life and even more humbling to see everyone's dedication to making some of the best smart home products.

Thank you so much for your trust in us and welcome to the next generation of smart lighting with Inovelli.

Eric H. - Founder/CEO

Eric M. - Founder/CTO

Handwritten signatures of Eric H. and Eric M. in black ink. Eric H.'s signature is on the left, and Eric M.'s signature is on the right.

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Navigating this Manual

We designed this manual as if we were installing the switch ourselves. We suggest reviewing the full manual before beginning the installation process. There are four areas this manual covers:

1. Getting to know your switch
2. Figuring out your wiring
3. Connecting to your hub/gateway

As we continue to work with hub manufacturers, and improve our products. It may be necessary to periodically update this manual. You can always find the latest version of this manual by visiting: inov.li/vzw30sn

Quick Setup & Inclusion.

Quick Setup Notes

We get it, you're ready to go. No need to flip through the manual, you want the abridged version. **This section assumes you have your switch wired correctly and the blue LED Bar is lit up.**

It also assumes you know how to enter the Z-Wave® pairing mode on your hub/gateway (and have a Z-Wave® compatible hub/gateway).

To see which hubs are compatible, please visit: inov.li/vzw30snhubs

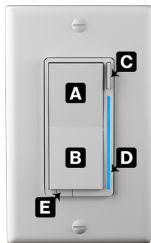
While these instructions likely won't change, for the most up-to-date instructions, we recommend scanning the QR code to the right or to visit: inov.li/vzw30snQS



Including/Excluding Your Switch

To include (pair) your switch, start the Z-Wave® inclusion process on your hub and rapidly tap the config/favorites button (D) three times. The LED Bar (C) will pulse blue to indicate inclusion mode and flash green if pairing is successful.

If inclusion fails, you can reset the switch by putting your hub in exclusion mode and pressing the config/favorites button (C) three times. The LED Bar (D) will pulse blue and flash green if exclusion is successful, or red if not. Alternatively, hold down the top paddle (A) and the config/favorites button (C) simultaneously for 20 seconds until the LED Bar turns red, then release. After exclusion, you can try pairing again.



Getting to Know Your Switch

Please use the next couple pages to get to know your smart switch.

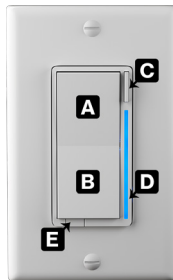
- A. Light On:** Tap 1x to turn on your light. In addition, it can be used to activate scene control (multi-taps and holds) where up to 7 scenes can be added*.
- B. Light Off:** Tap 1x to turn off your light. In addition, it can be used to activate scene control (multi-taps and holds) where up to 7 scenes can be added*.
- C. Config / Favorites Button:** Used to configure certain parameters of the switch. In addition, it can be used to activate scene control (multi-taps and holds) where up to 7 scenes can be

added*.

D. RGB LED Bar: Multi-functional LED bar that shows the % level at which your switch is at. In addition, it can be used as a notifier* for various events (ie: turn red when alarm is armed, pulse purple if garage is left open, etc).

E. Air Gap: This can be pulled out to cut power to the load and is there for safety purposes.

Note: the humidity sensor is located under the paddle



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Wiring.

Wiring Notes

Due to the number of ways these switches can be wired, all schematics are housed online and you can access the schematics by scanning the QR Code at the bottom right, or by visiting: inov.li/vzw30snwiring

To work your way through this section, first read the warnings, then familiarize yourself with the vernacular used. Finally, keep notes as you go through the first three (3) steps as you will use them to determine whether or not your wiring is compatible.

Finally, please do not attempt to install these switches if you are unfamiliar with electrical as serious injury can occur.



Safety Reminder

Consult a qualified electrician if necessary as **we are unable to give wiring advice outside of schematics.**

If you are unsure how electrical circuits work, please do not try installing this device. As exciting as it is to have a smart switch installed, it can be dangerous and even life-threatening if you do not install it correctly. Improper installation will void the product's warranty.

Please read through the warnings on the next few pages before installing your switch. We can't stress enough how dangerous installation can be if you don't know what you're doing.

Warnings

Caution - Please Read: This device (VZW30-SN) 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. This product is made for indoor use only and is not designed or approved for use on power lines other than 120VAC or 277VAC, 60Hz, single phase. Attempting to use this VZW30-SN on non-approved power lines may have hazardous consequences.

Attention - Information importante: Cet appareil (VZW30-SN) est conçu pour être installé conformément au « National Electric Code » et aux réglementations locales aux

États-Unis, ou au Code canadien de l'électricité et aux réglementations locales canadiennes. Si vous ne vous sentez pas à l'aise ou qualifiés pour effectuer cette installation, veuillez consulter un électricien qualifié. Ce produit est conçu pour une utilisation intérieure uniquement et n'est pas conçu ou approuvé pour une utilisation avec une ligne électrique ayant un voltage autre que 120 VCA, 60 Hz, monophasé. L'utilisation du VZW30-SN avec une ligne électrique non approuvée peut avoir des résultats dangereux.

Other Warnings: Risk of Fire, Electrical Shock & Burns

Autres avertissements: Risque d'incendie, de choc électrique et de brûlures

Warnings (Continued)

Recommended Installation Practices:

- Use only indoors or in an outdoor rated box.
- Turn off the circuit breaker. Installing this switch with the power on will expose you to dangerous voltages.
- Connect only copper or copper-clad wire to the switch.

To prevent overheating and potential damage to other equipment, do not exceed the load limits specified in the table on page 17 for the VZW30-SN.

A “General Purpose Load” includes non-lighting devices such as electric heaters, coffee machines, and fans.

Maximum load values apply to both 120VAC and 277VAC, except for incandescent loads, which are listed separately.

Load Type	Max Load	Load Type	Max Load
General Purpose Load	1800W	Incandescent (277V)	1385W
Resistive Load	15A	Incandescent (120V)	960W
Motor Load	1/2HP	LED/CFL	600W

To install your On/Off Switch (VZW30-SN), you'll need to identify the following four wires (**NOTE:** A neutral wire **is mandatory**):

- **Line:** Usually black and can also be called the, "hot" or "live" and carries 120/277VAC electricity into the electrical box
- **Neutral:** Usually white and is commonly daisy chained from box to box, usually appearing as a white wire bundle
- **Load:** Usually black, blue or red
- **Ground:** Bare copper wire or metal fixture (if grounded)

Warnings (Continued)

Pratiques d'installation recommandées :

- Utiliser uniquement à l'intérieur ou dans une boîte extérieure.
- Éteignez le disjoncteur. L'installation de cet interrupteur avec l'appareil sous tension vous exposera à des tensions dangereuses.
- Connectez uniquement du fil de cuivre ou recouvert de cuivre au commutateur.

Pour éviter la surchauffe et les dommages potentiels à d'autres équipements, ne dépassez pas les limites de charge spécifiées dans le tableau de la page 19 pour le VZW30-SN.

Une « charge à usage général » comprend les appareils non liés à l'éclairage tels que les radiateurs électriques, les machines à café et les ventilateurs.

Les valeurs de charge maximales s'appliquent à la fois à 120 VCA et à 277 VCA, à l'exception des charges à incandescence, qui sont répertoriées séparément.

Type de charge	Maximum	Type de charge	Maximum
Charge à usage général	1800W	Incandescent (277V)	1385W
Charge résistive	15A	Incandescent (120V)	960W
Charge du moteur	1/2HP	LED/CFL	600W

Pour installer votre interrupteur marche/arrêt (VZW30-SN), vous devrez identifier les quatre fils suivants (REMARQUE : un fil neutre est obligatoire) :

- **Ligne** : généralement noire et peut également être appelée « chaud » ou « sous tension » et transporte l'électricité 120/277VAC dans le boîtier électrique.

Warnings (Continued)

- **Neutre** : généralement blanc et généralement connecté en série d'une boîte à l'autre, apparaissant généralement sous la forme d'un faisceau de fils blancs.
- **Charge** : généralement noire, bleue ou rouge
- **Terre** : Fil de cuivre nu ou luminaire métallique (si mis à la terre)

Vocabulary

Before we go into actual steps, it's important to be familiar with the vernacular used on the following pages. Please see below:

- **Line:** This is your hot wire (120V/277V) - aka: "live" wire
- **Load:** This is the wire that runs from your light switch to what you're controlling (ie: bulb(s), fan, etc)
- **Neutral:** This is the wire that carries current back to the power source
- **Single-Pole:** One switch controlling one or more load(s)
- **Multi-Way:** Refers to 3-Way (2 switches, 1 load), 4-Way (3 switches, 1 load), or 5-Way setups (4 switches, 1 load)
- **Aux Switch:** Refers to the Inovelli Aux Switch (inov.li/aux)

Step 1 - Determine Wiring Type

The first step is to determine how many switches control your load(s) (aka: light(s)).

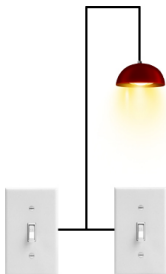
Using the diagram on the next page, please determine what your wiring type is and remember this selection:

- **Single-Pole:** One switch controls one load (load may contain more than one light, etc).
- **Multi-Way:** Two or more switches control one load (load may contain more than one light, etc). We will use the term, "multi-way" instead of 3-Way, 4-Way, 5-Way, etc as the programming of the switch is the same regardless.



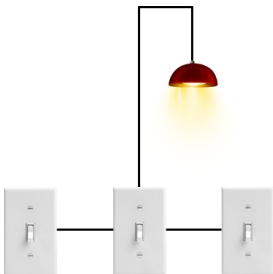
Single-Pole

One switch controls one (or more) load(s).



Multi-Way

Two or more switches control one (or more) load(s).



Step 2 - Determine Switch Layout

NOTE: If you determined in Step #1 that your switch is single-pole, you can skip this step. This step is for multi-way setups only.

Using the diagram on the next page, please determine what your wiring layout is and remember this selection:

- **Smart Switch + Aux Switch:** One smart switch and one (or more) aux/add-on switch (Model #: AUX01 or inov.li/aux).
- **Smart Switch + Smart Switch:** Two (or more) smart switches.

See inov.li/vzw30snlayout for the pro/cons of each setup. You may not mix/match (ie: Smart + Aux) in the same circuit. This switch **DOES NOT SUPPORT USING A, "DUMB" SWITCH.**

Switch Layout (Circle One): Aux, or Smart Switch(es)



Smart + Aux Switch

One Inovelli smart switch & one (or more) Inovelli aux switch (AUX01).



Smart Switches

Two (or more) Inovelli smart switches.

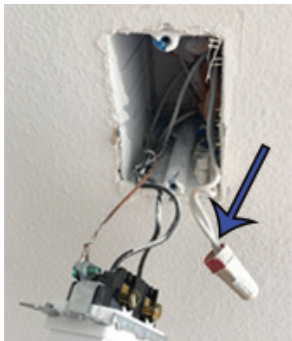
Step 3 - AC Power Type

In this step, we will determine if you have a neutral wire, which is typically white and located in the back in your switch gang-box (typically in a bundle of wires tied together).

Here are some signs you may have a neutral wire:

- If your house was built in the mid-1980's or later
- If there is an outlet (receptacle) near the switch
- If switches are in the same gang-box (regardless of the year your house was built)

See the next page for details on checking for a neutral wire.



After turning off your breaker, pull out the switches (**WARNING:** there may be multiple circuits in one gang-box -- please ensure all circuits are turned off). Check the back of your gang-box for a bundle of white wires. These are typically neutrals.

Step 4 - Compatibility Check

In this step, we will determine if your switch can be installed with your current wiring setup. If not, you can see some alternate solutions on how to accomplish compatibility.

Taking the answers you circled in Steps 1-3, please see the chart on the next page to see if your switch is compatible with your setup.

Example: If you circled, "Multi-Way", "Aux" and "Neutral", you will see that your wiring is compatible. However, if you circled, "Multi-Way", "Smart Switch" and "No Neutral", you will see that your wiring is not compatible and you will need to purchase an auxiliary switch (inov.li/aux).

Wiring Type		Switch Layout	Power Type	Supported
Single-Pole			Neutral	Yes
			No Neutral	No
Multi-Way	Aux (Switch)		Neutral	Yes
			No Neutral	No
	Smart (Switch)		Neutral	Yes
			No Neutral	No

IMPORTANT: This switch is not compatible in non-neutral situations. If you do not have a neutral wire, we recommend purchasing our non-neutral dimmer switch (inov.li/reddimmer) and ensuring the load you're controlling is compatible.

Step 5 - Switch Installation

The last step is to physically install your switch. After you've determined your wiring type, switch layout, AC Power type and whether or not you have a compatible setup, it's time to look at the wiring schematics and install your switch.

As mentioned, there are many different ways your switch can be wired that if we posted them here, we'd have an encyclopedia of a manual, so all of our schematics are housed online. [UL specifies the tightening torque for the screws to be 0.8 N.m \(7.08 lbf-in\).](#)

Keep note of your answers from the prior steps and either scan the QR Code to the right or go to: inov.li/vzw30snwiring and match up your answers to the correct schematic section.



Hub/Gateway Setup.

Hub/Gateway Setup Notes

As manufacturers update their hub/gateway platforms, the setup process may change. We recommend checking our website for the latest directions, by scanning the relvant QR code.

If you don't see your hub, please go to: inov.li/vzw30sn0T

SmartThings



[inov.li/
vzw30snST](https://inov.li/vzw30snST)

Home Asst. Z-Wave® JS



[inov.li/
vzw30snZWJS](https://inov.li/vzw30snZWJS)

Home Asst. Z-Wave® JS UI



[inov.li/
vzw30snZWJSUI](https://inov.li/vzw30snZWJSUI)

Hubitat



[inov.li/
vzw30snHE](https://inov.li/vzw30snHE)

SmartThings Instructions

COMPATIBLE HUBS: Samsung SmartThings Hub V1, V2 and Samsung or Aeotec Hub V3 (NOTE: You will need to install an Edge Driver to ensure full functionality of the switch. For more info, please go to: inov.li/vzw30snSTPrereqs).

First, ensure the QR Code is exposed on your switch (located at the bottom left), then follow the directions below:

- Open the SmartThings app and click on the devices icon
- Tap on the (+) button and click, "Add Device"
- Near the bottom, click, "Scan QR Code" and scan the QR Code
- When it says, "Getting Ready", click the config button 3x to start pairing (the LED Bar will start to pulse blue)
- If successful, the LED Bar (C) will turn green and your app will show the new switch (feel free to rename it)

Home Assistant Instructions

COMPATIBILITY: We recommend either Z-Wave JS or Z-Wave JS UI (formerly Z-Wave JS2mqtt). NOTE: you will also need a compatible Z-Wave stick - a full list can be found here: Z-Wave JS = inov.li/vzw30snZWJSsticks or Z-Wave JS UI = inov.li/vzw30snZWJSUIsticks).

You didn't think we'd be able to fit the HA instructions in here, did you?! Please visit our website :)

Z-Wave® JS Instructions



inov.li/vzw30snZWJS

Z-Wave® JS UI Instructions



inov.li/vzw30snZWJSUI

Hubitat Instructions

COMPATIBLE HUBS: Hubitat C3, C4, C5 and C7 (NOTE: You will need to install a Device Driver to ensure full functionality of the switch. We recommend doing this prior to pairing. For more info, please go to: inov.li/vzw30snHEPrereqs).

First, ensure the QR Code is exposed on your switch (located at the bottom left), then follow the directions below:

- Login to your Hubitat portal and click on the devices tab
- Tap on the (+) Add Device button and click, "Z-Wave" under, "Add device manually"
- Click, "Start Z-Wave Pairing" and your hub should go into pairing mode (at this point, scan the QR Code on the switch)
- Tap the config button 3x (the LED Bar will start pulsing blue)
- If successful, the LED Bar (C) will turn green and your app will show the new switch

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Advanced Features.

Advanced Features Notes

NOTE: The advanced features shown below are what is built into the switch firmware, and may or may not be supported by your hub/gateway. We've confirmed they're supported on SmartThings, Hubitat, and Home Assistant (Z-Wave JS, and Z-Wave JS UI).

These switches are packed with a ton of amazing features, which include scene control (multi-tap), animated notifications, smart bulb mode, energy monitoring, and approximately 50 different parameters to customize your switch.

The manual does not have enough room to list out and explain all the parameters and advanced features. However, the following pages will direct you to the proper URL's. An overview can be found at the QR code to the right or at the following URL: inov.li/vzw30snAF



Switch Parameters

There are approximately 50 different parameters on this switch, making it one of the most customizable switches out there.

Due to the space constraints in this manual, we had to list them all out on our website. You can access these parameters by scanning the QR Code or by visiting: inov.li/vzw30snparameters

Other Advanced Features

To setup some of the other advanced features, such as: Animated Notifications, Scene Control, Smart Bulb Mode and Z-Wave Binding, please see the URL's below as the instructions will be different depending on the hub you're using.

- **Animated Notifications:** inov.li/vzw30snAN
- **Scene Control:** inov.li/vzw30snSC
- **Smart Bulb Mode:** inov.li/vzw30snSBM
- **Z-Wave Associations:** inov.li/vzw30snZA

As noted on page 39, your switch has the ability to program parameters from the configuration button. To learn more, please visit: inov.li/vzw30snLC

Z-Wave® Information.

DSK Location & Long Range

The DSK information required for some inclusion methods can be found either on the product (QR Code located at the bottom front-left of the switch), or on the back of the box at the bottom left (QR Code located at the bottom right). Please keep this in a safe space or write it down for your records.

This switch supports Z-Wave® Long Range and can be included into a network with a compatible Z-Wave® Long Range hub/gateway.

To include via Long Range, enable Long Range support in your hub/gateway and add the DSK into the provisioning list. Then apply power to the switch and wait for the device to be added to the network.

Z-Wave® Association Groups

Grouping Identifier	Max Nodes	Send Commands
Group 1 * Mapping info can be found on pg. 57	10	1. Meter Report
		2. Protection Report
		3. Central Scene Notification
		4. Device Reset Locally
		5. Indicator Report
		6. Sensor Multilevel Report
		7. Switch Multilevel Report
Group 2	10	Basic Set
Group 3	10	Switch Multilevel Set

Grouping Identifier	Max Nodes	Send Commands
Group 4	10	Switch Multilevel Start/Stop
Group 5	10	Double-Tap Basic Set
Group 6	10	Triple-Tap Basic Set
Group 7	10	Fan Module Basic Set

Group 1: Lifeline

Members of this group will receive unsolicited messages related to the status of the switch

Group 2: Basic Set

Sends On & Off commands to associated devices

1. Single press on the up button sends BasicSet (0xFF)
2. Single press on the down button sends BasicSet (0x00)

Group 3: Switch Multilevel Set

Sends set level commands to associated devices when switch is pressed.

1. Release up or down button sends Switch MultiLevelSet which keeps associated devices in sync with this device
2. Single press on the up button sends SwitchMultiLevelSet (0xFF)
3. Single press on the down button sends SwitchMultiLevelSet (0x00)
4. If param. 53 = 1, 2x press up sends SwitchMultiLevelSet to P55
5. If param. 54 = 1, 2x press down sends SwitchMultiLevelSet to P56

Group 4: Switch Multilevel Start/Stop

Sends start / stop level change to associated devices (only in dimmer mode)

1. Hold up button sends SW_MULTILEVEL_START_LEVEL_CHANGE (Up)
2. Hold down button sends SW_MULTILEVEL_START_LEVEL_CHANGE (Down)
3. Release either button sends SW_MULTILEVEL_STOP_LEVEL_CHANGE

Group 5 & 6: Double or Triple-Tap Basic Set

Sends On & Off commands to associated devices

1. 2x/3x press on the up button sends BasicSet (0xFF)
2. 2x/3x press on the down button sends BasicSet (0x00)

Group 7: Fan Module Basic Set*

Sends On & Off commands to associated devices. Please refer to parameters 130 & 134.

- * **NOTE:** While Group 7 is labeled "Fan Module", it can be used for other Z-Wave devices that support on/off.

Z-Wave® Parameters & Meter

As mentioned on page 39, there are over 75 parameters on this switch and this manual would turn into an encyclopedia if we listed them all out. The most up-to-date parameter documentation can be found on our website here: inov.li/vzw30snparameters

Meter Command Information

Meter Type: 0x01 - Electric Meter

Meter Scale: 0x00 - kwh

Meter Scale: 0x02 - W

Rate Type: 0x01 - Import only (consumed)

Multilevel Switch Device Type Basic Mapping (Continued on Pg. 49)

- Basic Set (Value) maps to Multilevel Switch Set (Value)
- Basic Report (Current Value, Duration) maps to Multilevel Switch Report (Value, Duration)

Multilevel Switch Device Type Basic Mapping (Continued)

Multilevel Switch Set (value=0x00, Status=Off; value>0x00, Status=On)

Indicator Command Class

The indicator (blue color) on the LED Bar will flash according to the indicator set command received from the hub.

Indicator ID	Property ID
0x50 (NODE IDENTIFY)	0x03 (ON/OFF PERIOD)
0x50 (NODE IDENTIFY)	0x04 (ON/OFF CYCLES)
0x50 (NODE IDENTIFY)	0x05 (ONE TIME ON/OFF PERIOD)

Security 2 Command Classes

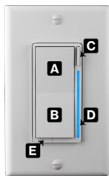
Command Class	Version	Required Security Class
Association	V2	S0/S2
Association Group Information	V3	S0/S2
Central Scene	V3	S0/S2
Configuration	V4	S0/S2
Device Reset Locally	V1	S0/S2
Firmware Update Meta Data	V5	S0/S2
Indicator	V3	S0/S2
Manufacturer Specific	V2	S0/S2
Meter	V2	S0/S2
Multi-Channel Association	V3	S0/S2

Command Class	Version	Required Security Class
Power Level	V1	S0/S2
Protection	V2	S0/S2
Security 0	V1	None
Security 2	V1	None
Sensor Multilevel	V11	None
Supervision	V1	None
Switch Multilevel	V4	S0/S2
Transport Service	V2	None
Version	V3	S0/S2
Z-Wave® Plus Info	V2	None

This device supports the Indicator Command Class (Version 3), which supports the Indicator ID 0x50 (Identify) and Properties ID 0x03, 0x04 and 0x05. In addition, it supports the Notification Command Class (Version 8), which supports the Home Security ID (0x07) and Properties ID (0x00 and 0x08).

LED Bar Indicators

This switch uses its LED bar to display when certain events take place and/or during configuration modes. Please see the chart below for more details and please visit the following URL to understand how to setup Animatied Notifications: inov.li/vzw30snAN



About	Sequence	Color / Animation
Inclusion / Exclusion	Auto-inclusion or tap Config (D) 3x rapidly	Blue / Pulse (Flashes Green if successful, Red if failed)
Factory Reset	Hold (A) & then config (D) together for 20s, and let go on red	Red / Slow Blink

About	Sequence	Color / Animation
Z-Wave® Signal Test	Hold Config (D) for 5-10 sec.	Green / Solid (Will change to Red if no signal, Yellow if weak signal, Green for good signal)
On / Off Mode	Hold Up (A) and tap Config (D) 3x	Red / Solid
Dimmer Mode (Virtual Only)	Hold Down (B) and tap Config (D) 3x	Orange / Solid
Enable Smart Bulb Mode	Hold Up (A) and tap Config (D) 4x	Yellow / Solid
Disable Smart Bulb Mode	Hold Down (B) and tap Config (D) 4x	Blue / Solid

About	Sequence	Color / Animation
3-Way Aux Mode	Hold Up (A) and tap Config (D) 5x	White / Solid
Single Pole Mode	Hold Up (A) and tap Config (D) 6x	Cyan / Solid
Button Delay Time Set to 0	Hold Up (A) and tap Config (D) 7x	Green / Solid
Button Delay Time Set to 5 (500ms)	Hold Down (B) and tap Config (D) 7x	Yellow / Solid
Enable Advanced Timer Mode	Hold Up (A) and tap Config (D) 8x	Cyan / Solid
Disable Advanced Timer Mode	Hold Down (B) and tap Config (D) 8x	Violet / Solid

About	Sequence	Color / Animation
Enable Local Protection Mode	Hold Up (A) and tap Config (D) 10x	Green / Solid
Disable Local Protection Mode	Hold Down (A) and tap Config (D) 10x	Red / Solid
Enable Remote Protection Mode	Hold Up (A) and tap Config (D) 15x	Green / Solid
Disable Remote Protection Mode	Hold Down (A) and tap Config (D) 15x	Red / Solid

This device supports the Indicator Command Class (Version 3), supports the Indicator ID 0x50 (Identify) and Properties ID 0x03, 0x04 and 0x05.

Manufacturer Compatibility

This product can be operated in any Z-Wave® network with other Z-Wave® certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network. Each module is designed to act as a repeater, which will re-transmit a radio frequency (RF) signal by routing the signal around obstacles and radio dead spots to ensure that the signal is received at its intended destination. The Inovelli Red Series Presence Switch is a security enabled Z-Wave Plus® device. A security enabled Z-Wave Plus® controller must be used in order to fully utilize the product.

Z-Wave® SmartStart

This device is compatible with SmartStart.

SmartStart enabled products can be added into a Z-Wave® network by scanning the Z-Wave® QR Code found on the bottom left corner of the switch, the back of the box or the insert inside the package with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switch on and in the network vicinity.

Factory Reset / Exclusion Info

To factory reset your device, first, hold the Configuration / Favorites Button (C) followed by the up button (A) for 20 seconds until the LED Bar (D) turns red and let go. The switch should blink red a few times indicating it has been factory reset. You may also use a certified Z-Wave® controller to remove the device from your network to factory default. Only use these procedures in the event that the primary controller is missing or otherwise inoperable.

Exclusion will reset your device as well and can be done directly from the hub. This is helpful if you're running into issues with inclusion. To exclude a device, start the exclusion process on your hub and press the Configuration / Favorites Button (C) 3x rapidly. The LED Bar (D) will start pulsing blue and if successful, it will flash green. If unsuccessful it will flash red.

Product & Contact Info.

Product & Contact Info Notes

As mentioned in the beginning of the manual, we're all smart home owners ourselves and have an amazing community of people who are eager to help and share their setups.

If you ever run into any issues, please do not hesitate to submit a ticket, or post in the community. We'd love to hear from you.

Community Link: inov.li/community

Submit a Ticket: inov.li/support (or scan the QR Code below)

Thanks again for your support and we look forward to helping you get the most out of our smart home!



FCC/IC Statements

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. 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.

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

FCC/IC Statements (Cont.)

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 or consult the dealer or an experienced radio/TV technician for help. This equipment should be installed and

operated with minimum distance 8in (20cm) between the radiator and your body.

IC Caution: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

DECLARATION DE CONFORMITE D'INDUSTRIE CANADA: Ce périphérique a été testé et reconnu conforme aux limites spécifiées dans RSS-210. Son utilisation est soumise aux deux conditions suivantes: (1) il ne doit pas provoquer d'interférences gênantes et (2) il doit tolérer les interférences, notamment celles susceptibles d'en perturber le fonctionnement.

Product Info

Name: Smart On/Off Switch + Humidity Sensing

SKU #: VZW30-SN

Power: 120V or 277V AC, 60Hz

Signal (Frequency): 908.42 MHz

Operating Temperature Range: 32-95° F (0-35° C)

Maximum General Purpose Load: 1800 Watts for both 120V and 277V

Maximum Resistive Load: 15 Amps for both 120V and 277V

Maximum Lighting Load (Watts): 120V AC - 960W Incandescent, 600W LED/CFL, 277V AC - 1385W Incandescent, 600W LED/CFL

Maximum Motor Load: 1/2 Horsepower for both 120V and 277V

Range: Up to 100 meters line of sight between the Wireless Controller (HUB) and the closest Z-Wave® Repeater.

Certifications: ETL Listed, FCC/IC & Z-Wave Plus® Certified

For indoor use only.

Company Info / Warranty

If you run into any issues, feel free to reach out to us at: contact@inovelli.com. We typically answer tickets within 24-48 hours and are staffed by actual smart home owners.

All Inovelli products come with a one (1) year warranty (defined as 365 days). This warranty protects you from breakdowns in the material or workmanship under normal use. This warranty is limited in a couple areas. Purchases must be made from Inovelli or an authorized reseller. The product should be used in the manner directed in the instructions. The product must only be used and/or installed in the United States or Canada.

For full warranty info, please visit: inov.li/warranty

Project Pulsar

This project started out as a special project for one of our home automation specialists (Kaleb) as he had been eager to run a project and excited about learning the process from start to finish. What better way to teach him than have him start where we started... with Z-Wave.

We went with Project Pulsar because, honestly, it just sounded cool. It has that futuristic, space-age vibe that fits the Red Series perfectly: bold, fast, and kind of mysterious. No deep symbolism here, just a name that felt right.

To see the origin of this project, as well as the journey scan the code or visit: inov.li/pulsar



Shut
Kohun Andy Peter Nathan 王宇坤

George 李宇坤 Rachel

Counting Chris NATE Jameson Don

唐忠清 李宇坤 Hamblin Alex Mark

Shunell Cody Kris

Thank You

inokelli®