#### How to test Z-Wave network range for my Power Switch?

You can easily check if the Power Switch is within your Z-Wave controller's range:

Press and hold the Z-Wave button for 6 to 9 seconds until the LED indicator turns violet. The LED indicator will then report signal strength.

- ▶ Flashing green = direct communication with the primary controller is established and still being
- communication with the primary controller is stable
- communication with the primary controller is intermittent and being diagnosed
- ▶ Solid red = communication with the primary controller has failed

Press and release the Z-Wave button to exit testing mode.

▶ Maximum Load: 15A, 1800W, ½ HP

▶ Operating Temperature: 14° – 104° F

▶ Range: Up to 130 feet line of sight ▶ Installation and Use: Indoor only

- ▶ Dimensions: 20" (with cord) x 2.6" x
- ▶ Weight: 10oz

#### Z-WAVE COMMAND CLASSE

This device requires the following command classes to be supported and recognized by your Z-Wave controller: COMMAND CLASS ALLSWITCH COMMAND CLASS ASSOCIATION COMMAND CLASS ASSOCIATION GROUP INFOR MATION COMMAND CLASS BASIC COMMAND CLASS CONFIGURATION

COMMAND CLASS FIRMWARE UPDATE MD COMMAND CLASS MANUFACTURER SPECIFIC COMMAND CLASS METER COMMAND CLASS POWERLEVEL COMMAND CLASS SCENE ACTIVATION

▶ Built-in range extender

▶ Local and Z-Wave wireless control of

vour favorite home appliances like

automation events when included to

▶ LED indicator to display Z-Wave signal

► On/Off status recovery after power

strength and power usage for the

enabled gateway controller for full

▶ Z-Wave Plus with improved 500 chip

for faster and more reliable wireless

▶ Added security with AES signal

encryption (requires a security

microwaves and refrigerators

▶ Energy monitoring in live mode or

over time (your Z-Wave gateway

needs to support this feature)

▶ Scene inclusion for custom

a Z-Wave gateway controller

▶ Model Number: ZEN15 ▶ Z-Wave Signal Frequency: 908.42 MHz

functionality)

communication

▶ Power: 120V, 60Hz

connected device

This function may only be activated once the Power Świtch has been included to a Z-Wave network.

### ADVANCED SETTINGS

f vour controller's software allows for advanced configuration and parameter adjustment, you will be able to change and save the settings below and customize the Power Switch to serve vour needs. Please refer to your controller's user guide for advanced programming instructions as they are a little different for each software.

#### Overload Protection

turn the Power Switch relay off once power exceeds 16.5A for over 5 seconds when this setting is enabled. We DO NOT recommend changing this parameter's value as it may result in device damage and malfunction.

Values: 0 - Disabled: 1 - Enabled (default).

COMMAND CLASS DEVICE RESET LOCAL

COMMAND\_CLASS\_SCENE\_ACTUATOR\_CONFIGU RATION

COMMAND CLASS SECURITY COMMAND CLASS SWITCH BINARY COMMAND CLASS VERSION COMMAND CLASS ZWAVEPLUS INFO

## On/Off Status Recovery After Power

occurs.

status prior to power outage and turns automatically turns ON once power is the status prior to power outage); Size: 1 byte dec.

## Parameter 20: Overload protection will

it to send the report.

Size: 1 byte dec.

powered by 220V to this Power Switch Let us know if you are having any issues will DAMAGE the device and may cause installing or operating the device. Our fast and friendly tech support is here the connected appliance to

to help, every day of the year: ask@getzooz.com

Get more helpful tips at getzooz.com

**BFFORF YOU RETURN I** 

following to this Power Switch: ▶ 220V water boilers Electrical drvers

This is an electrical device - please use caution when installing and operating the Power Switch. Remote control o appliances may result in unintentional or automated activation of power. Do not use this Z-Wave device to control electric heaters or other appliances ▶ 110V refrigerators rated at or below which produce the risk of fire, burns, or electrical shock when unattended.

#### INSTALLATION: PLEASE READ

Make sure the load you are about to connect does not exceed 1800W. 15A. or 1/2 HP in power. DO NOT CONNECT THIS SWITCH TO 220V APPLIANCES.

manually or remotely via Z-Wave (default): 2 – sends notification ONLY if <u>Parameter 21:</u> Choose the recovery state status is changed manually by pressing your Power Switch to report power consumption every 30 seconds.

Power Switch:

the change to be reported. So if 50 Watts report are entered by default, the Power Switch Values: 0 – 255; 0 – disabled (it will not will report any change in power usage report power consumption based on Parameter 24: Your Power Switch will over 50 Watts (whether it's at least 50 percentage change); 10 – default setting automatically send a notification to the Watts more or 50 Watts less compared to Size: 1 byte dec.

The number entered as value default setting <u>Parameter 151:</u> Choose how you want over for the event to be reported. So if <u>Energy Report Frequency</u>

### Power Report Frequency

Use the Z-Wave button to turn the lamp or appliance on and off manually. The plug is off when the LED indicator is lit Not sure if your equipment can be safely up in pink.

# Z-Wave button, LED Indicator

WIRFLESS CONTROL

Please include the Power Switch to your network BEFORE connecting it to the appliance you wish to control.

## Auto Z-Wave Inclusion

inclusion mode

seconds. So if 30 is entered by default. associated device. The number entered

- it will not report voltage levels) ▶ Ensure the device is never close to any Size: 4 byte dec.

## Parameter 174: Choose how often you

want your Power Switch to report levels

building renovations

2. Plug the Power Switch into a grounded receptacle located within direct range from your Z-Wave gateway controller

#### 3. The LED indicator will start flashing blue, then turn blue (on) or pink (off) once included 4. A new on / off device will be recognized by your Z-Wave controller Manual Z-Wave Inclusion

#### 1. Plug the Power Switch into a

- grounded receptacle located within direct range from your Z-Wave gateway controller 2. Put your Z-Wave controller into
- inclusion mode 3. Press and release the 7-Wave button:
- 4. The LED indicator will start flashing blue, then turn blue (on) or pink (off) once included
- 5. A new on / off device will be recognized by your Z-Wave controller

## Secure Z-Wave Inclusion

TIMES QUICKLY

1. Plug the Power Switch into a 1. Put your Z-Wave controller into grounded receptacle located within

#### ▶ Do not install the Power Switch in a place with direct sun exposure, high American safety standards. temperature or humidity

- Keep away from chemicals, water, and
- heat source or open flame to prevent
- electric power source that does not exceed the maximum load power
- or repaired by the user

repeaters regardless of vendor to increase reliability of the network.

This is an ETL certified device. ETL, just

sure your controller supports AES signal gateway controller 2. Put your Z-Wave controller in secure encryption

inclusion mode 3. Press and HOLD the Z-Wave button for

direct range from your Z-Wave

- .. Plug the Power Switch into a at least 3 seconds 4. The LED indicator will start flashing grounded receptacle located within green, then turn blue (on) or pink (off) direct range of your Z-Wave gateway once included controller
- 5. A new secure on / off device will be 2. Put your Z-Wave controller into recognized by your Z-Wave controller 3. Press and release the Z-Wave button 3.

button guickly 3 times, and then try

adding it to your network again

▶ If you are trying to include the Power

proof of product compliance to North

and only for physical goods, purchased from Zooz

This Limited Warranty covers any defects in

material or workmanship under normal use

according to instructions from the User Manual

eplace, at no charge, products or parts of a

material or workmanship, under normal use and

recommended maintenance. Zooz does not

The Warranty Period for Physical Goods

What does this limited warranty not cover?

purchased from Zooz is 12 months from the date

How long does the coverage last?

you purchased this product.

roduct that prove defective because of improper

What does this limited warranty cover?

#### TROUBLESHOOTING TIPS:

If you are unable to include the Z-Wave 4. The LED indicator will start flashing Power Switch to your controller, please orange, then turn blue (on) or pink try one of the following (off) once excluded ▶ Bring the Power Switch closer to your

- 5. The Power Switch will disappear from 7-Wave controller vour controller's device list. The LED Índicator will remain solid orange for a ➤ Once you put the controller into few seconds to indicate exclusion inclusion mode, press and release the
- Z-Wave button quickly more than 3 times to ensure the command has If the first attempt is unsuccessful, please repeat the process following all gone through Put your controller into EXCLUSION steps carefully. mode. Press and release the Z-Wave.
  - When your network's primary controller

exclusion mode

TIMES OUICKLY

is missing or otherwise inoperable, you

Switch as a secure device, please make

▶ conditions, malfunctions or damage not IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF PRODUCTS SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING WITHIN THIRTY (30) DAYS FROM 7007'S DELIVERY, OR THE DATE FIXED FOR DELI-

unauthorized dealers or second-hand sources. THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY The warranty does not cover return shipping cost for warranty service.

FACTORY RESET

#### What do you have to do?

workmanship

product

To obtain warranty service, please contact us to determine the problem and offer a quick solution for you: warranty@getzooz.com You may also get in touch with the reseller of the

applies to purchases made from authorized dealers only. See full list of Zooz distributors here: product directly to return or replace the product within 30 days of purchase or within applicable . This device must accept any interference received, During the Warranty Period, Zooz will repair or reseller's returns period.

> IN NO EVENT SHALL ZOOZ OR ITS SUBSIDIARIFS AND AFFILIATES BE LIABLE FOR ANY INDIRECT, INCIDENTAL, PUNITIVE SPECIAL OR CONSEQUENTIAL DAMAGES OR DAMAGES FOR LOSS OF PROFITS, REVENUE, OR USE INCURRED BY CUSTOMER OR ANY THIRD PARTY, WHE-THER IN AN ACTION IN CONTRACT, OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DA-MAGES. ZOOZ'S LIABILITY AND CUSTOMER'S EXCLUSIVE REMEDY FOR ANY CAUSE OF ACTION ARISING IN CON-JECTION WITH THIS AGREEMENT OR THE SALE OR USE OF THE PRODUCTS, WHETHER BASED ON NEGLIGENCE TRICT LIABILITY. BREACH OF WARRANTY, BREACH OF AGREEMENT, OR EQUITABLE PRINCIPLES. IS EXPRESSIY I IMITED TO, AT 7007'S OPTION, REPLACEMENT OF, OR REPAYMENT OF THE PURCHASE PRICE FOR THAT POR-

the process, plug the Power Switch into will visually report power consumption a grounded receptacle, then PRESS AND and network range. HOLD the Z-Wave button for AT LEAST Power Switch will then turn off.

may need to reset the device to factory

NOTE: All previously recorded activity Yellow = 900 – 1200 W and custom settings will be erased from Red = 1200 - 1500 W the device's memory. You may only reset Purple = 1500 – 1800 W your Power Switch once it has been in- Purple blink = over 1800 W cluded to a Z-Wave network.

Depending on your Z-Wave gateway's LED indicator displays power home automation software capabilities. consumption on the Power Switch

> receiver Connect equipment into a separate outlet or circuit from receiver

trademarks of their respective holders. © Zooz 2017

- Increase the separation between equipment and

LED NOTIFICATIONS

technician for additional assistance

www.getzooz.com

▶ Solid green for 2 seconds = direct ▶ Flashing orange = direct

▶ Solid orange = communication quality

Values: 0 – Power Switch remembers the Size: 1 byte dec. back to it (default); 1 – Power Switch Power Report Value Threshold restored (it does not remember the your Power Switch to report power 10% is entered by default, the Power Parameter 172: Choose how often you

## On/Off Status Change Notifications

controller and other associated devices previous report). if its status changes from on to off or the Values: 0 – 65535; 0 – disabled (it will not other way round. Choose when you want report power consumption based on value change); 50 – default setting Values: 0 – disabled (it will not send Size: 2 byte dec.

status change notifications); 1 - sends

notification if status is changed

▶ 220V compressors or pumps Phone or battery chargers ▶ Flectric heaters You may safely use this smart plug with:

onnecting heavy duty equipment

DO NOT connect any of the

▶ 110V window and split AC units rated the LED indicator never turned on, at or below 15A please try plugging the device into a ▶ 110V Humidifiers and dehumidifiers

- ▶ 110V Sump pumps and other pumps rated at or below 1/2HP Microwaves
- Gas dryers ▶ Floor lamps

nalfunction.

▶ TV's and Audio / Video Equipment ▶ Computers / PCs / Laptops

Power Report Percentage Threshold

corresponds to the percentage in power Size: 4 byte dec. usage change the appliance needs to go

## Parameter 171: Choose how often you

want your Power Switch to report power Voltage Report Frequency consumption (W) to your controller and Parameter 173: Choose how often you associated device. The number entered want your Power Switch to report

Parameter 152: Choose how you want the Power Switch will report power as value corresponds to the number of for your Power Switch if power outage and releasing the Z-Wave button on the consumption to your controller and Values: 5 – 2678400; 0 – disabled (it will associated devices by percentage rate. not report power consumption); 30 –

▶ Alarm Clocks

ask: ask@getzooz.com

protector is active.

controlled by the Power Switch? Just

Plug the Power Switch into any standard

grounded 110V receptacle. Do NOT

connect any devices to the plug at this

point. Press and release the Z-Wave

button and make sure the LED indicator

goes on as well - this confirms the surge

O: I pressed the Z-Wave button but the

LED did not light up. What should I do?

A: If you just purchased your device and

different receptacle to verify it's not a

grounding issue and try pressing the Z-

Wave button a few times quickly. If the

LED still does not turn on, contact the

reseller or Zooz directly:

ask@getzooz.com

status prior to power outage); 2 – Power 🛾 consumption to your controller and 🗈 Switch will report any change in power 🔻 want your Power Switch to report energy 💍 of electrical current (A) to your controller Switch automatically turns OFF once associated devices. The number entered consumption over 10% (whether it's at usage (KWH) to your controller and associated devices. The number power is restored (it does not remember as value corresponds to the number of least 10% more or 10% less power associated device. The number entered as value corresponds to the Watts the appliance needs to go over for consumption compared to previous as value corresponds to the number of number of seconds. seconds. So if 300 is entered by default. Values: 5 – 2678400: 0 – disabled (default the Power Switch will report energy — it will not report electrical current usage every 300 seconds (5 minutes). Values: 5 – 2678400: 0 – disabled (it will not report energy usage); 300 – default Size: 4 byte dec.

as value corresponds to the number of voltage (V) to your controller and

seconds. Values: 5 – 2678400; 0 – disabled (default

## Electricity Report Frequency

Size: 4 byte dec.

- ➤ This product should be installed indoors upon completion of any
- ▶ Prior to installation, the device should be stored in a dry, dust-and-moldproof place

his Limited Warranty applies to physical goods.

(the "Physical Goods")

etzooz.com/buv

## ▶ Ensure the device is connected to ar

during the Warranty Period. Warranty coverage ▶ No part of the device may be replaced

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other assume the cost of return shipping for warranty applications. All non-battery operated nodes within the network will act as

This Limited Warranty does not cover any like UL, is a Nationally Recognized problem that is caused by: Testing Laboratory. The ETL mark is

resulting from defects in material or ▶ improper handling or installation of the VFRY IN THE EVENT OF NONDELIVERY

operated manually.

## The warranty does not cover purchases from

RADIO OR TV INTERFERENCE CAUSED B' UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. STORE INDOORS WHEN NOT IN USE SUITABLE FOR DRY LOCATIONS ONLY. DO NOT IMMERSE IN WATER. NOT

FOR USE WHERE DIRECTLY EXPOSED TO WATER. his device complies with Part 15 of the FCC Rules Operation is subject to the following conditions: This device may not cause harmful interference.

including interference that may cause undesired 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. hese limits are designed to provide reasonable protection against harmful interference in a residential

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used according to instructions, may cause harmful nterference to radio communications. However, there is no guarantee that interference will not

occur in any given installation. If this equipment causes harmful interference to radio or television reception, the user may try to correct the interference by taking one or more of the following

TION OF PRODUCTS WITH RESPECT TO WHICH DA-- Reorient or relocate receiving antenna MAGES ARE CLAIMED. ALL CLAIMS OF ANY KIND ARISING

20 SECONDS. The LED indicator will flash How to read LED indicator colors? orange and then stay solid orange for 2 Pink = Power Switch is off seconds to indicate successful reset. The Blue = 0 - 300 W Cvan = 300 - 600 W

settings manually. In order to complete The LED indicator on your Power Switch

Green = 600 - 900 W

#### Parameter 27: You can choose how the

**LED Indicator Control** 

you may be able to associate your Power Values: 0 – LED indicator will display Switch in groups with other Z-Wave power consumption whenever the devices to schedule scenes and create device is plugged in (LED stays on at all events. This Power Switch supports times – default setting); 1 – LED indicator Group 1 with up to five devices for will display the level of power lifeline communication. This device will consumption for 5 seconds only send BASIC REPORT to Group 1 when whenever the device is turned on or off (LED indicator will stay off for most of the time). Size: 1 byte dec

Consult the dealer or an experienced radio/TV

All brand names displayed are

ask@getzooz.com