

## SMART ENERGY PLUG IN SWITCH

QUICK INSTALLATION GUIDE  
v1.0

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### ELECTROMAGNETIC COMPATIBILITY

When operated according to manufacturer instructions, the product complies with the FCC CFR Title 47 Part 15 Subpart B and C: 2014 and UL standards. The connections conducting HF signals must not be damaged or altered in any way by the user.

1.
  - Overload protection
  - Higher output power to enhance communication range (+5dBm output power compared to -2.5dBm 300 series)
  - Auto report switch states when manually pushing ON/OFF button
  - Auto report the wattage when variation is over 5%
  - Voltage, current, power factor, instant power wattage and accumulated power consumption KWh report
  - Easy installation

### SPECIFICATION

#### TECHNICAL SPECIFICATION

	Z-Wave Plus
Protocol	100~240VAC /60Hz; 220~240VAC/50Hz
Operating voltage	13A (Resistive load)
Maximum load	0 ~ 40° C
Operating temperature	85% RH max
Humidity	Minimum 40m indoor/100m outdoor
Range	3W (under 40W)
Measurement error	5% (under 40W)
Measurement error rate	66 g
Weight	101 g
Dimensions	45 mm x 35 mm x 65 mm
Package weight	83 mm x 61 mm x 89 mm
Package dimensions	FCC CFR Title 47 Part 15 Subpart B: 2014
Regulations	FCC CFR Title 47 Part 15 Subpart C: 2014
Frequency	868.40 MHz, 869.85 MHz (EU)
Warranty	1 year

### INSTALLATION AND OPERATION

2.
  - Plug this On/Off Switch into a wall outlet near the load to be controlled.
  - Plug the load into the Switch. Make sure the load to be controlled cannot exceed 13A (Resistive Load).
  - Press the button or switch on the load to the ON position.
  - To manually turn ON the Switch, press and release the On/Off button. The LED will turn ON, and the load plugged into the Switch will also turn ON.
  - To manually turn OFF the Switch, simply press and release the On/Off button. The LED will turn OFF and the load plugged into the Switch will also turn OFF.

Reset	Pressing On/Off button three times within 2 seconds will enter inclusion mode.	Use this procedure only in the event that the primary controller is lost or otherwise inoperable.
	Within 1 second, press On/Off button again for 5 seconds.	
Association	IDs are excluded.	0.5s On, 0.5s Off [Enter auto inclusion]
	The Switch is an always listening Z-Wave device, so associations may be added or removed by a controller at any time. OR If your controller requires from Switch to send a 'node information frame' or Node Information Frame (NIF) for associations, then pressing the On/Off button three times within 2 seconds will cause the Switch to send its NIF.	
	There is only one group for the switch	

Note: Including a node ID allocated by Z-Wave Controller means inclusion. Excluding a node ID allocated by Z-Wave Controller means exclusion. Failed or success in including/excluding the node ID can be viewed from the Z-Wave Controller.

### PROGRAMMING

#### 1 | BASIC COMMAND CLASS / BINARY SWITCH

The Switch will respond to BASIC and BINARY commands that are part of the ZWavesystem.

##### 1.1 | BASIC\_GET / BINARY\_SWITCH\_GET

Upon receipt of the following commands from a Z-Wave Controller, the Switch will report its On/Off state to the node asked.

BASIC GET COMMAND: [COMMAND CLASS BASIC, BASIC GET]

#### TAKE CARE OF YOUR SAFETY

Display extreme caution when using ladders or steps, please follow manufacturer's instructions. Be careful when using hand and power tools and follow the manufacturer's guidelines when using them. Take care that the correct tools are used. Wear goggles or protective clothing where required.

#### DANGER

##### RISK OF ELECTROCUSSION

All work on the device should only be carried out by trained and skilled electricians. Observe the country-specific regulations.

#### DANGER

##### RISK OF FATAL INJURY FROM ELECTRIC CURRENT.

The device has no basic insulation and must therefore be installed in a way that protects against accidental contact.

#### DANGER

##### RISK OF FATAL INJURY FROM ELECTRIC CURRENT.

When installing a wall plate, the distance between the cover's fixing brackets or screws and the connections of the flush-mounted Micromodule Single Switch Max.Load 11A must be at least 4 mm once installed. If the distance is less than 4 mm, a deeper installation box must be used. The fixing brackets or screws of the cover must not press against the housing. Only insulated tools may be used for operation on the device, e.g. an insulated phase tester.

#### CAUTION

The connected devices and the flush-mounted receiver can become damaged if devices are operated that do not correspond to the technical specifications [see technical data].

### INTRODUCTION

The product documentation states a Security Enabled Z-Wave Controller must be used in order to fully utilize the product. Smart Energy Plug In Switch is a security enabled wireless switch, based on Z-Wave Plus technology. Z-Wave Plus enabled devices displaying the Z-Wave Plus logo can also be used with it regardless of the manufacturer, and can also be used in other manufacturer's Z-Wave enabled networks. Remote On/Off control of the connected load is possible with other manufacturer's

#### CHOOSING A SUITABLE LOCATION

- Do not locate the Switch facing direct sunlight, humid or dusty place.
- The suitable ambient temperature for the Switch is 0°C-40°C.
- Do not locate the Switch where exists combustible substances or any source of heat, e.g. fires, radiators, boiler etc..
- After putting it into use, the body of Switch will become a little bit hot of which phenomenon is normal.

#### LED INDICATION

To distinguish what mode the switch is in, view from the LED for identification.

State Type	LED Indication
Normal	Under normal operation, toggle On/Off button between On and Off. When pressing On, LED lights up, whereas Off, LED is off.
No node ID	Under normal operation, when the Switch has not been allocated a node ID, the LED flashes on and off alternately at 2-second intervals. By pressing On/Off button, it will stop flashing temporarily.
Learning	When the Switch is in learning mode, LED flashes on and off alternately and repeatedly at 0.5 second intervals.
Overload	When overload state occurs, the Switch is disabled of which LED flashes on and off alternately at 0.2 second intervals. Overload state can be cleared by unplugging and reconnecting the Switch to the wall outlet.

### ADDING TO Z-WAVE NETWORK

In the front casing, there is an On/Off button with LED indicator which is used to toggle switch on and off or carry out inclusion, exclusion, reset or association. When the power is applied for the first time, its LED flashes on and off alternately and repeatedly at 0.5 second intervals. It implies that it has not been assigned a node ID and start auto inclusion.

#### AUTO INCLUSION

The function of auto inclusion will be executed as long as the switch

Basic Report Command: Report OFF: [Command Class Basic, Basic Report, Value = 0(0x00)] Report ON:[Command Class Basic, Basic Report, Value = 255(0xFF)]
Binary Switch Get Command:[Command Class Switch Binary, Switch Binary Get]
Binary Switch Report Command: Report OFF:[Command Class Switch Binary, Switch Binary Report, Value =0(0x00)] Report ON:[Command Class Switch Binary, Switch Binary Report, Value = 255(0xFF)]

#### 1.2 | BASIC\_SET / SWITCH\_BINARY\_SET

Upon receipt of the following commands from a Z-Wave Controller, the load attached to the Switch will turn on or off.

[Command Class Basic, Basic Set, Value = 1-99,255(0xFF)]: the load attached to the Switch turns on.
[Command Class Basic, Basic Set, Value = 0(0x00)]: the load attached to the Switch turns off.
[Command Class Switch Binary, Switch Binary Set, Value = 1-99, [255]0xFF]: the load attached to the Switch turns on.
[Command Class Switch Binary, Switch Binary Set, Value = 0(0x00)]: the load attached to the Switch turns off.

#### 2 | Z-WAVE'S GROUPS (ASSOCIATION COMMAND CLASS VERSION 2)

The Switch can be set to send reports to associated Z-Wave devices. It supports one association group with one node support for Grouping 1. For group 1, the Switch will report its latest status to Z-Wave Controller.

Grouping 1 includes, SWITCH\_BINARY\_REPORT, METER\_REPORT, ALARM\_REPORT.

##### 2.1 | AUTO REPORT TO GROUPING 1 (MAXIMUM NODE 1)

###### 2.1.1 | ON/OFF EVENT REPORT

wireless Controller. Each switch is designed to act as a repeater. Repeaters will re-transmit the RF signal to ensure that the signal is received by its intended destination by routing the signal around obstacles and radio dead spots. Because the Switch supports Security Command Class, it can learn with Secured controller. Its functionality and supported command classes is identical when included as a secure and non-secure device.

This Smart Energy Plug In Switch is able to detect instance wattage [1560W/UL/TW/J] and overload current [14.5A] of connected lights or appliances. When detecting overload state, the Switch will be disabled and its On/Off button will be locked out of which LED will flash quickly. However, unplug and reconnect the switch will reset its overload condition to normal status.

### OVERVIEW



### PACKAGE CONTENT

1PC	Smart Energy Plug In Switch
1PC	Quick Installation Guide

### FEATURES

- Z-Wave 500 series chip
- Zero-crossing switch

does not have Node ID and just plug the switch into a wall outlet. Note: Auto inclusion timeout is 2 minute during which the node information of explorer frame will be emitted once several seconds. Unlike "inclusion" function as shown in the table below, the execution of auto inclusion is free from pressing the On/Off button on the Switch.

The table below lists an operation summary of basic Z-Wave functions. Please refer to the instructions for your Z-Wave Certified Primary Controller to access the Setup function, and to include/exclude/associate devices.

Function	Description	LED Indication
No node ID	The Z-Wave Controller does not allocate a node ID to the Switch.	2-second on, 2-second off
Inclusion	Put your Z-Wave controller into inclusion mode by following the instructions provided by the controller manufacturer.	
	Pressing On/Off button three times within 2 seconds will enter inclusion mode.	
Exclusion	Put your Z-Wave controller into exclusion mode by following the instructions provided by the controller manufacturer.	
	Pressing On/Off button three times within 2 seconds will enter exclusion mode.	0.5s On, 0.5s Off [Enter auto inclusion]
	Node ID has been excluded.	

When "on" or "off" state has been changed, it will send Binary Switch Report to the node of Grouping 1.

Binary Switch Report

ON:[Command Class Switch Binary, Switch Binary Report, Value =255(0xFF)]  
OFF:[Command Class Switch Binary, Switch Binary Report, Value =0(0x00)]

2.1.2 | INSTANT POWER CONSUMPTION VARY OVER 5% REPORT

When the power consumption of load vary over 5%, it will send Meter report to the nodes of Grouping 1.

Meter Report Command:  
[Command Class Meter, Meter Report, Rate Type = 0x01, Meter Type = 0x01, Precision = 1, Scale = 0x02, Size = 4, Meter Value[W]]

2.1.3 | OVERLOAD ALARM REPORT

When Switch detects the current is more than 14.5A, it will send Alarm Report to Group 1 node. After detecting overload state and sending this alarm report, the Switch will turn off the switch automatically and lockout the On/Off button. The only thing to do is unplug the Switch and reduce the load. Then re-plug the Switch and it will work again.

The content of Alarm Report:

Alarm report command: [Command Class Alarm, Alarm\_Report, Alarm Type = 0x08, Alarm Level = 0xFF]

2.2 | RESPONSE TO METER GET COMMAND

The Switch will report its (1) instant Power Consumption [Watt] or (2) accumulated power consumption[KWh] or (3) AC load Voltage [V] or (4) AC load current (1) [I] (5) load power factor [PF] to Z-Wave Controller after receive the Meter Get Command from Z-Wave Controller.

2.2.1 | INSTANT POWER CONSUMPTION (WATT) OF SWITCH

When receiving Meter Get Command, it will report Meter Report Command to the node.

Meter Get Command: [Command Class Meter, Meter Get, Scale =0x02[W]]

Meter Report Command: [Command Class Meter, Meter Report, Rate Type = 0x01, Meter Type = 0x01, Precision = 1, Scale = 0x02, Size = 4, Meter Value[W]]

Example:  
 Meter Value 1 = 0x00 [W]  
 Meter Value 2 = 0x00 [W]  
 Meter Value 3 = 0x03 [W]  
 Meter Value 4 = 0xEA [W]  
 Meter[W] = Meter Value 3 \*256 + Meter Value 4 = 100.2W

### 2.2.2 | ACCUMULATED POWER CONSUMPTION (KW/H)

When receiving Meter Get Command, it will report Meter Report Command to the node.

Meter Get Command: [Command Class Meter, Meter Get, Scale = 0x00 KW/h]]

Meter Report Command: [Command Class Meter, Meter Report, Rate Type = 0x01, Meter Type = 0x01, Precision = 2, Scale = 0x00, Size = 4, Meter Value [KWh]]

Example:  
 Scale = 0x00 [KWh]  
 Precision = 2  
 Size = 4 Bytes [KW/h]  
 Meter Value 1 = 0x00[KWh]  
 Meter Value 2 = 0x01[KWh]  
 Meter Value 3 = 0x38[KWh]  
 Meter Value 4 = 0xA3[KWh]  
 Accumulated power consumption [KW/h] = (Meter Value 2\*65536) + (Meter Value 3\*256) + (Meter Value 4) = 800.35 [KW/h]

### 2.2.3 | CLEARING ACCUMULATED POWER CONSUMPTION

Whenever re-starting counting the accumulated power consumption is needed, you can use Meter Reset Command to clear it.

Meter Reset Command: [Command Class Meter, Meter Reset]

Unit	Default	Description
0.01A	1300	1300*0.01A = 13A

Configuration Parameter 4		
Function	Size (byte)	Value
Threshold of KWh for Load caution	2	1-10000
Unit	Default	Description
1KWh	10000	

Configuration Parameter 5		
Function	Size (byte)	Value
Restore switch state mode	1	0-2
Unit	Default	Description
1		0 : Switch off 1 : Last switch state 2 : Switch on

Configuration Parameter 6		
Function	Size (byte)	Value
Manual On/Off mode	1	0-1
Unit	Default	Description
1		0: Disable manual On/Off 1: Enable manual On/Off

Configuration Parameter 7		
Function	Size (byte)	Value
LED indication mode	1	1-2
Unit	Default	Description

function will be disabled. The default setting is 0.

### 3.9 | RF OFF COMMAND MODE:

Whenever a switch off command, BASIC\_SET, BINARY\_SWITCH\_SET, SWITCH\_ALL\_OFF, is received, it could be interpreted as 4 variety of commands.

#### 3.9.1 | SWITCH OFF:

It switches to OFF state. The default setting is Switch Off.

#### 3.9.2 | IGNORE:

The switch off command will be ignored.

#### 3.9.3 | SWITCH TOGGLE:

It switches to the inverse of current state.

#### 3.9.4 | SWITCH ON:

It switches to ON state.

### 3.10 | SWITCH STATUS REPORT MODE:

Whenever the status of switches changes, it will send a Binary Switch report to the group1 node. The default setting is 1 [Enable].

## 4 | PROTECTION COMMAND CLASSES

The Switch supports Protection Command Class version 2, it can protect the switch against unintentional control by e.g. a child. And it can also protect the switch from being turned off by setting it in "No RF Control" state. After being set to "Protection by sequence" state, any intentional pressing of On/Off button should be hold longer than 1 second, or the switch state will not change. However, the operation of learn function does not change, because learning will not be protected.

## OVER THE AIR FIRMWARE UPGRADE

Smart Energy Plug In Switch is based on 500 series SoC and supports Firmware Update Command Class, it can receive the updated firmware image sent by controller via the Z-wave RF media. It is a helpful and convenient way to improve some function if needed.

## TROUBLESHOOTING

Symptom	Cause of Failure	Recommendation
16.		

### 2.2.4 | AC LOAD VOLTAGE (V)

When receiving Meter Get Command, it will report Meter Report Command to the node.

Meter Get Command: [Command Class Meter, Meter Get, Scale =0x04[V]]

Meter Report Command: [Command Class Meter, Meter Report, Rate Type = 0x01, Meter Type = 0x01, Precision = 1, Scale = 0x04, Size = 2, Meter Value[V]]

Example:  
 Scale = 0x04 [V]  
 Precision = 1  
 Size = 2 [2 Bytes of V]  
 Meter Value 1 = 0x09[V]  
 Meter Value 2 = 0x01[V]  
 AC Load Voltage = (Meter Value 1\*256) +(Meter Value 2)= 230.5 [V]

### 2.2.5 | AC LOAD CURRENT ( I )

When receiving Meter Get Command, it will report Meter Report Command to the node.

Meter Get Command: [Command Class Meter, Meter Get, Scale =0x05[I]]

Meter Report Command: [Command Class Meter, Meter Report, Rate Type = 0x01, Meter Type = 0x01, Precision = 2, Scale = 0x05, Size = 2, Meter Value[I]]

Example:  
 Scale = 0x05 [I]  
 Precision = 2  
 Size = 2 [2 Bytes of I]  
 Meter Value 1 = 0x01[I]  
 Meter Value 2 = 0x21[I]  
 AC load current = (Meter Value 1\*256) +(Meter Value 2)= 2.89 [A]

### 2.2.6 | LOAD POWER FACTOR (PF)

When receiving Meter Get Command, it will report Meter Report Command to the node.

Configuration Parameter 8		
Function	Size (byte)	Value
Auto off timer	2	0-0x7FFF
Unit	Default	Description
1s	0	0 : Disable auto off function 1-0x7FFF : 1s ~ 32767s

Configuration Parameter 9		
Function	Size (byte)	Value
RF off command mode	1	0-3
Unit	Default	Description
0		0 : Switch off 1 : ignore 2 : Switch toggle 3 : Switch on

Configuration Parameter 11		
Function	Size (byte)	Value
Switch Status Report Mode	1	0-1
Unit	Default	Description
1		0 : Disable 1 : Enable

Configuration Parameter 10		
Function	Size (byte)	Value
Threshold of KWh for Load caution	2	1-10000
Unit	Default	Description
1KWh	10000	

### 3.1 | WATT METER REPORT PERIOD:

If the setting is configured for 1hour (set value =720), the Switch will report its instant power consumption every 1 hour to Group1 node. The maximum interval to report its instant power consumption is 45 hours (5s\*32767/3600=45hr).

### 3.2 | KWH METER REPORT PERIOD:

Whenever re-starting counting the accumulated power consumption is needed, you can use Meter Reset Command to clear it.

Micromodule is not working and LED off	1. The Switch is not plugged into the electrical outlet properly. 2. The Switch broke down.	1. Check power connections 2. Don't open up the Micromodule and send it for repair.
The Switch LED is illuminating, but cannot control the ON/OFF switch of the load attached	1. Check if the load plugged into the Switch has its own ON/OFF switch. 2. The switch is protected.	1. Set the ON/OFF switch of the load attached to ON 2. Unprotect the switch or follow the instruction of protection.
The Switch LED is illuminating, but the Detector cannot control the Switch	1. Not carry out association 2. Same frequency interference	1. Carry out association 2. Wait for a while to re-try
LED keep flashing, but cannot control	Overload occurs	Remove the load attached or check max. load cannot exceed 12A

### Having trouble installing your new product?

Zipato's website contains the latest user documentation and software updates for Zipato products and services: [www.zipato.com](http://www.zipato.com)

You can also find answers in the Zipato Community at: [community.zipato.com](http://community.zipato.com)

Zipato Support: [support@zipato.com](mailto:support@zipato.com)

## LIMITED PRODUCT WARRANTY

### Ⓞ GENERAL TERMS

Nothing in this Limited Product Warranty affects your statutory rights as a consumer.

The Limited Product Warranty set forth below is given by Tri plus grupa d.o.o. [Europe] (herein referred to as "ZIPATO"). This Limited Product Warranty is only effective upon presentation of the proof of purchase. Upon further request by ZIPATO, this warranty card has to be presented, too.

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Meter Get Command: [Command Class Meter, Meter Get, Scale =0x06[PF]]

Meter Report Command: [Command Class Meter, Meter Report, Rate Type = 0x01, Meter Type = 0x01, Precision = 2, Scale = 0x06, Size = 1 Byte, Meter Value[PF]]

Example:  
 Scale = 0x06 [PF]  
 Precision = 2  
 Size = 1 [1 Byte of PF]  
 Meter Value 1 = 0x63[PF]  
 Load power factor (PF) = Meter Value 1 = 0.99

## Z-WAVE CONFIGURATION

Configuration Parameter 1		
Function	Size (byte)	Value
Watt Meter Report Period	2	0x01-0x7FFF
Unit	Default	Description
5s	720	720*5s=3600s=1 hour

Configuration Parameter 2		
Function	Size (byte)	Value
KWH Meter Report Period	2	0x01-0x7FFF
Unit	Default	Description
10min	6	6*10min=1 hour

Configuration Parameter 3		
Function	Size (byte)	Value
Threshold of current for Load caution	2	10-1300

10. 11. 12.

If the setting is configured for 1hour (set value =6), the Switch will report its Accumulated Power Consumption (KW/h) every 1 hour to Group1 node. The maximum interval to report its Accumulated Power Consumption (KW/h) is 227.55 days (10min\*32767/1440=227.55 days).

### 3.3 | THRESHOLD OF CURRENT FOR LOAD CAUTION:

This is a warning when the current of load over the preset threshold value, if the setting value is 1300, when the load current of Relay1 over this value, Switch will send current meter report to warn the Group1 node, the Range of the setting value is from 10 to 1300, and the default value is 1300.

### 3.4 | THRESHOLD OF KWH FOR LOAD CAUTION

This is a warning when the KWh of load over the preset threshold value, if the setting value is 10000, when the Accumulated Power Consumption of Relay1 over this value, the Switch will send KWH meter report to warn the Group1 node, minimum value is 1KWh and default value is 10000 kWh.

### 3.5 | RESTORE SWITCH STATE MODE:

Whenever the AC power return from lost, PAN16 will restore the switch state which could be SWITCH OFF, LAST SWITCH STATE, SWITCH ON. The default setting is LAST SWITCH STATE.

### 3.6 | MANUAL ON/OFF MODE:

When the mode of switch On/Off is set to 0, any command of switch off will be disabled and the On/Off function of include button will be disabled. The default setting is enable mode.

### 3.7 | LED INDICATION MODE:

#### 3.7.1 | SHOW SWITCH STATE:

When the Switch is on, LED is on. When the Switch is off, LED is off. The default setting is Show Switch State.

#### 3.7.2 | SHOW NIGHT MODE:

When the Switch is on, LED is off. When the Switch is off, LED is on.

### 3.8 | AUTO OFF TIMER:

Whenever the Switch switches to on, the auto off timer begin to count down. After the timer decrease to zero, it will switch to off automatically. However if Auto off timer is set as 0, the auto off

15.

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ZIPATO does not warrant that the products will operate uninterrupted or error-free or that all deficiencies, errors, defects or non-conformities will be corrected.

This warranty shall not apply to problems resulting from: (a) unauthorized alterations or attachments; (b) negligence, abuse or misuse, including failure to operate the product in accordance with specifications or interface requirements; (c) improper handling; (d) failure of goods or services not obtained from ZIPATO or not subject to a then-effective ZIPATO warranty or maintenance agreement; (e) improper use or storage; or (f) fire, water, acts of God or other catastrophic events. This warranty shall also not apply to any particular product if any ZIPATO serial number has been removed or defaced in any way. ZIPATO IS NOT RESPONSIBLE FOR DAMAGE THAT OCCURS AS A RESULT OF YOUR FAILURE TO FOLLOW THE INSTRUCTIONS FOR THE ZIPATO HARDWARE PRODUCT.

## 🔍 LIMITED PRODUCT WARRANTY PERIOD

19.

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.

## 🔍 DISPOSING AND RECYCLING YOUR PRODUCT

When it reaches end of life, dispose of the product according to your local environmental laws, guidelines and regulations.



This symbol on the product or packaging means that according to local laws and regulations needs to be disposed of separately from household waste. Once this product has reached the end of its life, please take it to a collection point (recycle facilities) designated by your local authorities, some will accept your product for free or simply drop it off at your Zipato re-seller store. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health. At Zipato, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimize this impact Zipato designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

22.

The Limited Product Warranty Period starts on the date of purchase from ZIPATO. Your dated sales or delivery receipt, showing the date of purchase of the product, is your proof of the purchase date. You may be required to provide proof of purchase as a condition of receiving warranty service. You are entitled to warranty service according to the terms and conditions of this document if a repair to your ZIPATO branded hardware is required within the Limited Product Warranty Period.

[Other than in respect of products for domestic use (in particular those listed in the first and last boxes in the table below), this Limited Product Warranty extends only to the original end user purchaser of this ZIPATO Hardware Product and is not transferable to anyone who obtains ownership of the ZIPATO Hardware Product from the original end-user purchaser.

## 🔍 PRODUCT WARRANTY PERIOD TABLE

PRODUCT TYPE	Smart Energy Plug In Switch
PRODUCT WARRANTY PERIOD	One (1) year

## IMPORTANT

The content of "Product Type" listed above is subject to change; please refer to the [www.zipato.com](http://www.zipato.com) for latest update.

## 🔍 PERFORMANCE OF THE LIMITED PRODUCT WARRANTY

If a product defect occurs, ZIPATO's sole obligation shall be to repair or replace any defective Zipato Hardware Product free of charge provided it is returned to an Authorized ZIPATO Service Centre during the Limited Warranty Period. Such repair or replacement will be rendered by ZIPATO at an Authorized ZIPATO Service Centre. All component parts or hardware products that are replaced under this Limited Product Warranty become the property of ZIPATO. The replacement part or product takes on the remaining Limited Warranty Period of the replaced part or product. The replacement product need not be new or of an identical make, model or part; ZIPATO may in its discretion replace the defective product (or any part thereof) with any reconditioned equivalent (or superior) product in all material respects to the defective product.

20.

## 🔍 COPYRIGHT

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## WARRANTOR

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## DECLARATION OF CONFORMITY

The manufacturer Tri plus grupa d.o.o declares under our sole responsibility that the product:

**Marketing model:** Smart Energy Plug In Switch  
**Regulatory model:** ph-pan15  
**Trade/Brand name:** Zipato

is in conformity with the FCC CFR Title 47 Part 15 Subpart B and C: 2014 and in compliance with UL standards.

The following harmonized standards were applied:

FCC CFR Title 47 Part 15 Subpart B: 2014  
FCC CFR Title 47 Part 15 Subpart C: 2014

Changes or modifications not expressly approved by Tri plus grupa d.o.o. for compliance could void the user's authority to operate the 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:** Changes or modifications not expressly approved by Zipato for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to

21.