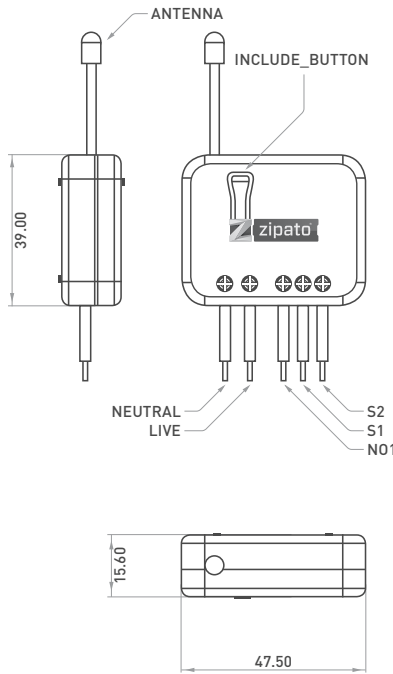
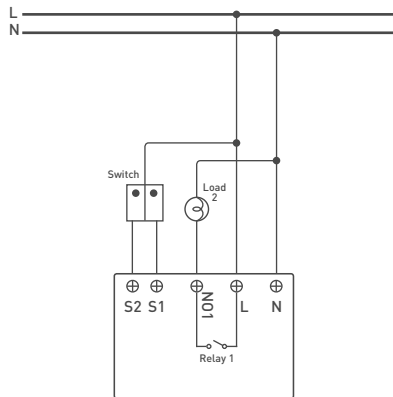


FIGURE 1
Dimensions (unit: mm)



APPLICATION

⊖ IN WALL SWITCH 1 RELAY; 1A TYPE



MICROMODULE SINGLE SWITCH MAX.LOAD: 11A

QUICK INSTALLATION GUIDE v1.0

⊕ TRADEMARKS

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⊕ ELECTROMAGNETIC COMPATIBILITY

In proper state and when operated properly, the product complies with all the requirements in respect of interference radiation according to EN 301 489-17, EN 301 489-1 and EN 300 328. The connections conducting HF signals must neither be manipulated nor damaged.

⊕ 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 ELECTROCUTION

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

⊕ 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).

⊕ 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.

INTRODUCTION

Micromodule Single Switch Max.Load: 11A 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 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 Micromodule Single Switch Max.Load: 11A 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.

Micromodule Single Switch Max.Load: 11A is able to detect instance wattage and overload current (12A) of connected lights or appliances. When detecting overload state, the Switch will be disabled and its On/Off button will be lockout of which LED will flash quickly. However, unplug and re-connect the switch will reset its overload condition to normal status.

SPECIFICATION

OPERATING VOLTAGE	230V/50HZ
MAXIMUM LOAD	11A
OPERATING TEMPERATURE	0°C ~ 40°C
RANGE	Minimum 30m in door 70m outdoor line of sight
WEIGHT	39g
DIMENSIONS	47mm x 39mm x 15.60mm

⊕ Z-WAVE SUPPORTED COMMAND CLASS

COMMAND_CLASS_ZWAVEPLUS_INFO
COMMAND_CLASS_VERSION
COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
COMMAND_CLASS_SECURITY
COMMAND_CLASS_DEVICE_RESET_LOCALLY
COMMAND_CLASS_ASSOCIATION_V2
COMMAND_CLASS_ASSOCIATION_GRP_INFO
COMMAND_CLASS_POWERLEVEL
COMMAND_CLASS_SWITCH_BINARY
COMMAND_CLASS_BASIC
COMMAND_CLASS_SWITCH_ALL
COMMAND_CLASS_METER_V3
COMMAND_CLASS_CONFIGURATION
COMMAND_CLASS_ALARM
COMMAND_CLASS_PROTECTION
COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2

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 first power is applied, 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 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.	
Reset	Pressing On/Off button three times within 2 seconds will enter inclusion mode.	0.5s On, 0.5s Off [Enter auto inclusion]
	Within 1 second, press On/Off button again for 5 seconds.	
Association	IDs are excluded.	Use this procedure only in the event that the primary controller is lost or otherwise inoperable.
	Pressing On/Off button three times within 2 seconds will enter inclusion mode.	
Association	Micromodule Single Switch Max. Load: 11A is an always listening Z-Wave device, so associations may be added or removed by a controller at any time.	0.5s On, 0.5s Off [Enter auto inclusion]
	OR If your controller requires to have the Micromodule Single Switch Max.Load: 11A send a 'node information frame' or NIF for associations, then pressing the On/Off button three times within 2 seconds will cause the Micromodule Single Switch Max. Load: 11A 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.

Note: Failed or success in including/excluding the node ID can be viewed from the Z-Wave Controller.

Sometimes people are not easy to execute exclusion or inclusion especially when Micromodule Single Switch Max.Load: 11A already installed in a wall box. To solve this issue, Micromodule Single Switch Max.Load: 11A support a special feature that can use S1 or S2 to execute "exclusion, inclusion, Reset or Association" at the first 3 minutes when first time connect to main power.

LED INDICATION

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

State Type	LED Indication
Normal	Whenever we switch On and Off of the Micromodule Single Switch Max.Load: 11A by S1 S2 or On/Off button or RF command, the LED will lights up 1 second and then off.

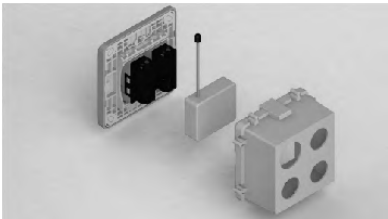
No node ID	Under normal operation, when the Switch has not been allocated to a node ID, the LED flashes on and off alternately at 2-second intervals. By pressing S1, S2 or On/Off button, it will stop flashing temporarily.
Learning	When Micromodule Single Switch Max.Load: 11A is in learning mode, LED 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 0.5 second intervals. Overload state can be cleared by unplugging and reconnecting the Switch to the wall outlet.

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.

INSTALLATION AND OPERATION

- Put the in wall switch into a wall box and connect the AC power wire L,N to Micromodule Single Switch Max.Load: 11A's L and N.
- Connect the wall switch to the Micromodule Single Switch Max. Load: 11A as shown in picture.
- There are 3 modes Micromodule Single Switch Max.Load: 11A can be configured to match different kind of wall switch, please refer to 3-10 Edge / Pulse / Edge-Toggle modes which are described in next section of this user manual



PROGRAMMING

1 | BASIC COMMAND CLASS / BINARY SWITCH COMMAND CLASS

The Switch will respond to BASIC and BINARY commands that are part of the Z-Wave system.

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]

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, 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 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

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 Micromodule Single Switch Max.Load: 11A detects the current is more than 12A, it will send Alarm Report to Group 1 node.

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 (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 (KWh)
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-start counting the accumulated power consumption is needed, you can use Meter Reset Command to clear it.

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

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.

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

3 | Z-Wave's 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	10-1100
Unit	Default	Description
0.01A	1100	1100*0.01A = 11A

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
	0	0: Disable manual On/Off 1: Enable manual On/Off

Configuration Parameter 7		
Function	Size (byte)	Value
LED indication mode	1	1-3
Unit	Default	Description
	1	1: Show switch state 2: Show night mode 3: One flash mode

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

3.1 | WATT METER REPORT PERIOD:

If the setting is configured for 1hour (set value =720), the Micromodule Single Switch Max.Load: 11A 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:

If the setting is configured for 1hour (set value =6), the Micromodule Single Switch Max.Load: 11A will report its Accumulated Power Consumption [KWh] every 1 hour to Group1 node. The maximum interval to report its Accumulated Power Consumption [KWh] 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 1100, when the load current of Relay1 over this value, Micromodule Single Switch Max.Load: 11A will send current meter report to warn the Group1 node, the Range of the setting value is from 10 to 1100, and the default value is 1100.

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, Micromodule Single Switch Max.Load: 11A 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, Micromodule Single Switch Max.Load: 11A 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:

The On/Off function of S1, S2 and learn switch can be disabled or enabled by this parameter, default value is Enable. But the learning operation won't be affected. When manual On/Off function is disabled, the RF command can only switch On but not Off. This is useful function for keeping the device in switch on state.

3.7 | LED INDICATION MODE:

3.7.1 | SHOW SWITCH STATE:

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

3.7.2 | SHOW NIGHT MODE:

When switch is on, LED is off. When switch is off, LED is on.

3.7.3 | ONE FLASH MODE:

When the state of switch changes, LED will be on only one second, then LED keeps off.

3.8 | AUTO OFF TIMER:

Whenever Micromodule Single Switch Max.Load: 11A 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 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 | EDGE MODE, PULSE MODE AND EDGE-TOGGLE MODE:

Manual switch S1 and S2 can set to Edge mode or Pulse mode or Edge-Toggle mode, default value is Edge mode.

3.10.1 | EDGE MODE:

This mode is suitable for the bi-stable wall switch that has indicator point on the switch, and the same position correspond to same state of relay1. If the Micromodule Single Switch Max.Load: 11A relay change the state because of receiving Z-Wave RF command, it may need two times of change (switch on to off or switch off to on) to let relay back to the correspond state. Manual switch S2 is disabled in this mode.

3.10.2 | PULSE MODE:

This mode is suitable for the toggle type wall switch to swap the state of Relay1.

3.10.3 | EDGE-TOGGLE MODE:

This mode is suitable for the normal bi-stable switch, whenever change the state of the wall switch will also swap the state of Relay1.

4 | PROTECTION COMMAND CLASSES

Micromodule Single Switch Max.Load: 11A supports Protection Command Class version 2, it can protect the switch against unintentionally 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 UPDATE

Micromodule Single Switch Max.Load: 11A is based on 500 series SoC and supports Firmware Update Command Class, it can receives 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
The Switch not working and LED off	The Switch is not plugged into the electrical outlet properly	1. Check power connections 2. Don't open up the Switch and send it for repair.
The Switch LED 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. Unprotected the switch or follow the instruction of protection.
The Switch LED 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 11.0A

MODELS AND FREQUENCIES

☎ MODELS

EUROPEAN UNION - EU version	ph-pan03.eu
UNITED STATES - US version	ph-pan03.us
RUSSIA - RU version	ph-pan03.ru
ISRAEL - IS version	ph-pan03.is
AUSTRALIA - AU version	ph-pan03.au
INDIA - IN version	ph-pan03.in

☎ FREQUENCIES

EUROPEAN UNION - EU	868.42 MHz
UNITED STATES - US	908.42MHz
RUSSIA - RU	869.02MHz
ISRAEL - IS	916.02MHz
AUSTRALIA - AU	921.42MHz
INDIA - IN	865.20MHz

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The term "ZIPATO Hardware Product" is limited to the hardware components and all its internal components including firmware. The term "ZIPATO Hardware Product" DOES NOT include any software applications or programs.

☎ GEOGRAPHICAL SCOPE OF THE LIMITED PRODUCT WARRANTY

This Limited Product Warranty is applicable to Hardware Products sold by Zipato Resellers in all countries listed at the beginning of this document under the heading "Countries in which this ZIPATO Limited Product Warranty applies".

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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

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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

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	Micromodule Single Switch Max.Load 11A
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 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.

WARRANTOR

Tri plus grupa d.o.o.
Banjavičeva 11
10 000 Zagreb
CROATIA

TEL +385 (0)1 4004 404
FAX +385 (0)1 4004 405

DECLARATION OF CONFORMITY

The Manufacturer Tri plus grupa d.o.o. hereby declares that the product:
Micromodule Single Switch Max.Load 11A



In accordance with the following Directive(s): 2006/95/EC The Low Voltage Directive, 89/336/EEC The Electromagnetic Compatibility Directive and 1999/5/EC R&TT EC Directive is in conformity with the applicable requirements of the following documents:

EN 61326 EN 61000-3-3 EN 61000-4-4 EN 61000-4-11
IEC/EN 55011 EN 61000-6-2 EN 61000-4-5 EN 301 489-1-3
EN 300 220-2 EN 61000-4-2 EN 61000-4-6 AS/NZS/IEC 60335-2-97
EN 61000-3-2 EN 61000-4-3 EN 61000-4-8 EN 60335-1

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.
Person responsible for this declaration:
Dean Janacek, Certification Manager
01.09.2012

Changes or modifications not expressly approved 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1 | l'appareil ne doit pas produire de brouillage, et
- 2 | l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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 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



This symbol on the product or packaging means that according to local laws and regulations needs to be disposed of separately from household waste and sent to recycling because it contains electronic components and a battery. 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.

Ⓢ CONTACT SUPPORT

E-MAIL: support@zipato.com
[Mon-Fri] 9.00am-05.00pm [CET]
www.zipato.com

Ⓢ COPYRIGHT

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