zipato®
everything under control

MULTI SENSOR TRIPLE
QUICK INSTALLATION GUIDE
v1.3

➔ TRADEMARKS
Zipato and the Zipato logo are registered Trademarks. All other product names mentioned herein may be trademarks or registered trademarks of their respective companies.

➔ NOTICE
Although Zipato has attempted to ensure the accuracy of the content of this manual, it is possible that this document may contain technical inaccuracies, typographical, or other errors. Zipato assumes no liability for any error in this publication, and for damages, whether direct, indirect, incidental, and consequential or otherwise, that may result from such error, including, but not limited to loss of data or profits. Zipato provides this publication "as is" without warranty of any kind, either express or implied, including, but not limited to implied warranties of merchantability or fitness for a particular purpose. The published information in the manual is subject to change without notice.

Zipato reserves the right to make changes in the product design, layout, and driver revisions without notification to its users. This version of the Installation guide supersedes all previous versions.

➔ 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.
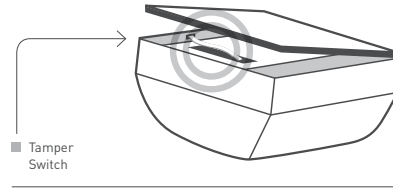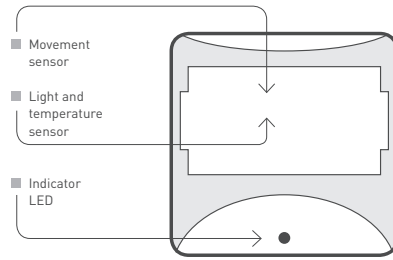
INTRODUCTION

➔ TECHNICAL SPECS

NORMAL OPERATING VOLTAGE	2x AA 1,5V batteries
RANGE	Up to 30m in line of sight
TEMPERATURE SENSOR ACCURACY	+/- 2,5° C from -55° Cto +130° C
MOTION SENSOR RANGE	Max. 10 meters under a 110° angle

➔ BASIC OPERATIONS
■ The Multi Sensor Triple can detect movement, measure light intensity and temperature.
■ The Multi Sensor Triple can trigger a security system.

➔ MOUNTING
1 | Use a flat screwdriver at the inlets on the sides to gently unlock the back cover.
2 | Use the designated holes on the back cover to screw mount the

---

■ Movement sensor

■ Light and temperature sensor

■ Indicator LED

■ Tamper Switch

Multi Sensor Triple. For optimal use, mount the Multi Sensor Triple between 1,8 m and 2,4m above ground (A rotating bracket is available to adjust the direction the Multi Sensor Triple is pointing to).
3 | Place two AA 1,5V batteries into the device.
4 | Mount the Multi Sensor Triple onto the back cover and be sure to close it on all sides and that the tamper gets through the back cover of the Multi Sensor Triple (indication mode: Tamper pressed/released).
5 | After 3 seconds startup routine begins (indication mode: Ready for learn mode).
6 | After 5 more seconds (8 seconds in total) mounting is completed. (indication mode: Mounting successful)
7 | the Multi Sensor Triple has to start up for 10 seconds.
8 | After 10 seconds the Multi Sensor Triple is ready for detection.

➔ INCLUDE OR EXCLUDE IN Z-WAVE NETWORK
1 | Make sure your Z-Wave controller is in the right operation mode (include or exclude).
2 | When the Multi Sensor Triple is mounted, remove it from the back cover as explained in step one of the Mounting instructions.
3 | Press and hold the tamper for 4 seconds (indication mode: Ready for learn mode). Now release the tamper switch to start the inclusion or exclusion process (indication mode: Learn in progress).
4 | (The product will start NWI automatically after unsuccessful normal inclusion)

➔ INDICATION MODES
■ The indicator light gives various statuses of the device as follows:
1 | Ready for learn mode: indicator light blinks every second.
2 | Learn in progress (add): indicator light 2 times every second.
3 | Learn in progress (remove): indicator light 3 times every second.
4 | Learn mode success: indicator light is on for one second.
5 | Learn mode failed: indicator light blinks 8 times rapidly.
6 | Tamper pressed/released indicator light blinks 3 times rapidly.
7 | Mounting successful indicator light is on for 1 second.

TECHNICAL MANUAL

⚡ CAUTION
■ This device is using a radio signal that passes through walls, windows and doors. The range is strongly influenced by local conditions such as large metal objects, house wiring, concrete, furniture, refrigerators, microwaves and similar items. On average, the indoor range is approximately 30 meters.

■ Do not expose this product to excessive heat or moisture.
■ Prevent long term exposure to direct sunlight.
■ Do not attempt to repair this product. If the product is damaged or if you are in doubt about the proper operation, take the product back to the place of purchase.
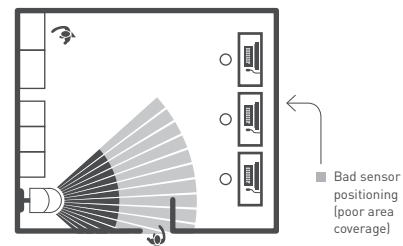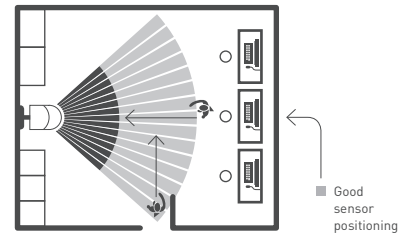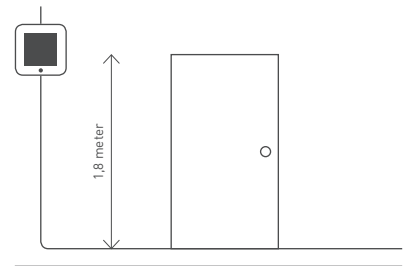■ Do not clean the product with any liquid.

➔ TECHNICAL DETAILS

NORMAL OPERATING VOLTAGE	2x AA 1,5V batteries From 2,3 to 4,0V do not use rechargeable batteries
WIRELESS RANGE	Up to 30m in line of sight
TEMPERATURE SENSOR ACCURACY	+/- 2,5° C from -55° C to +130° C
MOTION SENSOR RANGE	Max. 10 meters under a 110° angle
STORAGE TEMPERATURE	-5°C to +65°C
STORAGE HUMIDITY	10% to 70%
OPERATING TEMPERATURE	0°C to 50°C
OPERATING HUMIDITY	30% to 80%

➔ DETAILED INSTRUCTION
We advise the Multi Sensor Triple to be mounted between 1,8m and 2,4m from the ground, flat on the wall and not facing down. With an optional bracket, the direction the Multi Sensor Triple is points at can be changed (up/down and left/right).

The Multi Sensor Triple detects movement up to 10 meters. Without bracket attached, it is recommended to place the Multi Sensor Triple in the middle of the wall (see ´Good sensor positioning´).

1,8 meter

■ Good sensor positioning

■ Bad sensor positioning (poor area coverage)

➔ SUPPORTING COMMAND CLASSES

BASIC TYPE	BASIC_TYPE_ROUTING_SLAVE
GENERIC TYPE	GENERIC_TYPE_SENSOR_BINARY
SPECIFIC TYPE	SPECIFIC_TYPE_NOT_USED
LISTENING	FALSE, Z-Wave Lib: 4.51

Z-WAVE®

CLASS: 0x30 COMMAND_CLASS_SENSOR_BINARY
CLASS: 0x31 COMMAND_CLASS_SENSOR_MULTILEVEL
CLASS: 0x60 COMMAND_CLASS_MULTI_CHANNEL_V2
CLASS: 0x70 COMMAND_CLASS_CONFIGURATION
CLASS: 0x71 COMMAND_CLASS_ALARM
CLASS: 0x72 COMMAND_CLASS_MANUFACTURER_SPECIFIC
CLASS: 0x80 COMMAND_CLASS_BATTERY
CLASS: 0x84 COMMAND_CLASS_WAKE_UP
CLASS: 0x85 COMMAND_CLASS_ASSOCIATION
CLASS: 0x86 COMMAND_CLASS_VERSION
CLASS: 0xEF COMMAND_CLASS_MARK
CLASS: 0x20 COMMAND_CLASS_BASIC

➔ NOT LISTENING ROUTING SLAVE
This Z-Wave product will be used as routing slave. Slave nodes are nodes in a Z-Wave network that receive commands and perform actions based on the command. This device will always be in sleep mode because it works on batteries. In sleep mode the device is not active listening, the device will wake up according to the wakeup command class.

➔ INCLUDE INITIATOR
The include initiator is used when Primary and Inclusion Controllers include nodes into the network. When both the include initiator have been activated simultaneously the new node will be included to the network (if the node was not included previously).

➔ EXCLUDE INITIATOR
The exclude initiator is used by Primary Controllers to exclude nodes from the network. When the exclude initiator and a slave initiator are activated simultaneously, it will result in the slave being excluded from the network (and reset to Node ID zero). Even if the slave was not part of the network it will still be reset by this action.

➔ Z-WAVE COMPATIBILITY
Because this is a Z-Wave device, it means it can co-operate with other Z-Wave devices of other manufacturers. It can co-exist in a Z-Wave network existing with product from other manufacturers.

➔ HOPS & RETRIES
The Z-Wave range has a range of up to 30 meters in line of sight. This signal is not limited to the 30 meter range due to routing the Z-Wave message to other nodes in the network. This way the range of the Z-Wave network can be expanded to 150 meters indoors (limit of 4 hops).

➔ CLASS 0X20 COMMAND_CLASS_BASIC
When a movement is detected a basic set frame with value 255 is sent to the associated nodes. If the configured time is done with no movement is detected a basic set frame with value 0 is sent to the associated nodes. This is the controlling role of the basic command class. The supporting role of the basic command class is mapped to the sensor binary command class.

➔ CLASS: 0X30 COMMAND_CLASS_SENSOR_BINARY
The Sensor Binary Command Class can be used to check if motion is detected, value 0 means that there is no motion detected and therefore a associated node is off, value 255 means that a associated node is on.

➔ CLASS: 0X80 COMMAND_CLASS_BATTERY
This class is used to request and report battery levels for a given device.

When battery level is lower then 20% the Multi Sensor Triple will send a battery warning (value 255) after every wake up notification. A battery get will report the actual value even if below 20 %

CLASS: 0X86 COMMAND_CLASS_VERSION
This Command Class is used to obtain information about the Multi Sensor Triple. The Z-Wave library type, the Z-Wave protocol version and the application version will be reported.

CLASS: 0X72 COMMAND_CLASS_MANUFACTURER_SPECIFIC
This will report information about the manufacturer. This product will contain the manufacturer ID of Wintop. Manufacturer ID of Wintop is 97, the ID of this product is 80.

CLASS: 0X70 COMMAND_CLASS_CONFIGURATION
CONFIGURE PARAMETERS:

0 | Not used
1 | Set to default
■ **DESCRIPTION:**
Set all config values to default values (factory settings).
Read more in chapter configuration Reset.
■ **SIZE:** 1 byte*
■ **PARAM1:** if 0xFF then set to default
■ **PARAM2,3,4:** not used

2 | Mode timeout
■ **DESCRIPTION:**
The time used in mode 2 to turn the sensor off. This Time will start running as soon as detection is seen.
■ **DEFAULT VALUE:** 0x0384 = 900 sec = 15 min
■ **SIZE:** 2 bytes (integer)*
■ **PARAM1:** the most significant byte of the integer
■ **PARAM2:** the least significant byte of the integer
■ **PARAM3,4:** not used

3 | Switch off time
■ **DESCRIPTION:**
The switch off time will start running as soon as mode timeout is done. Motion sensor is turned on and when movement is detected again the mode timeout (cfg param 1) will start running all over again. When switch off time is done a basic off message is sent to the associated node.
■ **DEFAULT VALUE:** 0x0A8C = 2700 sec = 45 min.
■ **SIZE:** 2 bytes (integer)*
■ **PARAM1:** the most significant byte of the integer
■ **PARAM1:** the least significant byte of the integer
■ **PARAM3,4:** not used

4 | Sensitivity
■ **DESCRIPTION:**
the sensitivity of the motion circuit
■ **DEFAULT:** 0x50 = 80
■ **SIZE:** 1 byte*
■ **PARAM1:** Sensitivity value between 0 and 127 (values above 127 will be reported as the set value but will be handled in SW as 127). 0 is least sensitive and 127 is most sensitive.
■ **PARAM2,3,4:** not used
5 | The mode
■ **DESCRIPTION:**
The mode that is entered after detection
■ **DEFAULT:** 0x02
■ **SIZE:** 1 byte*
■ **PARAM1:** mode 1, 2 or 3.
■ **MODE 1:** no detection possible. Battery save mode
■ **MODE 2:** normal operation mode: send on after detection and off after given time no detection.
■ **MODE 3:** Z-Wave chip is always on to request e.g. version or manufacturer id. If mode is 0 or higher then 3, that value will be reported after a get but will be handled in SW as mode 2.
■ **PARAM2,3:** not used.

5 | The temperature offset
■ **DESCRIPTION:**

A offset for the temperature.
■ **DEFAULT:** 0x00
■ **SIZE:** 2 bytes*
■ **PARAM1,2:** A signed integer to determine the offset off the temperature.
■ **PARAM3,4:** not used.

* if a size is other then given size the frame is ignored totally so configuration values are not changed

CLASS: 0X31 COMMAND_CLASS_SENSOR_MULTILEVEL
Sensor_multilevel_get
The Sensor Multilevel Command Class is used to get a report from the Multi Sensor Triple. The returned value is the measured temperatue inside the housing with 2 decimals.

CLASS: 0X60 COMMAND_CLASS_MULTI_CHANNEL_V2
Request temperature
■ CHANNEL 1
NOTE: The returned value is the measured temperature (+/- offset) inside the housing with 2 decimals.

Request light / lux
■ CHANNEL 2
NOTE: The returned value is the measured LDR resistance in %.

CLASS: 0X85 COMMAND_CLASS_ASSOCIATION
The Association Command Class is used to associate other devices with the Multi Sensor Triple. The devices that are associated can be controlled on application level. The Multi Sensor Triple can be associated into a grouping. If so, the Multi Sensor Triple can cont rol another Z-Wave device.

Number of groupings: 1
Maximum supported nodes per group: 5

Because only one group is supported grouping identifier is ignored in all cases.

CLASS: 0X84 COMMAND_CLASS_WAKE_UP
The Wake Up Command Class is used at battery-operated devices. This class allows the Multi Sensor Triple to wake up occasionally to notify others devices, that the Multi Sensor Triple is ready to receive commands. After receiving the commands the Multi Sensor Triple will go into sleep mode again. The wake up interval can be set using the WAKE_UP_INTERVAL_SET command.

The default value is 0x1C20 = 7200 sec = 2 hour
The default node is 0xFF = 255 (broadcast)

It is possible to send a wake up notification on user interaction. To do this press and hold the tamper switch for 8 seconds.
When the wake up time is set to 0 a wake up notification is never send periodically, only on user interaction.

CLASS: 0X71 COMMAND_CLASS_ALARM
This command class is used to identify the state of the tamper alarm. The device will send an unsolicited report to the controller if the status is changed, the value 0x00 will indicate that the tamper is placed correctly on the wall. The value 0xFF will indicate a tamper alarm.

There is 1 alarm type:
3: Tamper switch

Every other alarm type that is requested will be ignored by application.

CONFIGURATION RESET

The Multi Sensor Triple Supports a configuration reset function.

CONFIGURATION RESET MEANS

■ All configuration values are defaulted.
■ Wake up interval is defaulted.

This function can be activated by sending a configuration set frame:
CONFIGURATION_SET

■ **PARAMETER:** 0x01
■ **SIZE:** 0x01 (can´t be different from 1)
■ **VALUE:** 0xFF (can be any value except for 0x55 or 0xAA)

When the value of configuration value is requested 2 possible values can be returned

CONFIGURATION_REPORT
■ **PARAMETER:** 0x01
■ **VALUE 0X55:** Device doesn´t have all his configuration settings anymore. Even when a configuration parameter is changed back to the default value
■ **VALUE 0XAA:** Devices still has all his factory settings. This are only configuration parameters, wake up interval can be changed.

ALWAYS AWAKE MODE

The always awake mode is used to request different values from the device e.g. version and manufacturer specific.

The always awake mode can be activated by:
CONFIGURATION_SET
■ **PARAMETER:** 0x05
■ **SIZE:** 0x01 (can´t be different from 1)
■ **VALUE:** 0x03 (mode 3)

The always awake mode can be deactivated by:
CONFIGURATION_SET
■ **PARAMETER:** 0x05
■ **SIZE:** 0x01 (can´t be different from 1)
■ **VALUE:** Any value except 3

A second option to deactivate mode 3 is
1 | Remove batteries
2 | Wait ca 10 seconds
3 | Replace batteries

NOTE: in always awake mode the batteries will be drain very fast, we do not recommend to use this mode.

TROUBLESHOOTING

FREQUENTLY ASKED QUESTIONS
Q | I can´t have my Multi Sensor Triple included into my Z-Wave network, what am I doing wrong?
A **| 1 |** Is the controller ready to include any device into the Z-Wave network? If the controller is not in Include or exclude mode, the Multi Sensor Triple can not be included or excluded.
1 | The Multi Sensor Triple is already included in a Z-Wave network. Exclude the Multi Sensor Triple and Try to include it again.
Q | Why doesn´t the Multi Sensor Triple detect any movement?
A **| 1 |** The Multi Sensor Triple isn´t included in a Z-Wave network. Include it and try it again.
2 | The batteries are almost empty, try putting new ones in.

Q | The temperature report of the Multi Sensor Triple is incorrect.
A **| 1 |** The Multi Sensor Triple is placed directly in the sun, which makes the temperature in the housing of the Multi Sensor Triple hotter than elsewhere in the room.
2 | The calibration is not the same as your other temperature sensor, it is possible to do a re-calibration of the temperature sensor with Vera or other gateway.

Q | I have configured a value but when I request it, it is not changed?
A **|** It is mandatory that the correct size is used while configure a parameter; go to the documentation about the configuration

command class to check if the right size is used during configuration. If the wrong size is used the frame is ignored totally.

Q | I have configured a new value and when I request it the correct value is returned but the behavior is still the same?
A **|** Some configuration parameters have limits of what they can do, go to the documentation about configuration to check if the value of the configured parameter is out off limit.

Q | When I mount the Multi Sensor Triple it performs its standard mounting routine but after 8 seconds the indicator light doesn´t go on for 1 second but blinks 6 times.
A **|** blinking 6 times can mean:
1 | Multi Sensor Triple is not included
2 | Multi Sensor Triple is not associated
3 | Multi Sensor Triple can´t reached his destination
If all three options are corrected, Multi Sensor Triple is will operate correctly and can be mounted again.

Q | When I exclude the Multi Sensor Triple the configuration times ar e reset back to default.
A **|** That is correct when the Multi Sensor Triple is excluded all configurations including wake up timings are reset back to default. You will need to configure the device again after included into the controller. By forcing the tamper switch a wake up message (broadcast) will be send to easily change the configuration.

MODELS AND FREQUENCIES

MODELS
EUROPEAN UNION - EU version	wt-ms3in1.eu
UNITED STATES - US version	wt-ms3in1.us
RUSSIA - RU version	wt-ms3in1.ru
ISRAEL - IS version	wt-ms3in1.is
AUSTRALIA - AU version	wt-ms3in1.au
INDIA - IN version	wt-ms3in1.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

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.

IN CONTRACT, TORT, OR OTHERWISE. HOWEVER, NOTHING IN THIS AGREEMENT LIMITS ZIPATO'S LIABILITY TO YOU (I) IN THE EVENT OF DEATH OR PERSONAL INJURY TO THE EXTENT RESULTING FROM ZIPATO'S NEGLIGENCE, OR (II) TO THE EXTENT RESULTING FROM ANY FRAUDULENT MISREPRESENTATION ON THE PART OF ZIPATO, OR (III) TO THE EXTENT ARISING UNDER PART 1 OF THE CONSUMER PROTECTION ACT 1987 OF THE UNITED KINGDOM. SOME STATES OR COUNTRIES DO NOT ALLOW: (1) A DISCLAIMER OF IMPLIED WARRANTIES; (2) A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION; OR (3) LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT MAY VARY FROM STATE TO STATE OR FROM COUNTRY TO COUNTRY. YOU ARE ADVISED TO CONSULT APPLICABLE STATE OR COUNTRY LAWS FOR A FULL DETERMINATION OF YOUR RIGHTS.

This Limited Product Warranty applies to ZIPATO branded hardware products (collectively referred to as "ZIPATO Hardware Products") sold by ZIPATO (Europe), its European subsidiaries, affiliates, authorized resellers, or country distributors (collectively referred to as "ZIPATO Resellers") with this Limited Product Warranty.

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". The Limited Product Warranty will be honored in any country where ZIPATO or its authorized service providers offer warranty service subject to the terms and conditions set forth in this Limited Product Warranty. However, warranty service availability and response times may vary from country to country and may also be subject to registration requirements.

→ **LIMITATION OF PRODUCT WARRANTY**
ZIPATO warrants that the products described below under normal use are free from material defects in materials and workmanship during the Limited Product Warranty Period set forth below ("Limited Product Warranty Period"), if the product is used and serviced in accordance with the user manual and other documentation provided to the purchaser at the time of purchase (or as amended from time to time).
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**
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	Multi sensor Triple
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.
Banjavciceva 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:

Zipabox Smart home controller 1

CE

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 e 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.

FC

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 facilites) 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.
——
→ **TECHNICAL SUPPORT**
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

→ **CONTACT SUPPORT**
E-MAIL: support@zipato.com
(Mon-Fri) 9.00am-05.00pm (CET)
——
→ **COPYRIGHT**
© 2012 Tri plus grupa d.o.o. All Rights Reserved.

No part of this manual may be reproduced or transmitted in any form without the expressed, written permission of Tri plus grupa d.o.o.