

# 4 in 1 Multi sensor

## User manual

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Thank you for choosing the 4 in 1 MultiSensor, the ideal sensor for automation, safety and plant control. Z-Wave certified, the MultiSensor is compatible with the gateways of the MyVirtuoso Home home automation system.



[www.myvirtuosohome.com](http://www.myvirtuosohome.com)  
[www.smartdhome.com](http://www.smartdhome.com)

**SmartDHOME**

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### General Safety Rules

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**Before using this device, certain precautions must be taken to reduce any risk of fire and / or personal injury:**

1. Read all instructions carefully and follow all precautions contained in this manual. All direct connections to the mains conductors must be made by trained and authorized technical personnel.
2. Pay attention to all possible danger indications reported on the device and / or contained in this manual, highlighted with the symbol .
3. Disconnect the device from the power supply or battery charger before cleaning it. For cleaning, do not use detergents but only a damp cloth.
4. Do not use the device in gas saturated environments.
5. Do not place the device near heat sources.
6. Use only the original EcoDHOME accessories supplied by SmartDHOME.
7. Do not place the connection and / or power cables under heavy objects, avoid paths near sharp or abrasive objects, prevent them from being walked on.
8. Keep out of the reach of children.
9. Do not carry out any maintenance on the device but always contact the assistance network.
10. Contact the service network if one or more of the following conditions occur on the product and / or an accessory (supplied or optional):
  - a. If the product has come into contact with water or liquid substances.
  - b. If the product has suffered obvious damage to the container.
  - c. If the product does not provide performance conforming to its characteristics.
  - d. If the product has undergone a noticeable degradation in performance.
  - e. If the power cord has been damaged.

**Note:** Under one or more of these conditions, do not attempt to make any repairs or adjustments not described in this manual. Improper interventions could damage the product, force additional work to regain the desired operation and exclude the product from the warranty.

**ATTENTION!** Any type of intervention by our technicians, which will be caused by improperly performed installation or by a failure caused by improper use, will be charged to the customer.

**Provision for Waste Electrical and Electronic Equipment. (Applicable in the European Union and in other European countries with the separate collection system).**



This symbol found on the product or its packaging indicates that this product must not be treated as common household waste. All products marked with this symbol must be disposed of through appropriate collection centers. Improper disposal could have negative consequences for the environment and for the safety of human health. Recycling of materials helps to conserve natural resources. For more information, contact the Civic Office in your area, the waste collection service or the center where

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you purchased the product.

### Disclaimer

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SmartDHOME Srl cannot guarantee that the information regarding the technical characteristics of the devices in this document are correct. The product and its accessories are subject to constant checks aimed at improving them through careful analysis and research and development activities. We reserve the right to modify components, accessories, technical data sheets and related product documentation at any time, without notice.

On the website [www.myvirtuosohome.com](http://www.myvirtuosohome.com) the documentation will always be updated.

### Description

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The 4 in 1 multi sensor allows you to manage 4 different functions: movement, temperature, humidity and brightness. If included in the MyVirtuoso Home home automation system, the sensor can communicate directly with the dedicated MyVirtuoso Home ES application, sending alarm notifications or real-time reports of some of the monitored functions.

Thanks to MyVirtuoso Home it will be possible to create automatisms that will be put in place when the sensor detects some anomaly in the environment in which it is positioned.

The 4 in 1 is equipped with a fixing bracket that allows its installation on any type of surface using the plugs supplied or the double-sided adhesive present in the package.

The life of the batteries depends on the context of use and the configuration of the reporting frequency but can also last up to 2 years.

It can be powered either by battery or via MicroUSB Type B cable.



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### Specification

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<b>Battery</b>	2 CR123A, MicroUSB Type B batteries
<b>Protocol</b>	Z-Wave
<b>Communication range</b>	30m in open field
<b>Detection distance</b>	12 m
<b>Detection angle</b>	120°
<b>Temperature detection</b>	0-40 ° C
<b>Humidity detection</b>	0-85%
<b>Brightness detection</b>	0-3.000 Lux
<b>Tamper</b>	Yes
<b>Protection</b>	IP21
<b>Fixing</b>	with dowels or double-sided tape
<b>Frequency</b>	868.42 MHz
<b>Operating humidity</b>	< 95% (not condensed)
<b>Dimension</b>	45 (A) x 45 (L) x 48 (P) mm

### Package content

- Multisensor.
- Double-sided tape.
- Screws (x2).
- Micro USB power cable.
- User manual

### Installation

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1. Remove the back cover by unscrewing it and insert 2 CR123A batteries making sure the polarity is correct. Then close the lid only after you have included the device in the Z-Wave network.  
If you want to power the device via the supplied Micro USB cable, you will need to insert it into the appropriate slot.

**Note:** The MultiSensor can also be powered by a single CR123A battery. In this case it will have to be changed more frequently than inserting two batteries (average life of 1 year). If you intend to proceed, insert a CR123A into the slot marked with the number 1.

### Inclusion

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Before starting the procedure for including the device in a Z-Wave network, make sure that the MyVirtuoso Home gateway is in inclusion mode (refer to the relevant manual available on the website

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[www.myvirtuosohome.com/en/downloads](http://www.myvirtuosohome.com/en/downloads) ).

1. Press and hold the pairing button for 5 seconds until the LED turns on, then release it before it turns off.
2. The blue LED will flash at 1 second intervals until inclusion is successful.

**Note:** When the device is in inclusion mode, all features are disabled.

### Exclusion

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Before starting the procedure for including the device in a Z-Wave network, make sure that the MyVirtuoso Home gateway is in exclusion mode (refer to the relevant manual available on the website [www.myvirtuosohome.com/en/downloads](http://www.myvirtuosohome.com/en/downloads) ).

1. Press and hold the pairing button. present above the batteries, for 5 seconds until the LED lights up, then release it before it turns off.
2. The blue LED will flash at intervals of 0.5 seconds until the exclusion is successful.

### Reset

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1. Make sure the device is powered.
2. Press the pairing button for 10 seconds until the LED turns pink. Release the button before it goes out.

**Note:** This procedure will erase all data from the device (including home ID, node ID, etc.) and restore factory settings. Use this procedure only when the gateway is missing or not functional.

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### Disposal

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Do not dispose of electrical appliances in mixed urban waste, use separate collection services. Contact the local council for information about available collection systems. If electrical appliances are disposed of in landfills or in inappropriate places, hazardous substances can escape into groundwater and enter the food chain, damaging health and well-being. When replacing old appliances with new ones, the retailer is legally obliged to accept the old appliance for free disposal.

### Warranty and customer support

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Visit our website: <http://www.ecodhome.com/acquista/garanzia-eriparazioni.html>

If you encounter technical problems or malfunctions, visit the site:

<http://helpdesk.smartdhome.com/users/register.aspx>

After a short registration you can open a ticket online, also attaching images. One of our technicians will answer you as soon as possible.



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