Built-in actuator and meter
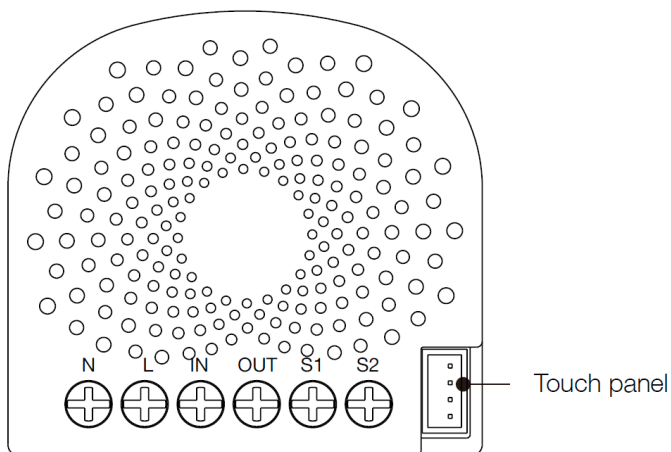User Manual

Summary

1. Introduction

SmartDHOME thanks you for choosing this built-in actuator and meter for plant automation.

This module is a Z-Wave certified device, compatible with any Z-Wave enabled network. All mains-powered Z-Wave devices also perform the signal repetition function for battery-powered devices, helping to eliminate possible signal shadow areas.

This actuator allows you to control (activate / deactivate) the power line to which it has been connected and to send an immediate report of the energy consumption to the Z-Wave gateway to which it has been associated.

2. Description and features

This device has been designed for internal use.

Touch panel

LEGEND

N	Neutral power supply
L	Power phase
IN	Input for power supply load
OU T	Output for load (directly connected to **IN**)
S1	External switch/button control
S2	External switch/button control

FEATURES

Protocol	Z-Wave
Transmission frequency	868.42 MHz
Signal range	30 meters in open field
Operating voltage	230 Vac
Stand-by power	< 0.8 W
Measuremen t accurancy	+/- 3 W
Dimension	42,5 (A) * 40 (L) * 20 (P) mm

PACKAGE CONTENT

1 Built-in actuator and meter.
1 User manual.

3. Installation:

a. Inclusion

1. Set the MyVirtuoso Home gateway in inclusion mode and press the button on the back of the device.
If the LED on the back of the device flashes green and then remains steady, the actuator has been included correctly. If the LED initially lights up

red and then changes in color, then the inclusion has not occurred. Repeat the operation.

2. In case of successful inclusion, the LED will remain on. The color it will take depends on the output: it will be green with an output of 0 A - 5 A, yellow with an output of 5 A - 9 A, red with an output of 9 A - 10.5 A.

b. Exclusion

Set the MyVirtuoso Home gateway in bypass mode, press the button on the back of the device.

If the exclusion is successful, the LED will change color again. In case of non-exclusion, however, the LED will remain in the color indicated in point 3: repeat the exclusion procedure.

Note: to avoid short circuits that could damage the device and to ensure safety during the installation phase, it is advisable to disconnect the general electric current.
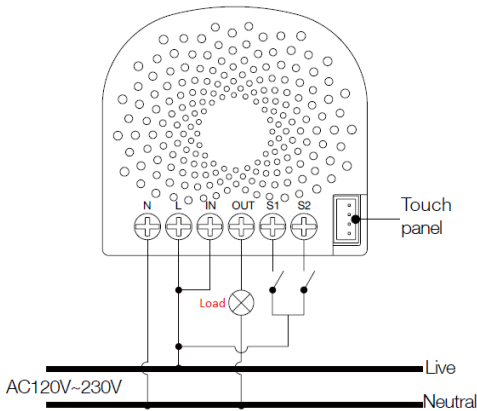
4. Operation

As soon as the actuator is connected to the phase to be measured, it will be able to detect and transmit consumption data or activate the home automation rules defined by the MyVirtuoso Home gateway.
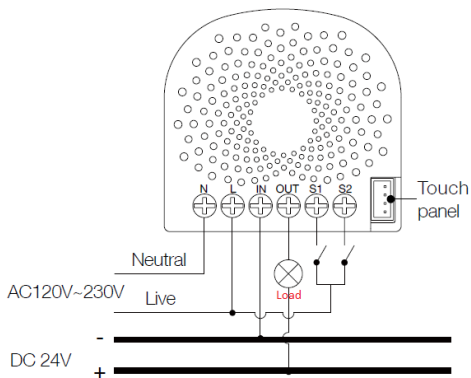
The line can also be disconnected manually by simply pressing the switch on the device.
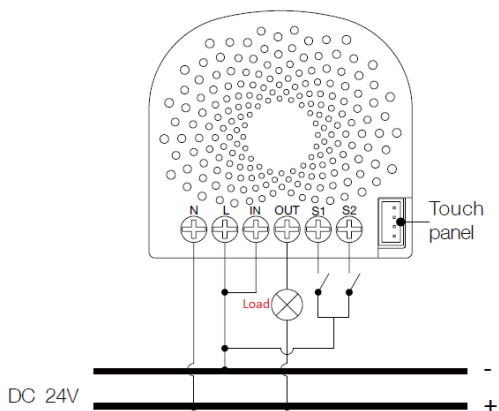
5. Connection diagrams

a. Input current 120 VAC – 230 Vac

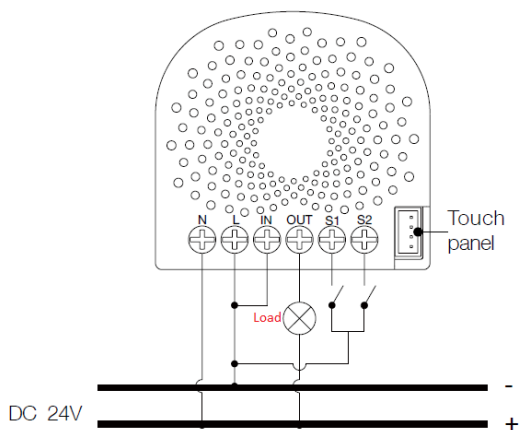
b. Input current 120 VAC – 230 VAC with 24 Vdc output

c. Input Current 24 Vdc
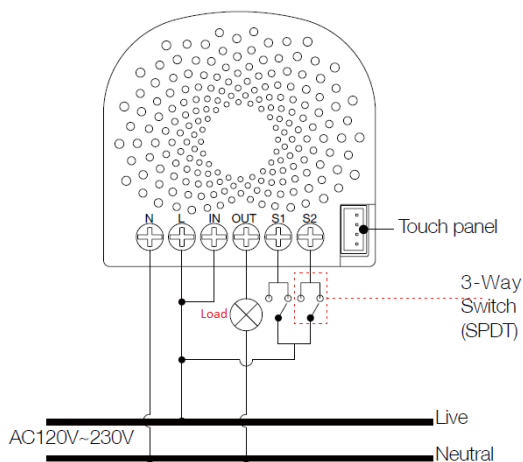

d. Input current 24 VDC with 120 VAC – 230 Vac output

Touch panel

Load

DC 24V

e. Deviated scheme for external button

Touch panel

3-Way
Switch
(SPDT)

Load

AC120V~230V

Live

Neutral

7. Warranty and Customer care

Visit the link for warranty information:
https://www.ecodhome.com/en/shop-online/terms-conditions.html

If you encounter technical problems or malfuncions, visit the website:

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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