

Shelly Qubino QNSN-0A24XEU Z Wave 4 Digital Inputs Controller



# Shelly Qubino QNSN-0A24XEU Z Wave 4 Digital Inputs Controller User Guide

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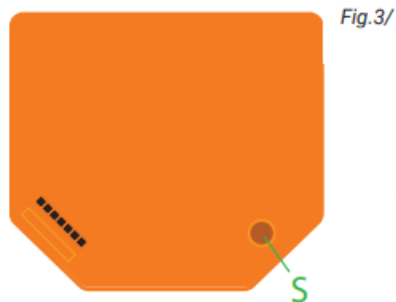
## LEGEND

### Device terminals:

- **N:** Neutral terminal
- **L:** Live terminal (110–240 V AC)
- **SW1:** Switch/push-button input terminal
- **SW2:** Switch/push-button input terminal
- **SW3:** Switch/push-button input terminal
- **SW4:** Switch/push-button input terminal
- Wires:
- **N:** Neutral wire
- **L:** Live wire (110-240 V AC)

### Button:

- **S:** S button (Fig. 3)



## USER AND SAFETY GUIDE

### Z-Wave® 4 digital inputs controller READ BEFORE USE

- This document contains important technical and safety information about the Device, its safe use, and installation.
- **CAUTION!** Before beginning the installation, please read carefully and entirely this guide carefully and any

other documents accompanying the Device.

- Failure to follow the installation procedures could lead to malfunction, danger to your health and life, violation of law, or refusal of legal and/or commercial guarantee (if any).
- Shelly Europe Ltd. is not responsible for any loss or damage in case of incorrect installation or improper operation of this device due to failure to follow the user and safety instructions in this guide.

## TERMINOLOGY

- **Gateway** – A Z-Wave® gateway, also referred to as a Z-Wave® controller, Z-Wave® main controller, Z-Wave® primary controller, or Z-Wave® hub, etc., is a device that serves as a central hub for a Z-Wave® smart home network.
- The term “gateway” is used in this document.
- **S button** – The Z-Wave® Service button, which is located on Z-Wave® devices and is used for various functions such as inclusion (adding), exclusion (removing), and resetting the device to its factory default settings.
- The term “S button” is used in this document.
- **Device** – In this document, the term “Device” is used to refer to the Shelly Qubino device that is a subject of this guide.

## ABOUT SHELLY QUBINO

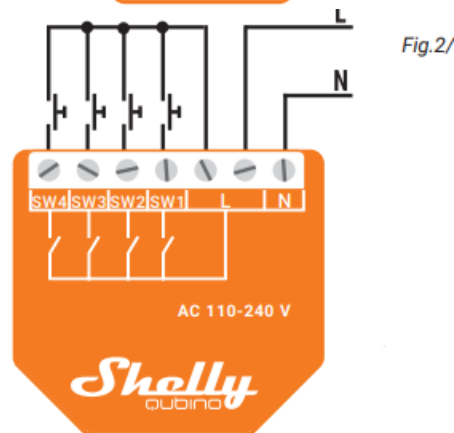
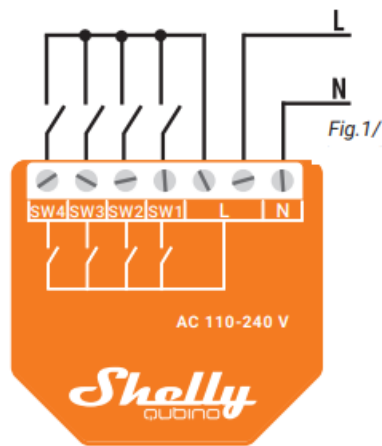
- Shelly Qubino is a line of innovative microprocessor-managed devices, which allow remote control of electric circuits with a smartphone, tablet, PC, or home automation system.
- They work on Z-Wave® wireless communication protocol, using a gateway, which is required for the configuration of devices.
- When the gateway is connected to the internet, you can control Shelly Qubino devices remotely from anywhere. Shelly Qubino devices can be operated in any Z-Wave® network with other Z-Wave® certified devices from other manufacturers.
- All mains-operated nodes within the network will act as repeaters regardless of vendor to increase the reliability of the network. Devices are designed to work with older generations of Z-Wave® devices and gateways.

## ABOUT THE DEVICE

- The Device is a 4-digital inputs module (110-240 V AC) that controls other devices within the Z-Wave network.
- It enables manual activation or deactivation of scenes with a switch/push button.

## INSTALLATION INSTRUCTIONS

- The Device can be retrofitted into a standard in-wall console, behind switches, or in other places with limited space.
- For the installation instructions, refer to the wiring schemes (Fig. 1-2) in this user guide.



- **CAUTION!** Danger of electrocution. Mounting/installation of the Device to the power grid has to be performed with caution, by a qualified electrician.
- **WARNING!** Danger of electrocution. Every change in the connections has to be done after ensuring there is no voltage present at the Device terminals.
- **CAUTION!** Do not open the Device. It does not contain any parts that can be maintained by the user. For safety and licensing reasons, unauthorized change and/or modification of the Device is not permitted.
- **CAUTION!** Use the Device only with a power grid and appliances that comply with all applicable regulations. A short circuit in the power grid or any appliance connected to the Device may damage it.
- **CAUTION!** Do not shorten the antenna.
- **RECOMMENDATION:** Place the antenna as far away as possible from metal elements as they can cause signal interference.
- **CAUTION!** Connect the Device only in the way shown in these instructions. Any other method could cause damage and/or injury.
- **CAUTION!** Do not install the Device where it can get wet.
- **CAUTION!** Do not use the Device if it has been damaged!
- **CAUTION!** Do not attempt to service or repair the Device yourself!
- **RECOMMENDATION:** Connect the Device using solid single-core cables or stranded cables with ferrules.
- **CAUTION!** Before starting the mounting/installation of the Device, check that the breakers are turned off and there is no voltage on their terminals.
- This can be done with a mains voltage tester or multimeter.
- When you are sure that there is no voltage, you can proceed to connect the wires.
- **CAUTION!** Do not insert multiple wires in a single terminal.
- **CAUTION!** Do not allow children to play with the push buttons/switches connected to the Device. Keep the devices for remote control of Shelly Qubino (mobile phones, tablets, PCs) away from children.

## EXTENDED USER GUIDE

- For more detailed installation instructions, use cases, and comprehensive guidance on adding/removing the Device to/from a Z-Wave® network, factory reset, LED signalization, Z-Wave® command classes, parameters, and much more, refer to the extended user guide at: <https://shelly.link/Wavei4-KB>.



## SPECIFICATIONS

Power supply AC	110-240 V, 50/60 Hz
Power supply DC	No
Power consumption	< 0.2 W
Overload protection	No
Power measurement (W)	No
Working without a neutral line	No
Number of inputs	4
Distance	up to 40 m indoors (131 ft.) (depends on local condition)
Z-Wave® repeater	Yes
CPU	Z-Wave® S800
Z-Wave® frequency bands	868,4 MHz; 865,2 MHz; 869,0 MHz; 921,4 MHz; 908,4 MHz; 916 MHz; 919,8 MHz; 922,5 MHz; 919,7-921,7-923,7 MHz; 868,1 MHz; 920,9 MHz
Maximum radio frequency power transmitted in frequency band(s)	< 25 mW
Size (H x W x D)	37x42x16 ±0.5 mm / 1.46x1.65x0.63 ±0.02 in
Weight	17 g / 0.6 oz
Mounting	Wall console
Screw terminals max. torque	0.4 Nm / 3.5 lbin
Conductor cross section	0.5 to 1.5 mm² / 20 to 16 AWG
Conductor stripped length	5 to 6 mm / 0.20 to 0.24 in
Shell material	Plastic
Color	Orange
Ambient temperature	-20°C to 40°C / -5°F to 105°F
Humidity	30 % to 70 % RH

## OPERATIONAL INSTRUCTIONS

- If the SW is configured as a switch (default), each toggle of the switch will trigger the predefined scene.
- If the SW is configured as a push-button in the Device settings, each press of the push-button will trigger the predefined scene.

## IMPORTANT DISCLAIMER

- Z-Wave® wireless communication may not always be 100% reliable. This Device should not be used in situations in which life and/or valuables are solely dependent on its functioning.
- If the Device is not recognized by your gateway or appears incorrectly, you may need to change the Device

type manually and ensure that your gateway supports Z-Wave Plus® multi-channel devices.

- ORDERING CODE: QNSN-0A24XXX
- XX – Values define product version per region.

## DECLARATION OF CONFORMITY

- Hereby, Shelly Europe Ltd. declares that the radio equipment type Wave i4 complies with Directive 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU.
- The full text of the EU Declaration of Conformity is available at the following internet address:  
<https://shelly.link/Wavei4-DoC>

## MANUFACTURER

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  - Support: <https://support.shelly.cloud/>
  - Web: <https://www.shelly.com>
  - Changes in the contact data are published by the Manufacturer on the official website.
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## Documents / Resources



[Shelly Qubino QNSN-0A24XEU Z Wave 4 Digital Inputs Controller](#) [pdf] User Guide  
QNSN-0A24XEU Z-Wave 4 Digital Inputs Controller, QNSN-0A24XEU, Z-Wave 4 Digital Inputs Controller, Digital Inputs Controller, Inputs Controller

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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