

NOUS
B1T Smart
Switch
Module With
Tasmota



NOUS B1T Smart Switch Module With Tasmota Instruction Manual

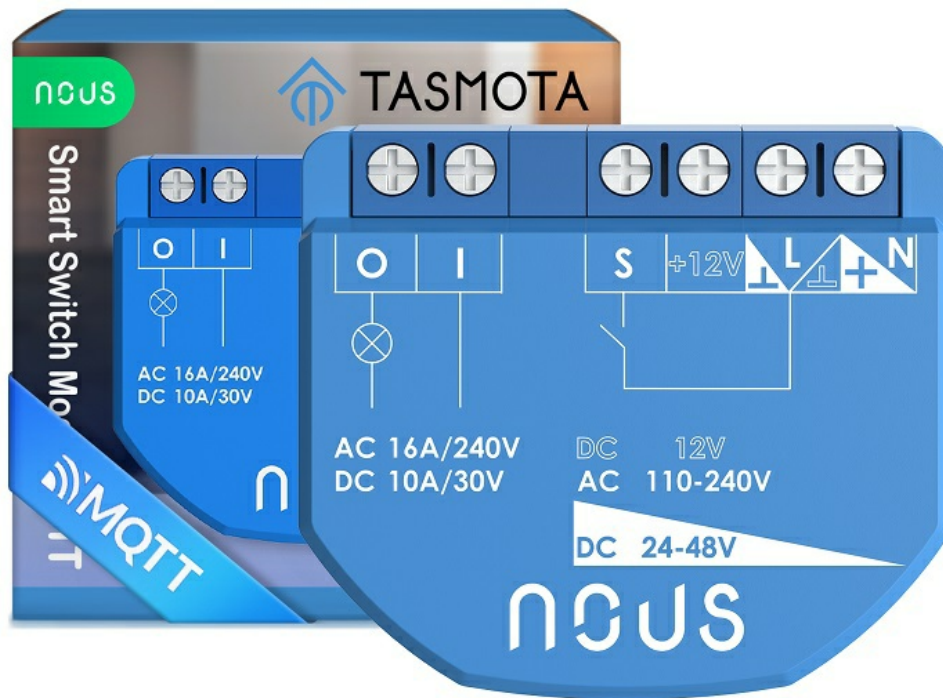
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NOUS

NOUS B1T Smart Switch Module With Tasmota



Specifications

- **Name:** Nous B1T
- **Button:** A short press switches the device ON/OFF
- **Indicator:** Shows current device status
- **UART:** Connectors for device programming

Product Usage Instructions

Precautions

For safety reasons, insert the plug fully into the outlet when in use.

Assembly:

Installation Procedure:

1. Connect the switch as shown in one of the electrical diagrams.
2. Once installation is complete, the device is ready to use.

Importantly: Ensure stable Wi-Fi network with a sufficient level in the chosen location.

Template Activation:

The template and rules are already activated but can be accessed later if needed using the provided template information.

Factory Reset:

To reset the device to factory settings:

1. Plug and unplug the device 6 times and leave it on for the 7th – the LED should start flashing.
2. If web interface access is available, type “reset 1” in the console and press enter.

Smart Home Systems Integration:

To connect the device to smart home systems using the Matter protocol, refer to the provided information link.

FAQs

Q: Can I use the device with a 5 GHz Wi-Fi network?

A: No, the device is designed to work only with 2.4 GHz Wi-Fi networks.

Q: How do I know if the device is successfully connected to Wi-Fi?

A: Upon successful connection, you will see the message “Successfully connected to Wi-Fi” along with the device’s network address.

Q: How do I reset the device to factory settings?

A: Plug and unplug the device 6 times, leaving it on for the 7th time until the LED starts flashing; alternatively, use the web interface and type “reset 1” in the console.

OPERATION MANUAL

NOTE: Tasmota is not a commercial product and support is limited. You must be willing to independently investigate and resolve potential issues. Detailed information on connection, changing settings and modifications is presented on the website ” <https://tasmota.github.io/docs/> ”

description

The NOUS B1T smart switch with Tasmota open software installed (hereinafter – the switch) is designed to organize automatic and manual shutdown of electrical appliances in the room, through remote access via a Wi-Fi network, using a smartphone or from a personal computer via Web interface. Communication with the switch is configured via a Wi-Fi network, for which a wireless Wi-Fi adapter is used. The switch is equipped with a mechanical button and a light indicator of the device’s status. The device is equipped with an electromechanical relay and supports the Matter protocol.

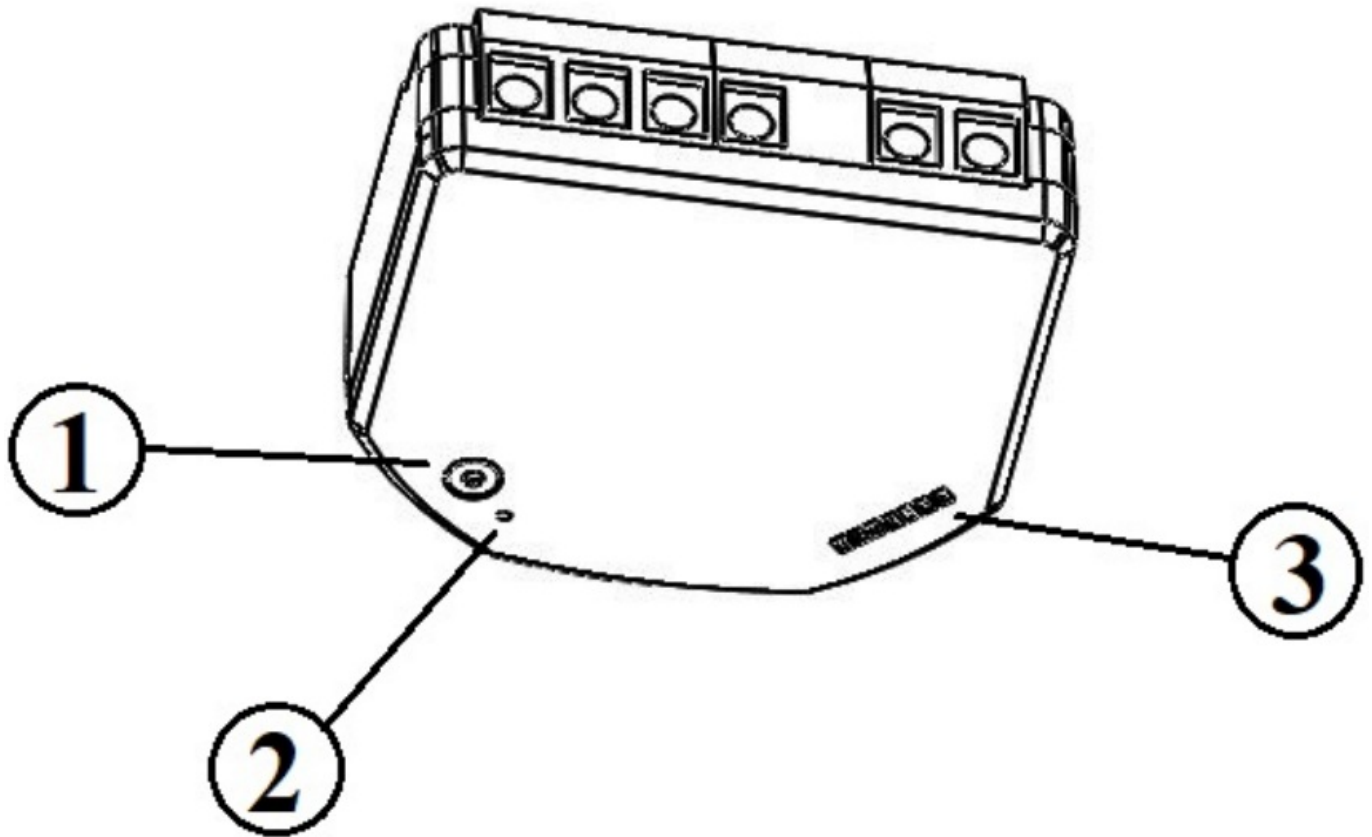
ATTENTION: The connection of a smart socket with a Wi-Fi network cannot be guaranteed in all cases, as it depends on many conditions: the quality of the communication channel and intermediate network equipment, the brand and model of the mobile device, the version of the operating system, etc.

PRECAUTIONS

- Read this manual carefully.
- Use the product within the temperature and humidity limits specified in the technical data sheet.
- Do not install the product near heat sources such as radiators, etc.
- Do not allow the device to fall and be subject to mechanical loads.

- Do not use chemically active and abrasive detergents to clean the product. Use a damp flannel cloth for this.
- Do not overload the specified capacity. This may cause short circuit and electric shock.
- Do not disassemble the product yourself – diagnostics and repair of the device must be carried out only in a certified service center.
- Please contact the seller for a replacement if there is damage caused by shipping.
- Please insert the plug into the outlet in proper condition and away from children.
- For safety reasons, insert the plug fully into the outlet when in use.

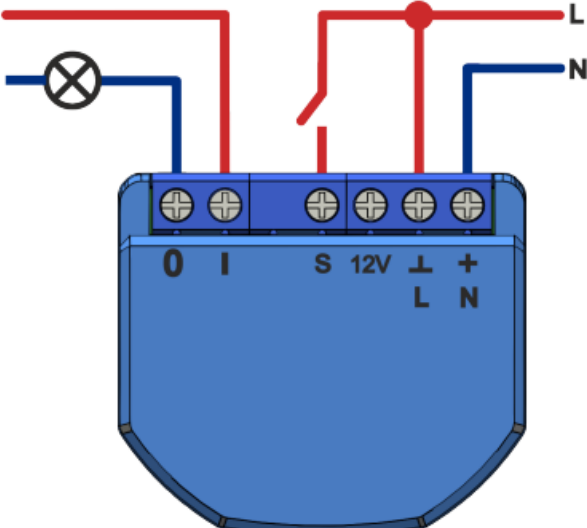
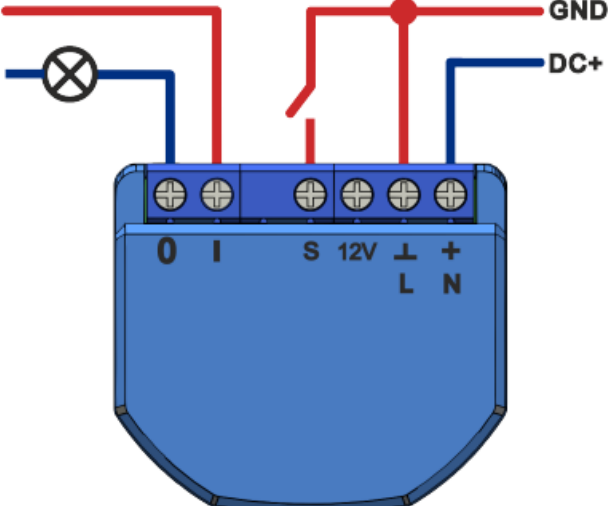
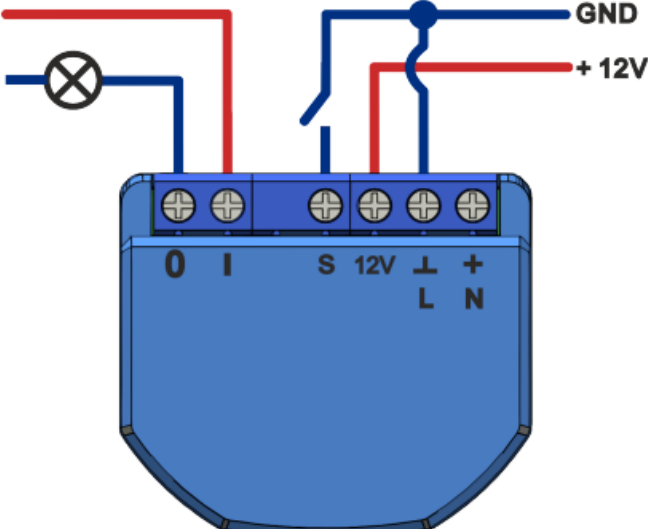
Design and controls



№	Name	description
1	Button	A short press of the button switches the device "ON" "OFF".
2	Indicator	Shows the current status of the device
3	UART	Connectors for device programming

Assembly

Installation procedure:


1	Connect the switch as shown in one of the electrical diagrams.	<p style="text-align: center;">110-240V</p> 
2	<p style="text-align: center;">Marking:</p> <ul style="list-style-type: none"> • 0 - relay output terminal • I - relay input terminal • S - switch input terminal • L - Live (110-240V) terminal • N - Neutral terminal • +12V -DC positive terminal • GND - DC ground terminal • DC+ - DC positive terminal 	<p style="text-align: center;">24-48V</p> 
3	When the installation is complete, the device is ready to use.	<p style="text-align: center;">12V</p> 
	Importantly:	

Make sure that the Wi-Fi network is stable and has a sufficient level in the chosen installation location.

A smartphone or personal PC is required to connect the Nous B1T switch.

The procedure for connecting the switch to the Wi-Fi network:

1	Make sure that the frequency range of the network to which the device will be connected is 2.4 GHz, otherwise the switch will not connect, since the device is not designed to work with 5 GHz Wi-Fi networks;
2	Connect the device to the network. On the PC, the access point "tasmota-xxxxxxx" should appear in the list of networks, if the access point is not detected, you need to perform a "RESET" according to point 11
3	Connect to hotspot "tasmota-xxxxxxx"
4	After connecting to the access point, the browser will automatically open and go to the link 192.168.4.1, if this operation was not followed, then you need to open the browser and enter 192.168.4.1 in the address input field
5	On the open page, you need to select your access point and enter its password in the field below and click "Save"

<div><div>Tasmota</div><div>Select your WiFi Network</div><div>Mi3<div></div></div><div>Scan for all WiFi Networks</div><div><div>Wifi parameters</div><div>WiFi Network<div>Mi3</div></div><div>WiFi Password <input checked="" type="checkbox"/><div>yourpasswordhere</div></div><div>Save</div></div><div>More Options</div></div>	<div><div>Tasmota</div><div>Trying to connect device to network</div><div><div>Tasmota</div><div>Successful WiFi Connection</div><div>Redirecting to new device's IP address</div><div>10.1.1.210</div></div></div>
6	When the connection is complete, the inscription "Successfully connected to Wi-Fi" and the address of your device on the network will appear
7	Connect to your Wi-Fi network and go to the address that was specified in point 6
8	You will need to calibrate the device for the power source. You can find how to do it here: https://tasmota.github.io/docs/Power-Monitoring-Calibration/
9	The device is ready for use. The template and rules are already activated, but if you need it later, you can find it below
<div><div>NOUS B1T</div><div>Tasmota</div><div>Matter: No active association</div><div>Commissioning open for 10 min</div><div>Manual pairing code: 2233-211-2027</div><div></div><div>MT:Y.K90AFN006XRQ1VF00</div><div>OFF</div><div>Toggle</div><div>Configuration</div><div>Information</div><div>Firmware Upgrade</div><div>Consoles</div><div>Restart</div></div>	<div><div>NOUS B1T</div><div>Tasmota</div><div><div>Template parameters</div><div><div>Name</div><div>NOUS B1T</div></div><div><div>Based on</div><div>ESP32 DevKit (1)</div></div><div><div>GPI00</div><div>LedLink</div></div><div><div>GPI01</div><div>None</div></div><div><div>GPI02</div><div>User</div></div><div><div>GPI03</div><div>None</div></div><div><div>GPI04</div><div>Button</div></div><div><div>GPI05</div><div>Switch</div></div><div><div>GPI06</div><div>None</div></div><div><div>GPI07</div><div>None</div></div><div><div>GPI08</div><div>None</div></div><div><div>GPI09</div><div>User</div></div><div><div>GPI010</div><div>User</div></div><div><div>GPI011</div><div>None</div></div><div><div>GPI012</div><div>Relay</div></div><div><div>GPI013</div><div>None</div></div><div><div>GPI014</div><div>None</div></div><div><div>GPI015</div><div>User</div></div><div><div>GPI016</div><div>User</div></div><div><div>GPI017</div><div>User</div></div><div><div>GPI018</div><div>None</div></div><div><div>GPI019</div><div>User</div></div><div><div>GPI020</div><div>None</div></div><div><div>GPI021</div><div>User</div></div><div><div>GPI022</div><div>User</div></div><div><div>GPI023</div><div>User</div></div><div><div>GPI024</div><div>None</div></div><div><div>GPI025</div><div>User</div></div><div><div>GPI026</div><div>User</div></div><div><div>GPI027</div><div>User</div></div><div><div>GPI032</div><div>User</div></div><div><div>GPI033</div><div>User</div></div><div><div>GPI034</div><div>User</div></div><div><div>GPI035</div><div>None</div></div><div><div>GPI036</div><div>User</div></div><div><div>GPI037</div><div>None</div></div><div><div>GPI038</div><div>None</div></div><div><div>GPI039</div><div>User</div></div><div>Save</div></div></div>

