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NodOn ZIGBEE ROLLER SHUTTER RELAY SWITCH Instruction Manual

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NodOn ZIGBEE ROLLER SHUTTER RELAY SWITCH



Specification

- Reference: SIN-4-RS-20
- Power supply: 230V AC ~ 50Hz
- Switching capabilities: 230V AC – 3A
- Consumption: <5W

- Maximum engine power: 280W Max – 60 Nm Max
- List of compatible motors available on nodon.fr/loads
- RF Protocol: Zigbee 3.0
- Radiofrequency range: 2.4Ghz
- RF power Max: +10dBm
- Range: up to 40m indoor
- Operational temperature: -20°C to 60°C
- Protection rating: IP 20
- Dimension: 40 mm (l) x 44 mm (L) x 16,9 mm (h)
- Weight: 34 g
- Warranty: 2 years

USE CAUTIONS

- Never use the device if it is not correctly installed and placed inside a connecting box in conformity with the current norms.
- Keep the product far away from liquids.

DETAILED USER GUIDE

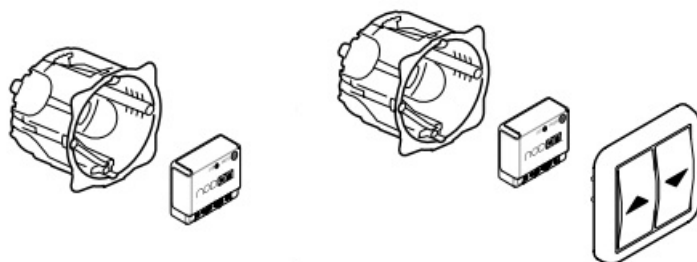
Directly access the detailed user guide in the Support section on nodon.fr/en/technicalsupport/

APPROVALS AND CERTIFICATIONS

NodOn SAS declares that this radio equipment conforms to the RED directive 2014/53/UE. The integral text of the EU declaration of conformity is available at the following online address: nodon.fr/en/support section. Hereby, NodOn declares that the radio equipment type direct current motor controller is in compliance with RER 2017 (SI 2017/1206). The full text of the UK declaration of conformity is available at the following internet address: nodon.fr/en/support section. UK importer address:xxxxxx The presence of this symbol on a product indicates that this one conforms to the European directive 2012/19/UE. Find out more about the provisions in force in your region regarding the separate collection of electrical and electronic devices. Respect the local rules and do not throw out the product with ordinary domestic waste. The correct rejection of ancient products allows preserving the environment and health. This product must be used indoors only. The device is used 20 cm or more from the human body. This product conforms to Zigbee radio protocol.

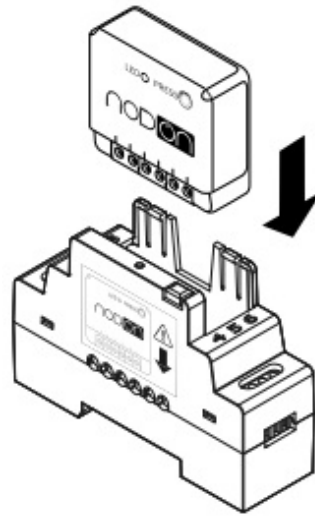
DANGER OF ELECTROCUTION

BEFORE ANY INSTALLATION MAKE SURE THE POWER SUPPLY IS DISCONNECTED TO AVOID ANY RISK OF ELECTROCUTION. Directly cut the power supply from the breaker box to avoid any risk of electrocution. This relay switch is designed to be used to power up, a wrong installation can create a fire or an electric shock. If you are not confident about electrical installation, please ask a professional. The relay switch must be installed and connected carefully following the instructions of this user guide. We will not be responsible for any loss or damage resulting from a non-respect of the instructions of this user guide. Cut the power supply before any operation and don't do any modification if the LED is still ON.



INSTALLATION

Thanks to its compact size, the Zigbee Roller Shutter Relay Switch can be installed in a connecting box or behind the



wall switch which controls the roller shutter or motorized awning.

TIP

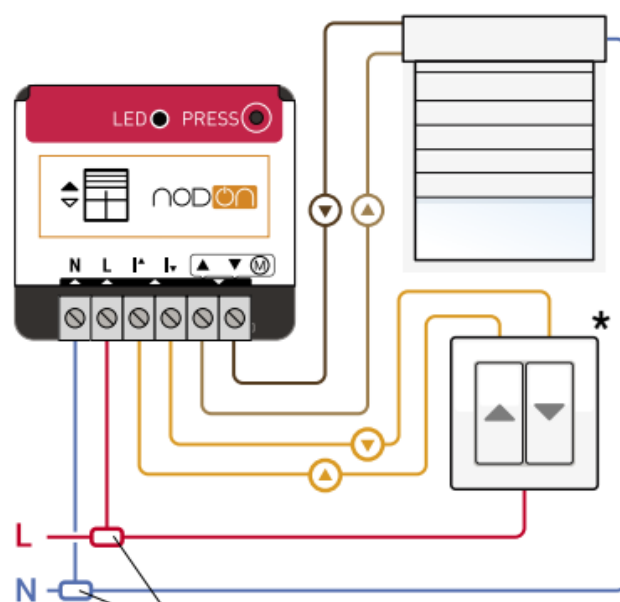
Add the Zigbee Roller Shutter Relay Switch to the electric panel with NodOn DIN Rail Box*. *Optional accessory

RELAY SWITCH INPUT/OUTPUT



N	Terminal for the Neutral
L	Terminal for the Line
I▲	Input terminal for the wired switch "up"*
I▼	Input terminal for the wired switch "down"*
▲(M)	Engine output terminal "up"
▼(M)	Engine output terminal "down"

Each terminal should be installed with a cable from 1.5mm² to 4mm² maximum, stripped of 8mm. *Wired switch optional.



INSTALLATION DIAGRAM

Figure 1

*Wired switch optional.

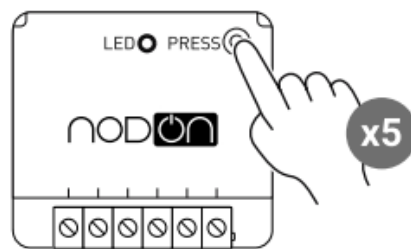
1. Cut the power supply.
2. Disassemble the wired wall switch which controls the roller shutter/awning you want to connect.
3. Wire the Relay Switch according to the diagram in figure 1.
4. Reassemble the wired wall switch.
5. Turn the power back ON.

Discover the other installation diagrams in the “support” section on nodon.fr/en/

AUTO-DETECTION OF SWITCH TYPE

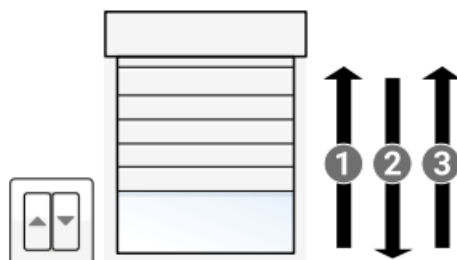
After turning the power supply ON, do a single push on the wired wall switch to bring the roller shutter half-height. The Relay Switch has an auto-detection system to automatically detect the type of wired wall switch (rocker or push-button) wired at the input. Find all the installation diagrams in the “support” section on nodon.fr/en/

CALIBRATION OF THE ROLLER SHUTTER RELAY SWITCH

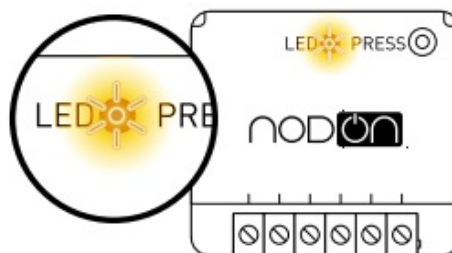


Note: The Relay Switch Led blinks green, meaning the calibration has well started.

The relay Switch must be power supplied.

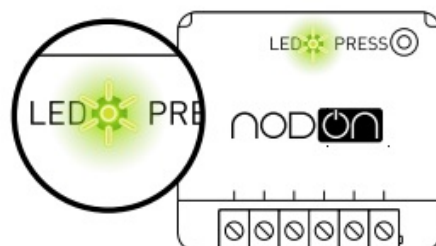


1. Do 5 short presses.
2. The roller shutter/awning confirms the auto-calibration by performing a complete cycle "up/down/up" **. **Cancel the calibration:** Press 5 times on the Roller Shutter Relay Switch or once on the wire Switch.** If the cycle is reversed (down/up/down), If the cycle is reversed (down/up/down), switch and



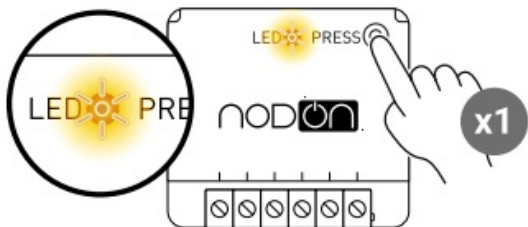
ADDING TO A ZIGBEE NETWORK

When power is turned ON, the relay switch Led will blink orange, looking to join a Zigbee network. Go to your Zigbee gateway app to activate the relay switch detection See the compatible home automation gateways



onnodon.fr/en/support/

If the relay switch has correctly joined the network, the Led becomes green. The relay switch is ready for use.



If the relay switch hasn't joined a network within 15 minutes, the Led becomes orange. Do a brief press on the relay switch button and start again.

UNPAIRING PROCEDURE

To remove the module from its network, perform a Module Reset (see "Reset Procedure").

RESET PROCEDURE

The relay switch must be power supplied.

1. Press more than 5 seconds on your module's button. The Led blinks orange.
2. Press the button again (short press) to validate the reset. If the reset is successful, the Led flashes red and green alternately, then flashes orange. Repeat if necessary.
3. Your module has returned to its original configuration and is ready to join a new Zigbee network.

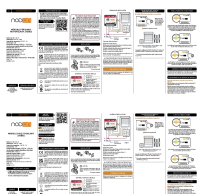
CONTACT

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AFTER-SALES SERVICE

nodon.fr/en/ "support" section support@nodon.fr

Documents / Resources



[NodOn ZIGBEE ROLLER SHUTTER RELAY SWITCH](#) [pdf] Instruction Manual
ZIGBEE ROLLER SHUTTER, RELAY SWITCH, ROLLER SHUTTER

[NODON ZIGBEE Roller Shutter Relay Switch](#) [pdf] User Guide
ZIGBEE Roller Shutter Relay Switch, ZIGBEE Roller Shutter, Shutter Relay Switch

References

- [Fabricant domotique OBL - OEM - ODM pour la Maison Connectée](#)
- [technische Unterstützung für NodOn | technische Dokumentationen, Lernprogramme, Anwendungsbeispiele](#)
- [Smart Home & Building - OEM ODM OBL solutions for IoT products](#)
- [Technical Support NodOn | Product documentation, tutorial, use cases](#)
- [Fabricante domótico OBL - OEM - ODM para el Hogar Conectado](#)
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