nodon SIN-2-1-01 Networked Home Automation Radio Module User Guide

Contents

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MULTIFUNCTION RELAY SWITCH

- **Reference**: SIN-2-1-01
- **Power supply**: 230V AC ~ 50Hz
- **Switching capabilities:** 230V AC – 10A // 30V DC – 10A Consumption: <1W
- **Max. Power**: 2300W (Resistive load)
- **List of compatible loads available on nodon.fr/loads Radio frequency range:** 868.0 to 868.6 Mhz
- **RF power Max:** +3dBm
- **Range:** up to 30m indoor
- **Operational temperature:** -10°C to 40°C
- **Protection rating**: IP 30
- **Pairing:** up to 22 controllers
- **EEP (EnOcean Profile):** D2-01-0F
- **Dimensions:** 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 on the Support section on nodon. **fr/en/technical-support/**

APPROVALS AND CERTIFICATIONS

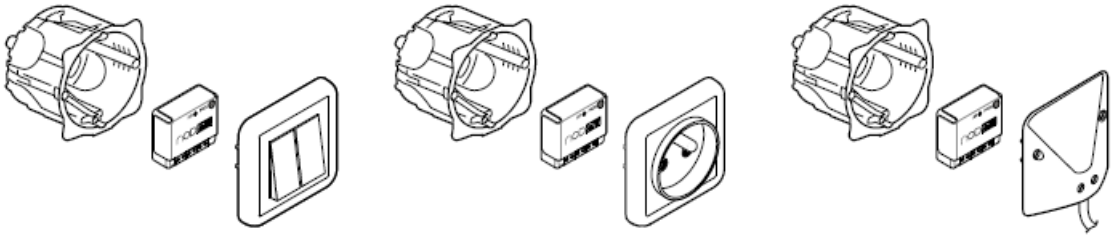
Hereby, NodOn SAS declares that this radio equipment conforms to the RED directive 2014/53/UE. The integral text of the EU declaration of conformity is available at the following online address: **nodon.fr/en/ "support" section**.

- The presence of this symbol on a product indicates that this one is conform 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 common domestic wastes.
- The correct rejection of ancient products allows for preserving the environment and health.
- This product must be used indoors only.
- This product conforms to EnOcean radio protocol.

DANGER OF ELECTROCUTION

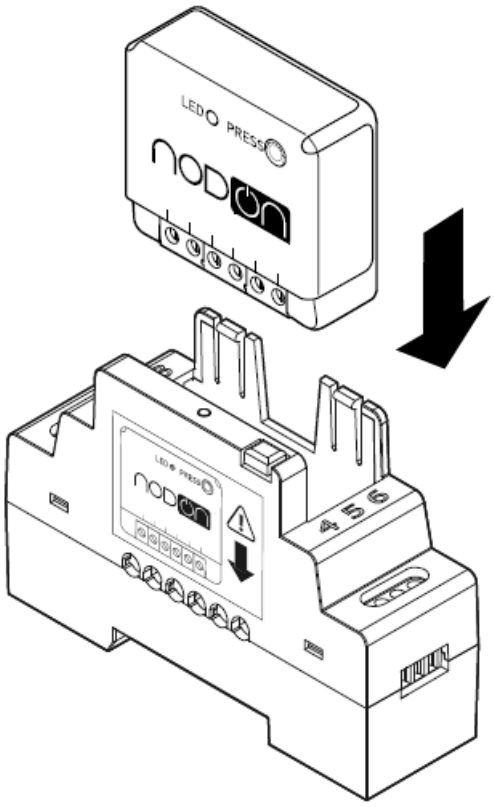
BEFORE ANY INSTALLATION MAKE SURE THE POWER SUPPLY IS DISCONNECTED TO AVOID ANY RISK OF ELECTROCUTION. Directly cut the power supply from the breaker box to avoid any risk of electrocution. This relay switch is designed to be used to power up, a wrong installation can create a fire or an electric shock. 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 Multifunction Relay Switch can be installed behind a wall switch, an electrical outlet or a cable outlet.

TIP



Add the Multifunction Relay Switch to the electric panel with NodOn DIN Rail Box*.

RELAY SWITCH INPUT/OUTPUT

N	Terminal for the Neutral
L	Terminal for the Line
I1	Input terminal for the wired switch 1 (I1)*
I2	Input terminal for the wired switch 2 (I2)*
	Input terminal, the potential will pass through the output terminal
	Output terminal

- Each terminal can accept a cable of 2.5mm² maximum, stripped of 8mm.
- Wired switch optional (see the installation diagrams section).

INSTALLATION – GATE/GARAGE DOOR/ ELECTRIC LATCH

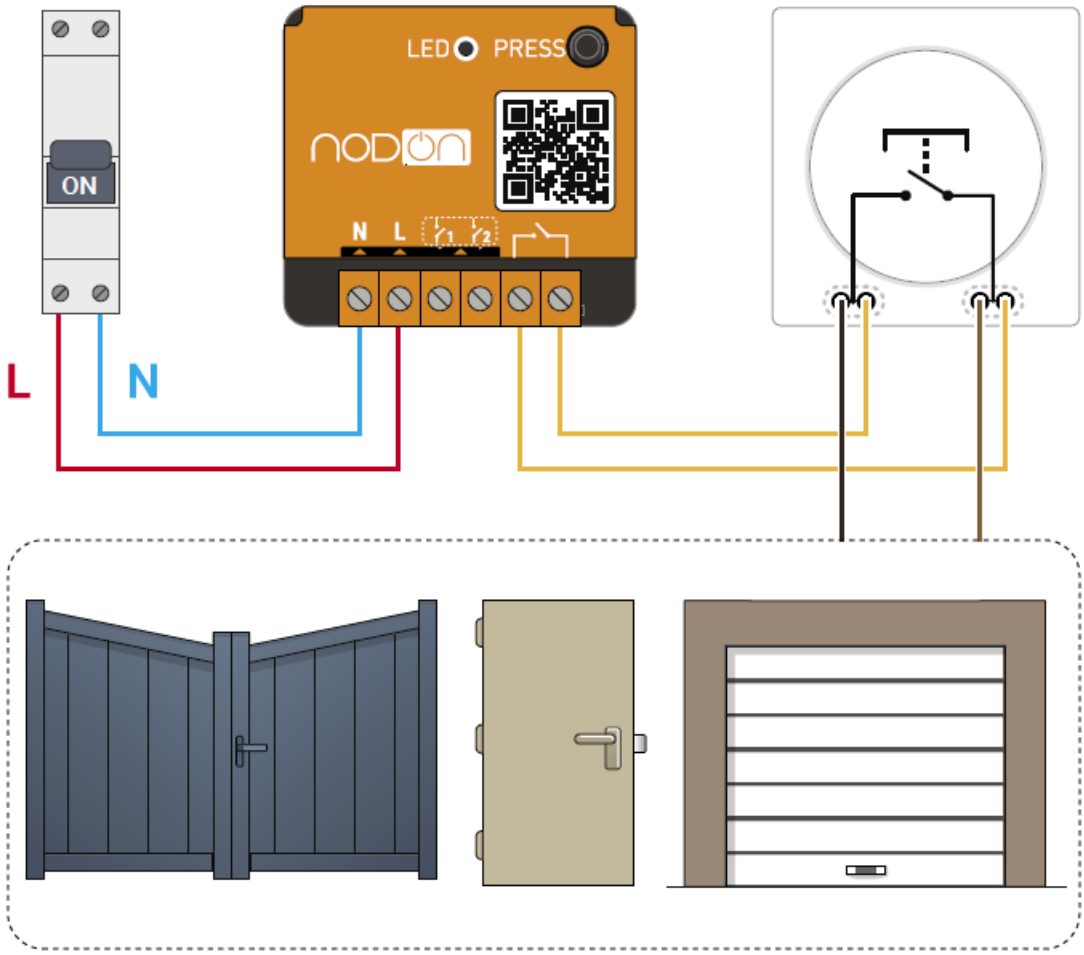


Figure 1

1. Cut the power supply.
2. Disassemble the push-button which controls the gate/garage door/electric latch.

3. Wire the Multifunction Relay Switch, in parallel to the push-button following the diagram in figure 1.
4. Turn the power back ON.

   Warning: Activate the control access mode (see the section) before pairing to avoid any damage of your equipment.
5. Pair the Multifunction Relay Switch, see “Pairing procedure”.
6. Reassemble the push-button which controls the gate/garage door/electric latch.

AUTO-DETECTION OF SWITCH TYPE

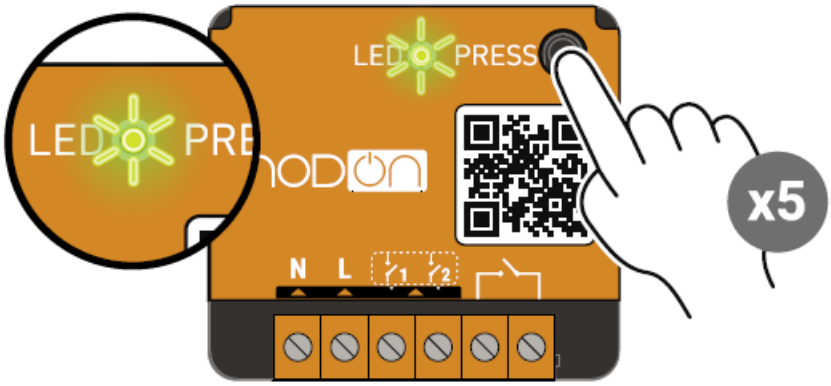
After turning the power supply ON, do a single push on the wired wall switch. The relay switch has an auto-detection system to automatically detect the type of wired wall switch (rocker or push-button) wired at the input.

Note: The same configuration is applied for both inputs (I1 and I2). It is not possible to combine a rocker switch with a push button. To perform a new auto-detection, the multifunction Relay Switch must be manually reset (see reset procedure).

CONTROL ACCESS MODE

It is imperative to activate the control access mode before pairing your remote/wall switch to control your gate/garage door/electric latch to avoid damaging your equipment.

Relay switch must be power supplied



1. Do 5 brief presses on the button of the relay switch. The LED pulses in green, confirming the activation of the control access mode.
2. You can continue the installation procedure

INSTALLATION – ELECTRICAL OUTLET

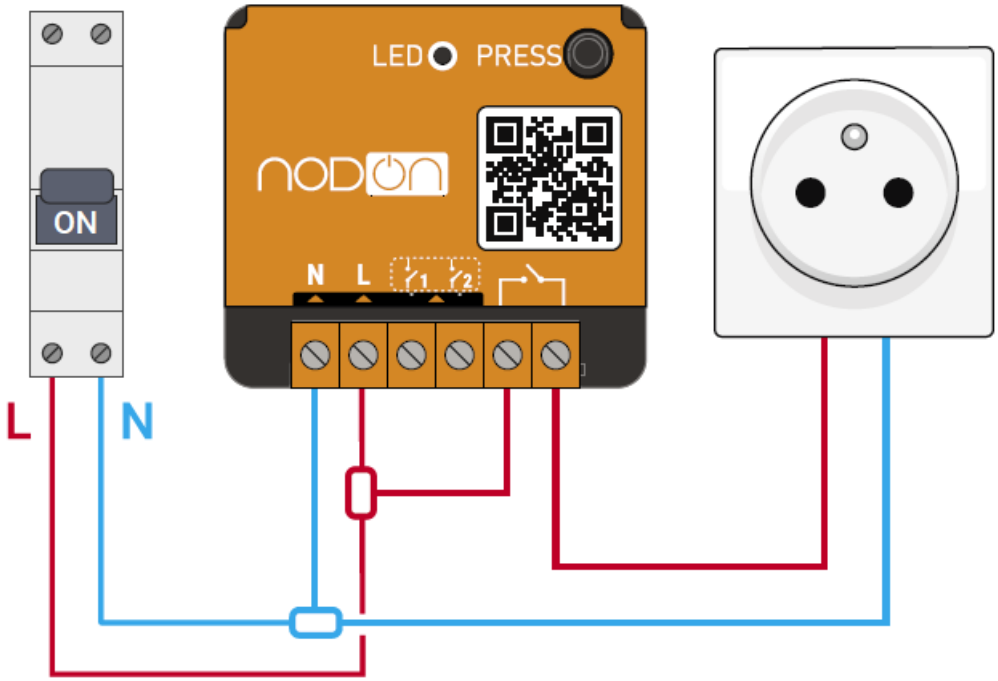


Figure 2

1. Cut the power supply.
2. Disassemble the electrical outlet.
3. Wire the Multifunction Relay Switch, following the diagram figure 2.
4. Turn the power back ON.
5. Pair the Multifunction Relay Switch, see “Pairing procedure”.
6. Reassemble the electrical outlet

INSTALLATION – BOILER

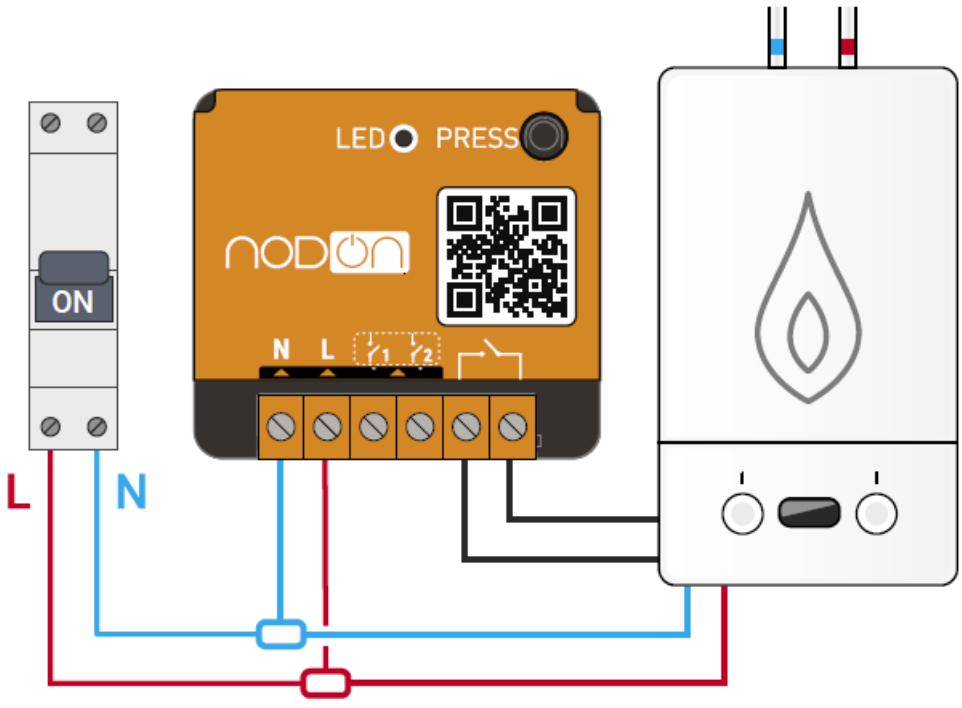


Figure 3

1. Cut the power supply.
2. Disassemble the cable outlet.
3. Wire the Multifunction Relay Switch following the diagram in figure 3, making sure to connect the two wires which control the ambient thermostat (see your boiler user guide).
4. Turn the power back ON.
5. Follow the start-up procedure according to your home automation gateway.
6. Reassemble the cable outlet.

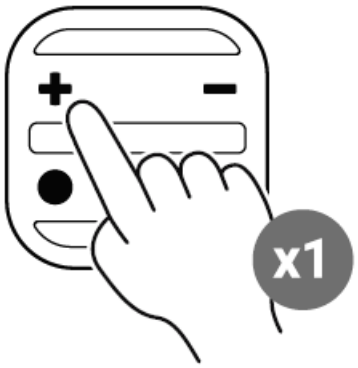
PAIRING PROCEDURE

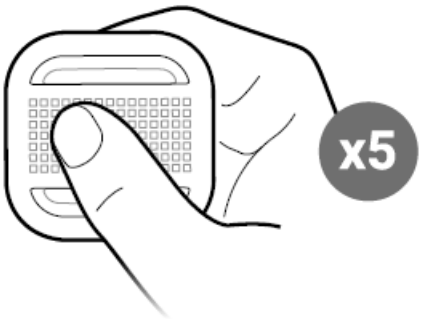
To add a remote or a wall switch or the Soft Button (EnOcean compatible) you must enter the pairing mode, your light must be switched OFF.

Relay switch must be power supplied

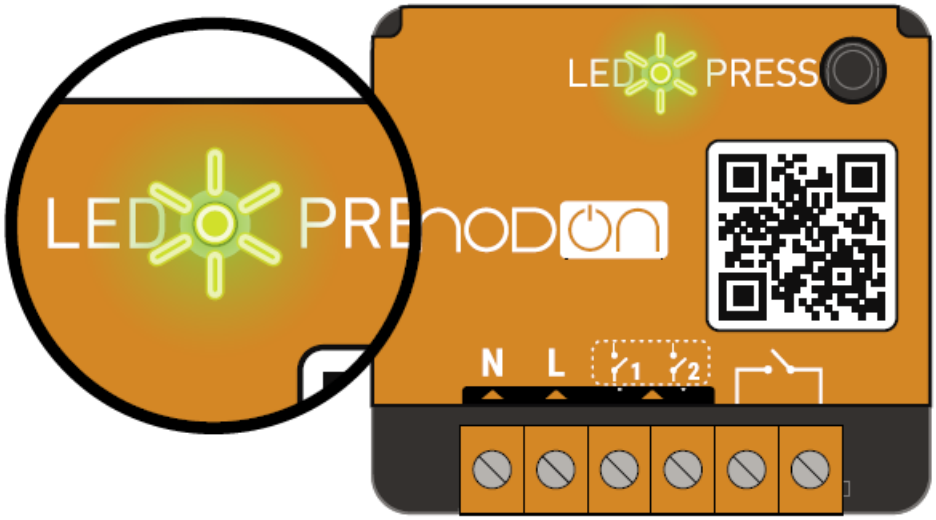
1. Launch the pairing by doing 3 consecutive presses on the relay switch button. The LED blinks red

2. You have now 30 seconds to pair your controller by briefly pressing on the button of your choice, this one will control your gate/garage door/electric latch or your electrical outlet.
3. You have now 30 seconds to pair your Soft Button by doing 5 brief consecutive presses on the button.





4. The relay switch LED will blink green twice, confirming the pairing



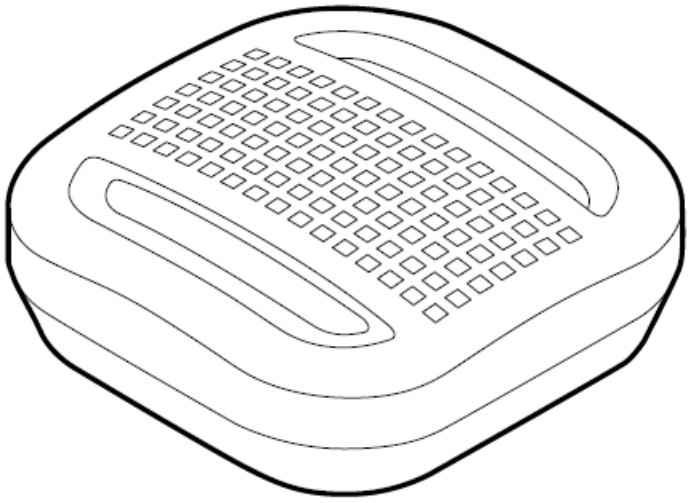
Note: if the LED blinks orange during the pairing procedure, it means that more than 22 controllers are paired and that no more controller can be paired. You must remove one controller to add a new one.

USE OF YOUR SOFT BUTTON

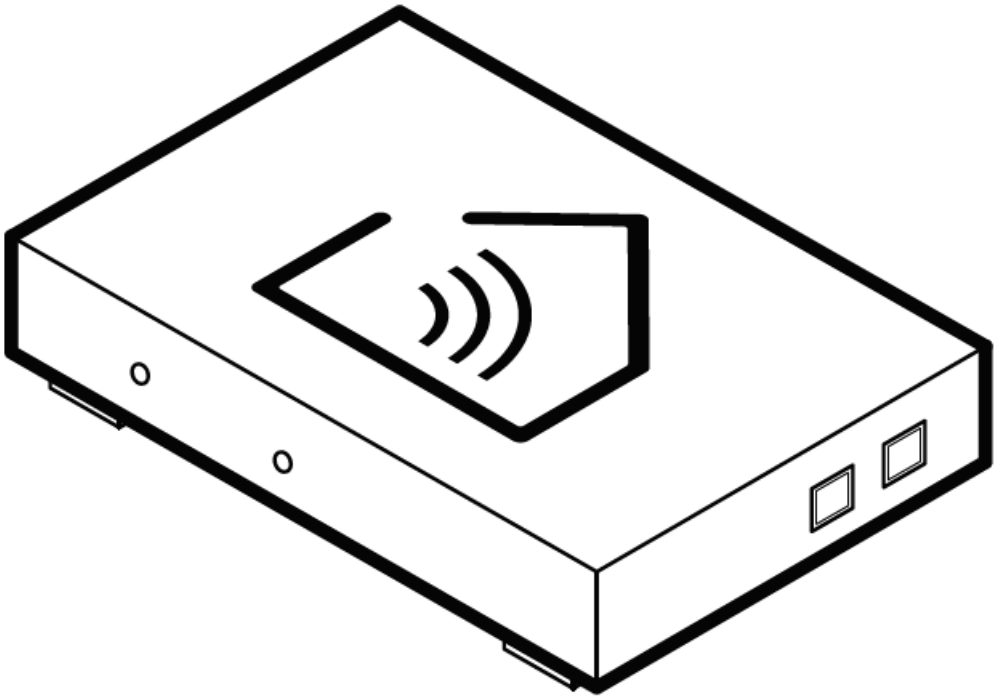
The Soft Button will work as follows

PAIRING

Types of press	Action
Single press	Reversal
Double press	ON
Long press	OFF



For more details on how to pair a home automation gateway or other compatible products, please consult the “Support” section on nodon.fr/en/



UNPAIRING PROCEDURE

Do the same procedure as a pairing (see “pairing procedure”) and takes care of pressing the button chosen to control your gate/ garage door/electric latch or your electrical outlet.

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 once again the button (short press) to confirm the reset. If the reset is correct, the LED blinks alternatively in red and green and stays green. Start again if necessary.
3. Your module has now its original settings

CONTACT

NodOn SAS 121 rue des Hêtres 45590 St CYR EN VAL (FRANCE)

AFTER SALES SERVICE

nodon.fr/en/ “support” section **support@nodon.fr**

Documents / Resources

	**nodon SIN-2-1-01 Networked Home Automation Radio Module** [pdf] User Guide SIN-2-1-01, Networked Home Automation Radio Module, Home Automation Radio Module, Automation Radio Module, Radio Module, SIN-2-1-01, Module

References

- Smarte Wohnungen & Häuser - OEM ODM OBL Lösungen für IoT Produkte
- 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
- Charges compatibles / Compatible loads