



MULTIFUNCTION RELAY SWITCH

Reference: SIN-2-1-XX
 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 www.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

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 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.

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 www.nodon.fr/en/support/multifunction-relay-switch

SUPPORTED DEVICES PROFILES

The list of supported profiles (devices, home automation gateways) is available in the "Support" section on www.nodon.fr

INSTALLATION DIAGRAMS

Find all the installation diagrams on the "Support" section on www.nodon.fr

APPROVALS AND CERTIFICATIONS



Hereby, NodOn SAS declares that this radio equipment is conform to the RED directive 2014/53/UE. The integral text of the EU declaration of conformity is available at the following online address: www.nodon.fr "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 to preserve the environment and health.



This product must be used indoor only.



This product is conform to EnOcean radio protocol.

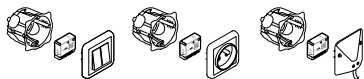
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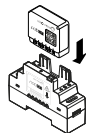
AFTER SALES

www.nodon.fr section "support"
support@nodon.fr
 For user guides in other languages, please visit www.nodon.fr/notices

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*.
 *Optional accessory

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)*
 Output 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

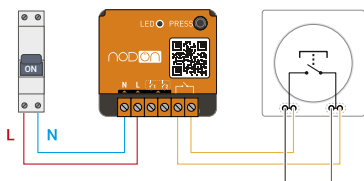


Figure 1

- Cut the power supply.
- Disassemble the push-button which controls the gate/garage door/electric latch.
- Wire the Multifunction Relay Switch, in parallel to the push-button following the diagram figure 1.
- Turn the power back ON.

Warning: Activate the control access mode (see the section) before pairing to avoid any damage of your equipment.

- Pair the Multifunction Relay Switch, see "Pairing procedure".
- 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).

INSTALLATION - ELECTRICAL OUTLET

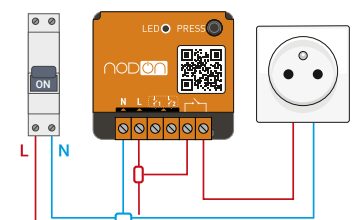


Figure 2

- Cut the power supply.
- Disassemble the electrical outlet.
- Wire the Multifunction Relay Switch, following the diagram figure 2.
- Turn the power back ON.
- Pair the Multifunction Relay Switch, see "Pairing procedure".
- Reassemble the electrical outlet

INSTALLATION - BOILER

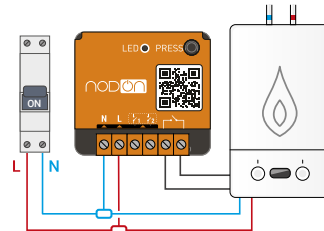
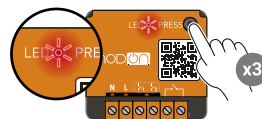


Figure 3

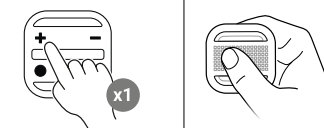
- Cut the power supply.
- Disassemble the cable outlet.
- Wire the Multifunction Relay Switch following the diagram figure 3, making sure to connect the two wires which controls the ambient thermostat (see your boiler user guide).
- Turn the power back ON.
- Follow the start-up procedure according to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

PAIRING PROCEDURE

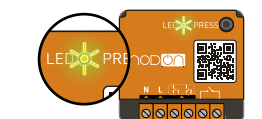
To add a remote or a wall switch or the Soft Button (EnOcean compatible) you must enter the pairing mode, your light must be switched OFF. **Relay switch must be power supplied.**



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



- 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.



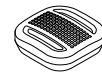
- The relay switch LED will blink green twice, confirming the pairing.

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:

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



PAIRING WITH A HOME AUTOMATION GATEWAY



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

UNPAIRING PROCEDURE

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

RESET PROCEDURE

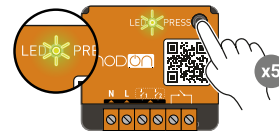
Relay switch must be power supplied.

- Press more than 5 seconds on your module's button. The LED blinks orange.
- 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.
- Your module has now its original settings.

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.



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

ACTIVATION OF REPEATER MODE

Relay switch must be power supplied.

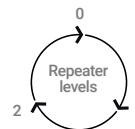
When the repeater mode is activated, the relay switch will repeat all the messages from EnOcean network, and so increase the range of equipment around it.

The repeater mode has 3 levels:

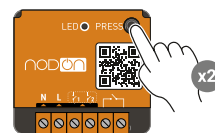
- Level 0: repeater mode is deactivated
- Level 1: the signal is repeated once
- Level 2: the signal is repeated twice

Warning: by default, the repeater mode is at level 0.

Incrementation of the three repeater levels:



Access to repeater's next level:



To pass from one level to another, do 2 brief presses. The relay switch LED blinks to confirm the activation of the next level or the deactivation of the repeater mode:

- Level 0 to 1: LED blinks twice green.
- Level 1 to 2: LED blinks three times green.
- Level 2 to 0: LED blinks once green.