



nodon SIN-4-FP-21 Zigbee Pilot Wire Heating Module User Guide

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nodon SIN-4-FP-21 Zigbee Pilot Wire Heating Module



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PRODUCT SUPPORT

Go directly to the product support page at nodon.fr/sin-4-fp-21

APPROVALS AND CERTIFICATIONS

CE 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: 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 to preserve the environment and health.



This product must be used indoor only.



The device is used 20 cm or more from the human body.



This product is conform to ZigBee radio protocol.

USER GUIDE 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.

DANGER OF ELECTROCUTION

BEFORE ANY INSTALLATION MAKE SURE THE POWER SUPPLY IS DISCONNECTED TO AVOID ANY RISK OF ELECTROCUTION.

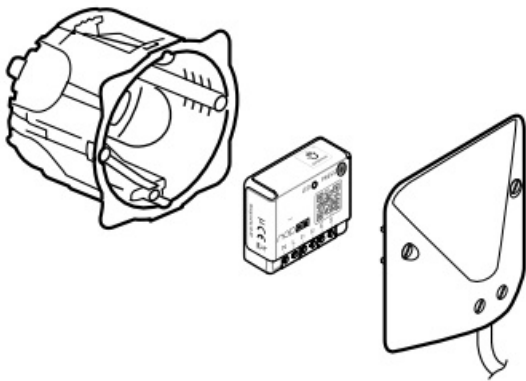
Directly cut the power supply from the breaker box to avoid any risk of electrocution. This relay switch is designed to be used power up, a wrong installation can create a fire or an electric shock. If you are not confident about electrical installation, please ask a professional.



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.

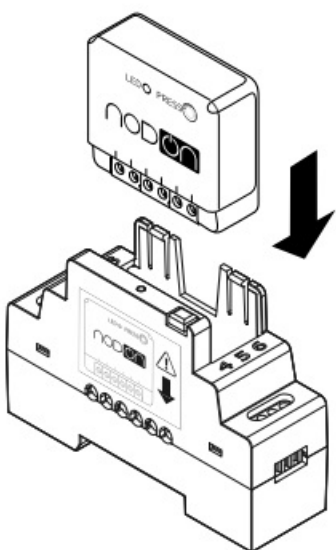
INSTALLATION

NodOn Zigbee Pilot Wire Heating Module allows to connect any type of pilot wire heater to a compatible Zigbee network. Thanks to its compact size, the Pilot Wire Heating Module can be installed behind the grommet of the pilot wire heater.



i TIP



Add the Zigbee Pilot Wire Heating Module to the electric panel with NodOn DIN Rail Box*. * Optional accessory.



RELAY SWITCH INPUT/OUTPUT



L Terminal for the Line

L  Terminal for the heater Line
FP Terminal for the Pilot Wire
N Terminal for the Neutral
N  Terminal for the heater Neutral

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

*Wired switch optional.

INSTALLATION DIAGRAM

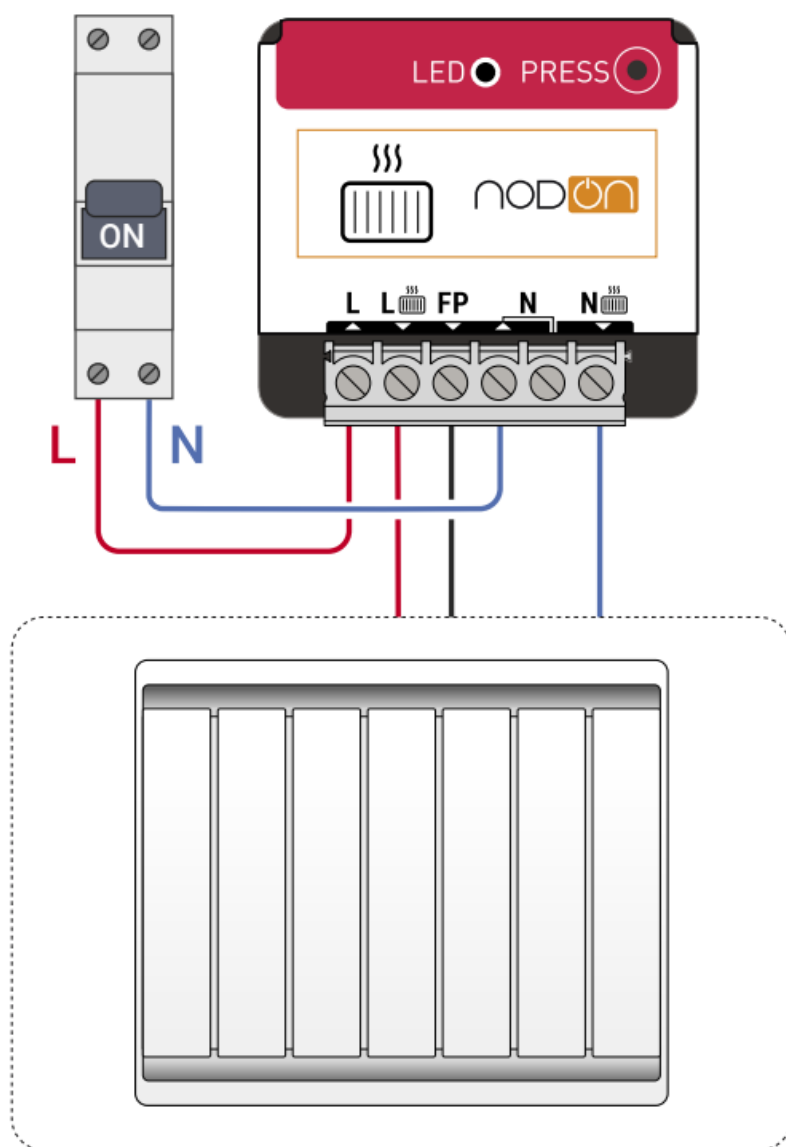



Figure 1

1. Cut the power supply.
2. Dismantle the grommet connecting your pilot wire heater.
3. Cable the module according to diagram figure 1.

 **Warning:** Make sure the pilot wire of your heater is well connected on the FP terminal before turning the power supply back ON.

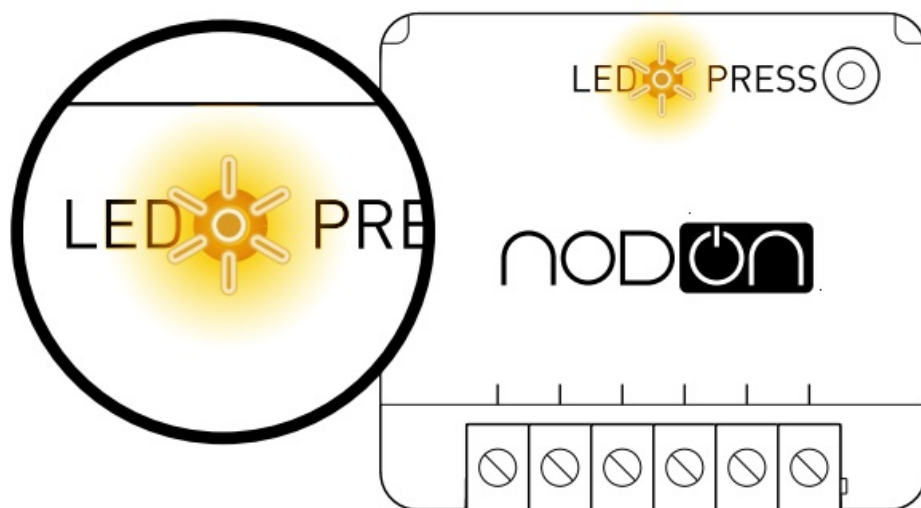
4. Reinstall the grommet.
5. Turn the power supply back ON.

INSTALLATION DIAGRAMS

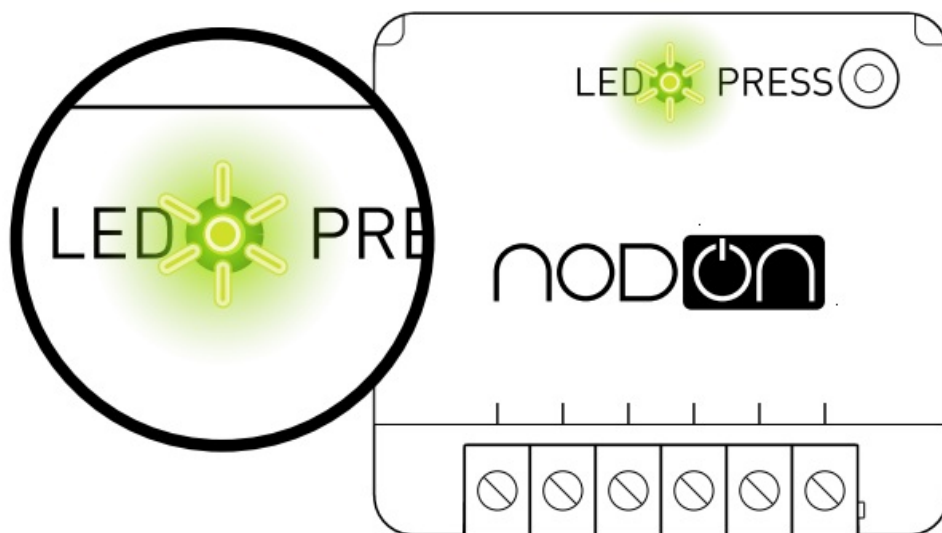
Find all the installation diagrams on the “support” section on nodon.fr/en

ADDING TO A ZIGBEE NETWORK

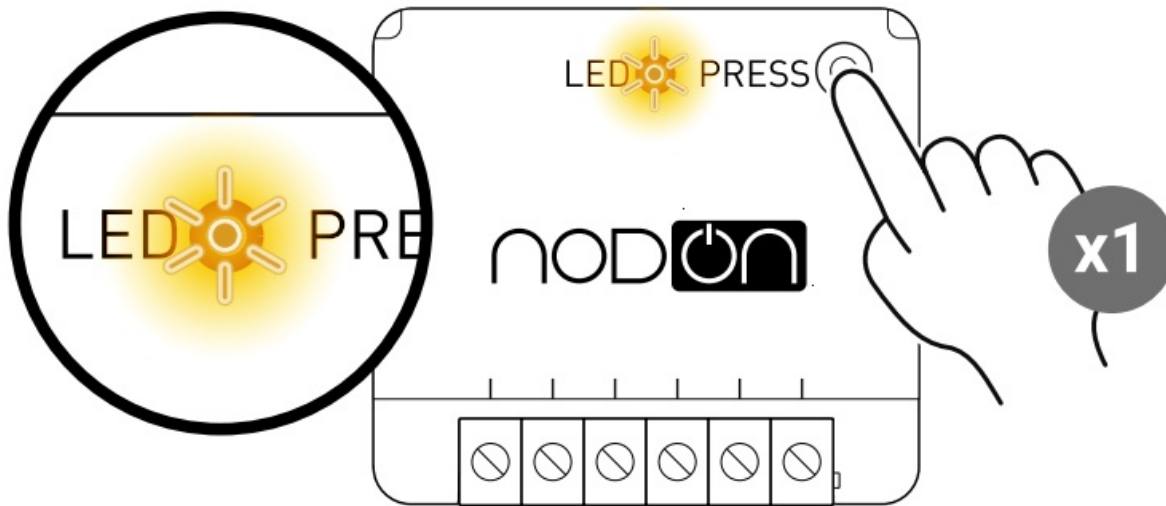
When power is turned ON, the relay switch Led will blink orange, looking to join a Zigbee network. Go to your Zigbee gateway app to activate the relay switch detection. See the compatible home automation gateways on www.nodon.fr/en/support



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

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.

Reference: SIN-4-FP-21

Power supply: 230V AC ~ 50Hz

Consumption: <1W

Heater maximum power: 3680 W

Metering of Instant power (W) and cumulated Energy (Wh) – compatible home automation gateway needed
(see the “Support” section on nodon.fr/en)

Pilot wire management: 6 modes

RF Protocol: Zigbee 3.0

Radio frequency range: 2.4Ghz

RF power max: +10dBm

Range: up to 40m indoor

Operational temperature:

The SIN withstands ambient temperatures :

- Between -20 and 40° in the open air.
- Between -20 and 35°C in a flush-mounted box.
- Between -20 and 40°C in the NodOn DRB (Din Rail Box).
- Between -20 and 40°C in the NodOn BPS (Surface-Mounted Box).

Protection rating: IP 20

Dimensions: 40 mm (l) x 44 mm (L) x 16.9 mm (h)

Weight: 34 g

Warranty: 2 years

CUSTOMERS SUPPORT

CONTACT


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45590 St CYR EN VAL (FRANCE)

AFTER-SALES SERVICE







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



Documents / Resources

	nodon SIN-4-FP-21 Zigbee Pilot Wire Heating Module [pdf] User Guide SIN-4-FP-21 Zigbee Pilot Wire Heating Module, SIN-4-FP-21, Zigbee Pilot Wire Heating Module, Pilot Wire Heating Module, Wire Heating Module, Heating Module
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References

-  [Fabricant domotique OBL - OEM - ODM pour la Maison Connectée](#)
-  [Smart Home & Building - OEM ODM OBL solutions for IoT products](#)
-  [Supports Archive - NodOn](#)
-  [Supports Archive - NodOn](#)
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