128, av. du Maréchal-de-Lattre-de-Tassigny - 87045 LIMOGES Cedex
Tél. : 33(0)5 55 06 87 87 - Fax : 33(0)5 55 06 88 88
www.legrand.com

Control module with Netatmo (gateway)

Cat.Nos: 4 121 81B
Included in the packs: 4 121 91B-4 121 92B
4 121 93B-1 991 56B-0 904 87B

Home + Control LEGRAND

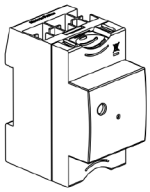
Home + Pro LEGRAND

CONTENT **Page**

1. DESCRIPTION

Use:
In a Home + Control installation, the Gateway module allows to create a wireless network of connected devices and operate as a Gateway module with the IP network through the Wifi.

Beforehand, to create a connected installation, install:
A Gateway Module



Connected devices (see chapter 7 Auxiliaries and accessories)

The Gateway module can be used:
- With Legrand the smartphone application “Home + Control”

Home + Control LEGRAND

Available for free on: DISPONIBLE SUR Google Play / Télécharger dans l'App Store

- Voice assistants (compatible with the main voice assistants of the market

JUST SAY THE WORD

Technology:
Modular Wi-Fi <=> RF gateway between the IP internet network and the network of connected products “... with Netatmo”.
To be installed in the electrical panel board.

Connected system:
Maximum radio devices connected to a gateway module: 100

Recommendations:
For the device protection against short circuits, it is recommended to use a circuit breaker or fuse gG rated current ≤ 16 A

2. TECHNICAL CHARACTERISTICS

2.1 Electrical characteristics

Power consumption:
2W Maxi

Rated voltage:
100 to 240 V~

Rated frequency:
50 Hz/60 Hz

Resistance to electromagnetic disturbances (EMC):
Compliant EN 301 489-1:
Immunity to electrical transient bursts.
Immunity to shock waves (2 KV)

Influence of altitude:
No influence up to 2 000 m

Rated voltage of use (Ue):
Ue = 100 to 240 V~

Assigned frequency:
50 Hz/60 Hz

Characteristics of the radio interface:
Standard IEEE 802.11
Standard IEEE 802.15.4
Frequencies 2.4 à 2.4835Ghz
Transmitter output power < 100 mW
Distance max between 2 radio devices: 50 m in open field

2.2 Mechanical characteristics

Degee of protection:
Terminal protection against contact: IP2x (wired device) (IEC/EN 60529)
Front panel protection against contact: IP3XD (IEC/EN 60529)
Class II, front panel with faceplate.
Protection degree: IK04

2.3 Material characteristics

Plastic materials:
Self-extinguishing polycarbonate.
UL 94 classification: V1

2.4 Climatic characteristics

Ambient operating temperature:
Min. = - 5 °C/Max. = + 45 °C

Ambient storage temperature:
Min. = - 40 °C/Max. = + 70 °C

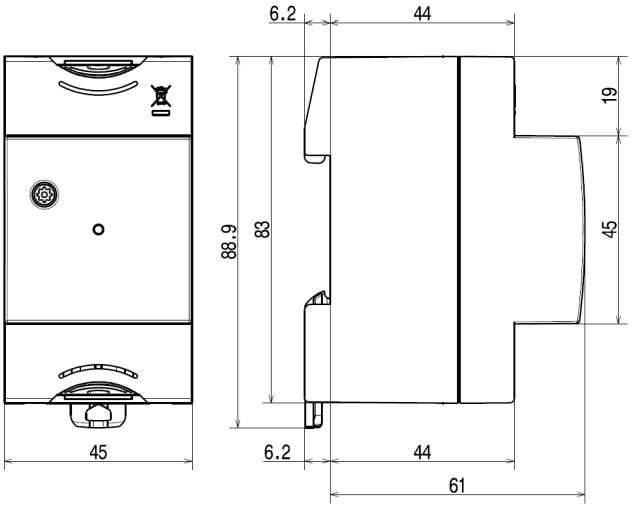
3. DIMENSIONS AND WEIGHT

Width:
2.5 modules-45 mm wide

Average weight:
Weight = 86 g

Packaged volume:
0.62 dm³

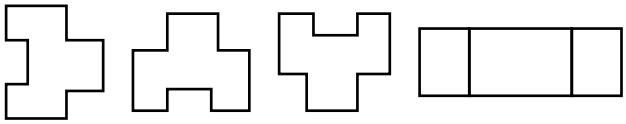
Dimensions:



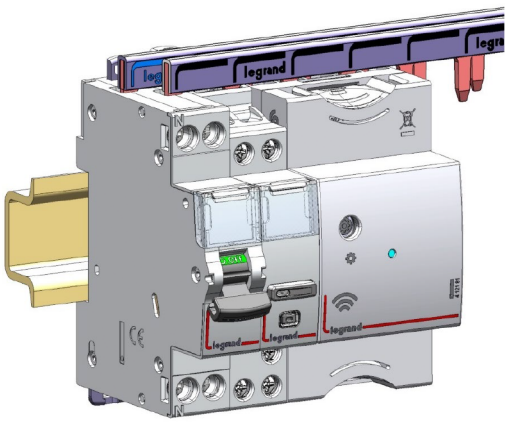
4. POSITIONING

On EN/IEC 60715 or DIN 35 symmetrical rail.

Mounting position:
The Gateway module With Netatmo can be mounted in the following positions:
Vertical, Horizontal, Flat.



Row positioning:
The product shape and the positioning of the terminals allow the passage of single-line, three-lines and plug-in supply busbars in the upper part of the product. Then, it is possible to freely choose the position of the Gateway module in the row and to connect by supply busbar the other devices put on the same DIN rail.



5. CONNECTION

■ 5.1 Power supply wiring

Connection to control and power screw terminals:
- Terminal type: cage terminal
- Depth: 9 mm
- Stripping length recommended: 9 mm
- Screw head: slotted 3.5 mm
- Type of screw: M 3.5
- Tightening torque: 0.5 Nm
- Conductor type: copper cables

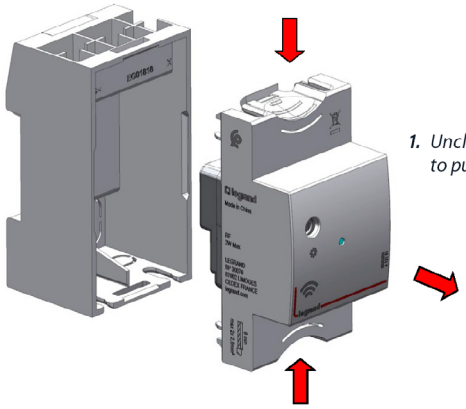
Here are the cross-sections accepted by the terminal for copper cables:

	Without ferrules	With ferrules
Rigid cable	1 x (1 to 2.5 mm²) 2 x (1 to 2.5 mm²)	-
Flexible cable	1 x (1 to 2.5 mm²) 2 x (1 to 2.5 mm²)	1 x (1 to 2.5 mm²)

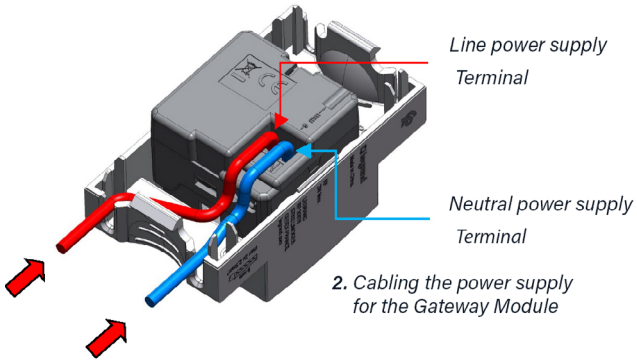
Recommended tools:
For wiring terminals: screwdriver with 3.5 mm blade.
For hanging: blade screwdriver (5.5 mm maxi).

■ 5.2 Wiring diagram

Wiring of the power supply



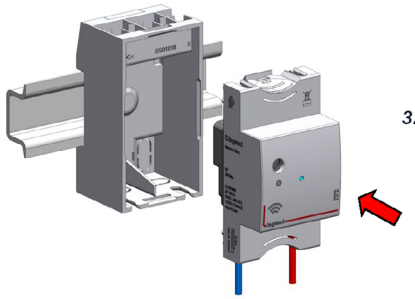
1. Unclip the cover to pull it



2. Cabling the power supply for the Gateway Module

5. CONNECTION *(continued)*

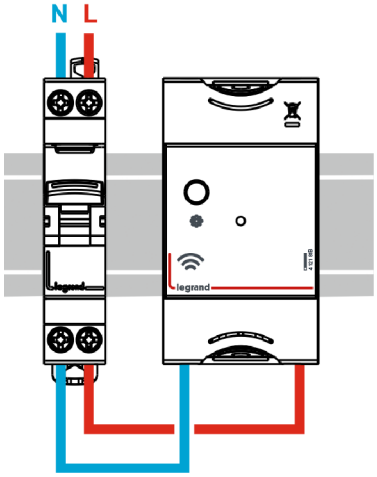
5.2 Wiring diagram *(continued)*



3. Clip the cover on the base

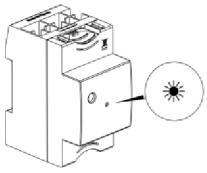
Cable the Gateway module after a circuit breaker.

If conditions allow it, the existing electrical protections in the electrical panel can be reused for this purpose.



6. CONFIGURATION

Visualization of the operating mode of the device:
Via LED on the front face of the product:



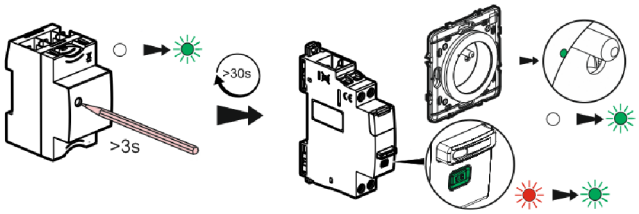
Colors	Status	Meaning
○	OFF	Normal operating mode
White	Fixed	Transient state Beginning phase
Green	Fixed	Transient state Open Network to pair connected devices
Red	Fixed	Transient state Initialization phase of the configuration (factory reset)

Configuring the Gateway Module in an electrical box:
Beforehand, the general circuit breaker must be turned OFF, and only after wiring step done, can be powered back ON to simultaneously power devices and allow them to be connected to the network.

Turn off the power at general circuit breaker

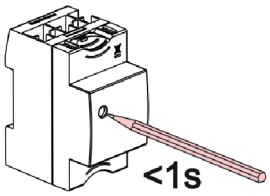
Turn the power at the general circuit breaker once the installation completed and controlled

Press and hold the Gateway module settings button for more than 3 seconds until the LED turns green, then release the button.



The configuration LEDs of the « ... with Netatmo » devices in the installation must all light up in fixed green.

To complete the installation, briefly press the setting button on the Gateway module to finalize the installation. The configuration lights turn off.



- If there is no Internet connection in the installation:

Configure with "Home + Pro"

Home + Pro LEGRAND

- If an Internet connection (via Wi-Fi box) is already present in the installation:

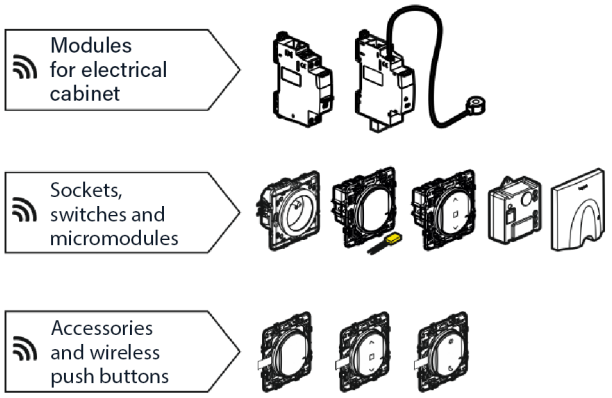
Configure with "Home + Control"

Home + Control LEGRAND

Gateway module resetting:
Press and hold over 5 seconds on the setting button until the LED on the front face is fixed red.

Other configurations & actions:
All other features and settings such as; scenarios etc. are directly explained step by step in the smartphone application.

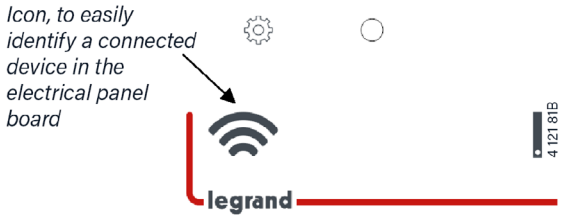
7. ACCESSORIES (NON-EXHAUSTIVE LIST OF PRODUCTS)



8. MARKING

Marking of the Gateway module:

Markings of the front side:



QR sticker on the front SIDE "DOWNLOAD SMARTHOME APP".

Lateral marking:
Marking in accordance with national approvals.

Made in China

RF
2W Max

LEGRAND
BP 30076
87002 LIMOGES
CEDEX FRANCE
legrand.com

9. STANDARDS AND REGULATIONS

Compliance to standards:
EN 301 489-1

Environment respect – Compliance with European Union Directives:
Compliance with the 2011/65/EU Directive (RoHS), as modified by the 2015/863/EU Delegated Directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment..
Compliance with the Directive 91/338/EEC of 18/06/91.

REACH: The substances identified as SVHC (Substances of Very High Concern) according to the REACH Regulation (1907/2006), if present in the products at a concentration above 0.1% weight by weight, are declared inside the European SCIP database. At the date of publication of this document none of the substance listed in the annex XIV is found in this product.

WEEE: WEEE Directive (2012/19/EU): the sale of this product includes a contribution to the appointed environmental bodies of each European country in charge of handling, at the end of their life, the products falling within the scope of the EU Directive on Electrical and Electronic Equipment Waste.

Plastic materials:
Halogen-free plastics.
Marking of parts according to ISO 11469 and ISO 1043.
ISO 7000: 2004, Graphical symbols to be used on equipment - Index and synopsis.

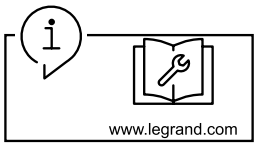
Packaging: Design and manufacture of packaging compliant with European Directive 94/62/CE.

10. OTHER INFORMATION

XLPro Calcul: Calculation notes creation software, addressed to installers, design office and maintenance operators. Definition of the electrical characteristics of a low voltage installation in compliance with the applicable standards.

XLPro³ Tool Selectivity and backup/Legrand Selectivity and backup: Software dedicated to installers, panelbuilders and design offices. Definition of the selectivity and backup values of an association of electrical devices and obtention of the tripping curves of the selected products.

XLPro Panels: Distribution panel design software, addressed to panelbuilders and electrical panel designers. Design of the electrical distribution of the panel, production of electrical diagrams, establishment of products and overall costing of the project.



Notice: Detailed assembly information available in the online catalog.

For further technical information, please contact Legrand technical support.
Unless otherwise stated, the data reported in this document refers exclusively to test conditions according to product standards.
For different product usage conditions, whether within electrical equipment or in any other installation context, refer to the equipment's regulatory requirements, local regulations, and system design specifications.