

GATEWAY Wi-Fi V2

Remote Control Application
Code3.035537



Immergas S.p.A.
42041 Brescello (RE) - Italy
Tel. 0522.689011 immergas.com

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The manufacturer Immergas S.p.A., hereby declares that the "Gateway Wi-Fi V2" radio appliance complies with directive 2014/53/EU.

For further details on the product CE marking, request a copy of the Declaration of Conformity from the manufacturer, specifying the appliance model and the language of the country.

FOREWORD.

"Gateway Wi-Fi V2" has been designed to remotely control and regulate the specific generator operating values via dedicated App (Paragr. 1.5).

After the installation and configuration, the application is ready for use thanks to the simplicity of use that distinguishes it. Depending on their needs, the customer can change or view the settings for the controlled system or generator.

GENERAL WARNINGS.

This manual was intended for: **the Installer.**

For warnings, carefully read the relevant instruction sheet supplied as standard.

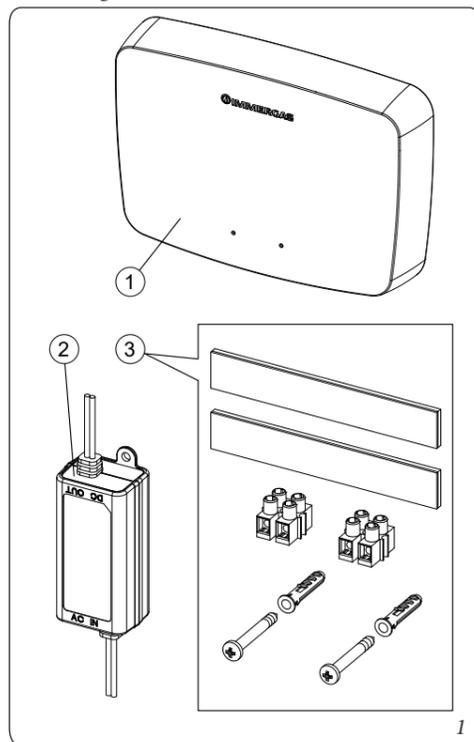
Immergas reserves the right to make improvements and changes to details and accessories, excepting the essential features of the model described and illustrated herein.

CLEANING THE COVER.

Use only a dry cloth to clean the cover of the Gateway Wi-Fi V2. Never use abrasive or powder detergents.

1 INSTALLATION.

1.1 Package contents.



Ref	Description
1	Gateway Wi-Fi V2
2	Power supply 5 Vdc Gateway Wi-Fi V2
3	Kit of 2 expansion plugs with screws for wall fixing, 2 magnets, 2 terminals for any electrical connection of the power supply
4	Installation instructions and general warnings sheet

1.2 Installing the Wi-Fi Gateway V2

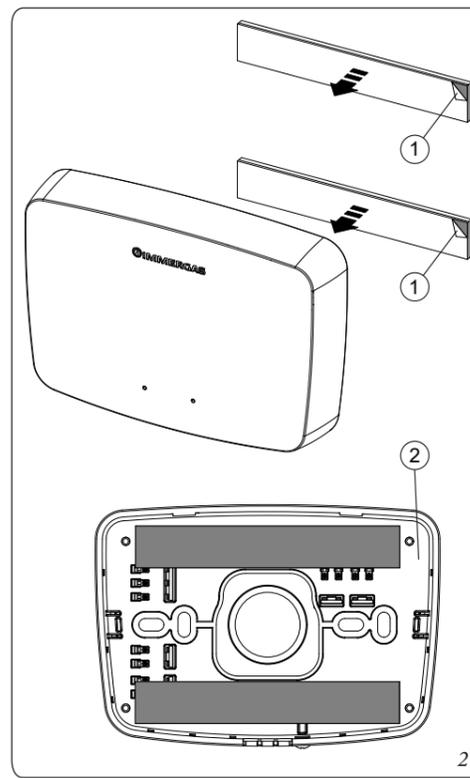
N.B.: make sure that the installation area Gateway Wi-Fi V2 properly receives the signal of the home Wi-Fi network.

The Wi-Fi Gateway V2 can be installed in several ways and allows for various solutions for the passage of electrical cables.

1 Remove the fixing screw (Fig. 3, Ref. 1) and separate the Gateway body (Fig. 3, Ref. 2) from the wall fixing base (Fig. 3, Ref. 4).

2 Installation method

- Wall installation: use the plugs (Fig. 3, Ref.5) and the screws (Fig. 3, Ref. 3) supplied to fix the base (Fig. 3, Ref. 4).
- Installation on electrical box (type 503 or 502): use the screws supplied with the electrical box to fix the base (Fig. 3, Ref. 4) directly to the box (Fig. 3, Ref. 6).
- Installation on metal surfaces using magnets: apply the two adhesive magnets (supplied) (Fig. 2, Ref. 1) on the rear of the wall mounting base (Fig. 2, Ref. 2). Press firmly to activate the adhesive. Place the base on a metal surface (for example, the side of the generator casing). Note: In this configuration, only the connection of electrical cables from below "outside the wall" is possible.



3 Proceed to connect the electrical cables:

The electrical connections of the Wi-Fi Gateway V2 device, including 230 Vac - 5 Vdc power supply, they must be carried out according to the connection diagram indicated in Paragraph 2.3. The power supply (Fig. 1, Ref. 2) and its connection to the electrical network must be positioned in an inaccessible place (for example: 503 type electrical box or inside the electrical connection compartment of the generator control panel, if space allows.) and connected using the appropriate terminals if necessary. Alternatively, you can use the USB-C connector for power (for example, by connecting it to a commercial power supply such as a cell phone charger or a PC).

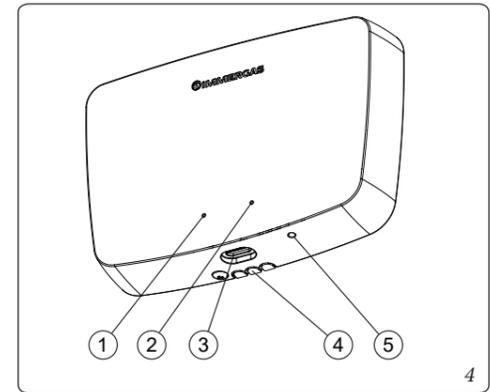
Cables can be connected in the following ways:

- Cables from wall pipe or electrical box: pass the cables through the opening (Fig. 3, Ref. "A") present on the wall fixing base and connect them to the terminals.
- Cables from below "outside the wall": remove the pre-cut sections (Fig. 4, Ref. 4) on the Gateway body and possibly on the wall mounting base, depending on the number and size of the cables to be connected. Connect the cables to the terminals, guiding them into the appropriate tear-proof housings (Fig. 3-1).
Note: make sure there is no excess cable that could bundle up and hinder the correct assembly of the Gateway body.

4 Assemble the Gateway body (Fig. 3, Ref. 2) by placing it on the wall fixing base (Fig. 3, Ref. 4) and pushing it all the way. Press firmly on the top until you hear a "click". Lock the body with the fixing screw (Fig. 3, Ref. 1).

1.3 Downloading operations and installation application on mobile devices (smartphone/tablet).

Using the mobile device on which to install the application, connect to the App store of reference: App Store (Apple) or Play Store (Android) and type "IMMER comfort" in the search field. Otherwise, use the QR-code at the end of this installation sheet (Fig. 7 for Android App or Fig. 8 for iOS App). Select the free "IMMER comfort" application and wait for its download and installation on the mobile device used. The app works with IOS 15 operating system or Android 11 (or higher).



1.4 System configuration.

NB: depending on the type of generator to which the Gateway Wi-Fi V2 is connected, it is necessary to set the generator parameters as indicated in table 2.2.

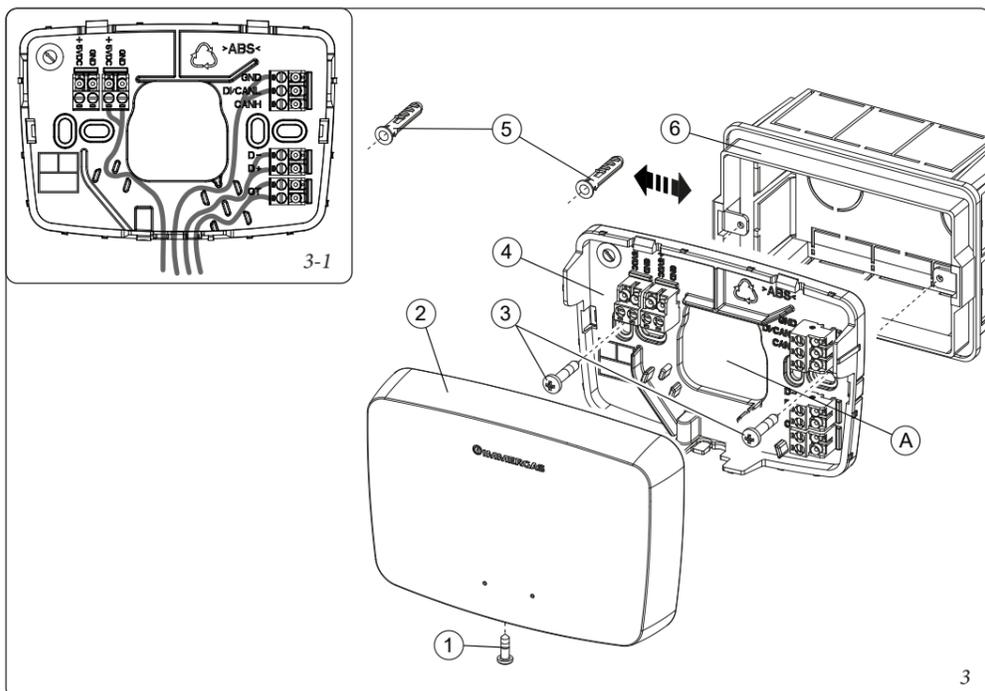
Power on the Gateway Wi-Fi V2 and wait about 30 seconds for communication with the generator to stabilise.

Open the "IMMER comfort" App and follow the wizard to register the system, pair the devices and configure the management system.

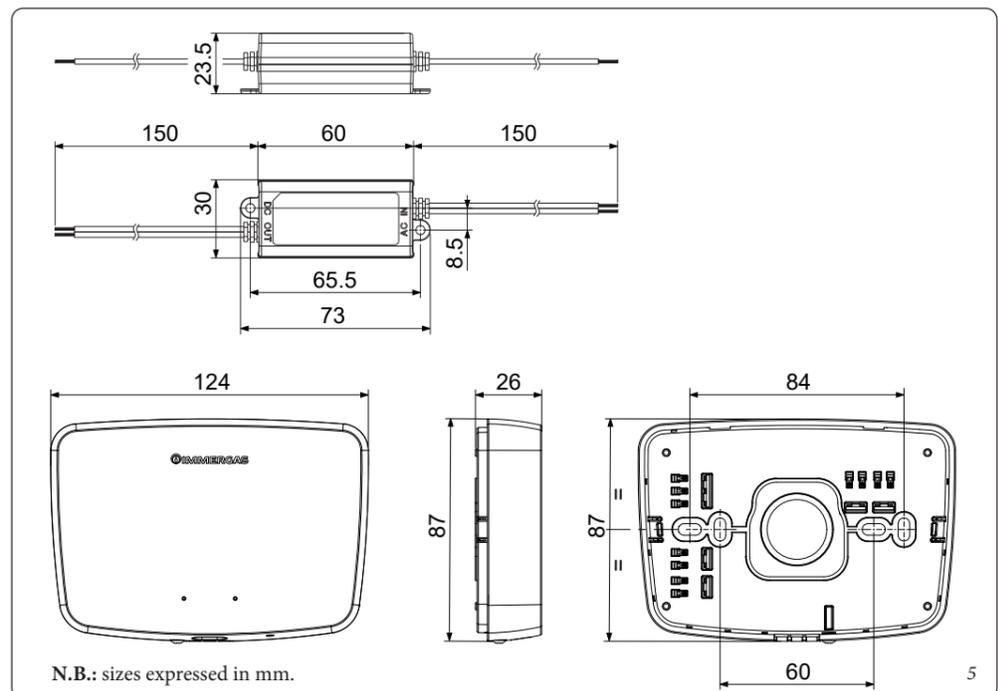
NB: if it becomes necessary to repeat the configuration procedure, you can restore the Gateway Wi-Fi V2 to its factory settings as described below:

- press the button (Fig. 4, Ref. 5) 5 times and wait until both leds (Fig. 4, Ref. 1 and 2) start flashing yellow;
- within 10 seconds, press and hold the button (Fig. 4, Ref. 5) until both leds (Fig. 4, Ref. 1 and 2) start flashing red;
- when the button is released, the Gateway Wi-Fi V2 will resume operating with no configuration: left and right green leds flashing slowly (Fig. 4, Ref. 1 and 2).

The app manual can also be downloaded from the website www.immergas.com.



1.6 Main dimensions of Gateway Wi-Fi V2 and 5 Vdc power supply.



N.B.: sizes expressed in mm.

2 TECHNICAL FEATURES.

- Max absorbed power8W
- Gateway Wi-Fi V2 power supply:..... 5 Vdc
- Functioning room temperature:..... 0 - +40°C
- Warehouse temperature:-10 - +50°C
- Wi-Fi protocol: Wi-Fi 802.11 b/g/n 2.4 GHz
- RF (Radio Frequency) protocol:868 MHz
- Bluetooth protocol 5 (LE)
- Insulation classIII
- Class of protection: IP20

2.1 Description of the leds/Buttons on Gateway Wi-Fi V2.

Connectivity led (Fig. 4, Ref. 1)	Description
Green slow flashing	Device not configured, no device connected
No leds on	Device not configured for internet connection (system status is indicated by the right led)
Red with intermittent flashing	Not connected to local Wi-Fi network
Red with fast continuous flashing	Connected to local Wi-Fi, acquired IP address, not connected to cloud
Green steady	Connected to local Wi-Fi, and connected to the cloud
Blue slow flashing	Device paired, Bluetooth on, but no device connected
Blue steady	Device paired, Bluetooth on, connected

Fieldbus led (Fig. 4, Ref. 2)	Description
Green slow flashing	Device not configured, no device connected
Green steady	System working
Red 2 flashes	Modbus error
Red with fast flashing	Gateway error
Blue slow flashing	Device paired, Bluetooth on, but no device connected
Blue steady	Device paired, Bluetooth on, connected
Blue fast flashing	Button press

NB: By default, after a certain period of time the leds turn off.

2.2 Description of button functions (Fig. 4, Ref. 5) Gateway Wi-Fi V2.

Action	Connectivity led (Fig. 4, Ref. 1)	Fieldbus led (Fig. 4, Ref. 2)	Effect
Short press < 1 s			The leds turn on for 10 s
Pressed > 3s	Blue steady	Blue fast flashing	Enters "pairing phase" when the button is released
Pressed > 5s	Rosso 3 flashes	Rosso 3 flashes	Device restart when button is released
1. Press 5 times	Giallo flashing	Giallo flashing	Restore to factory settings
2. Hold pressed > 3s	Rosso flashing	Rosso flashing	

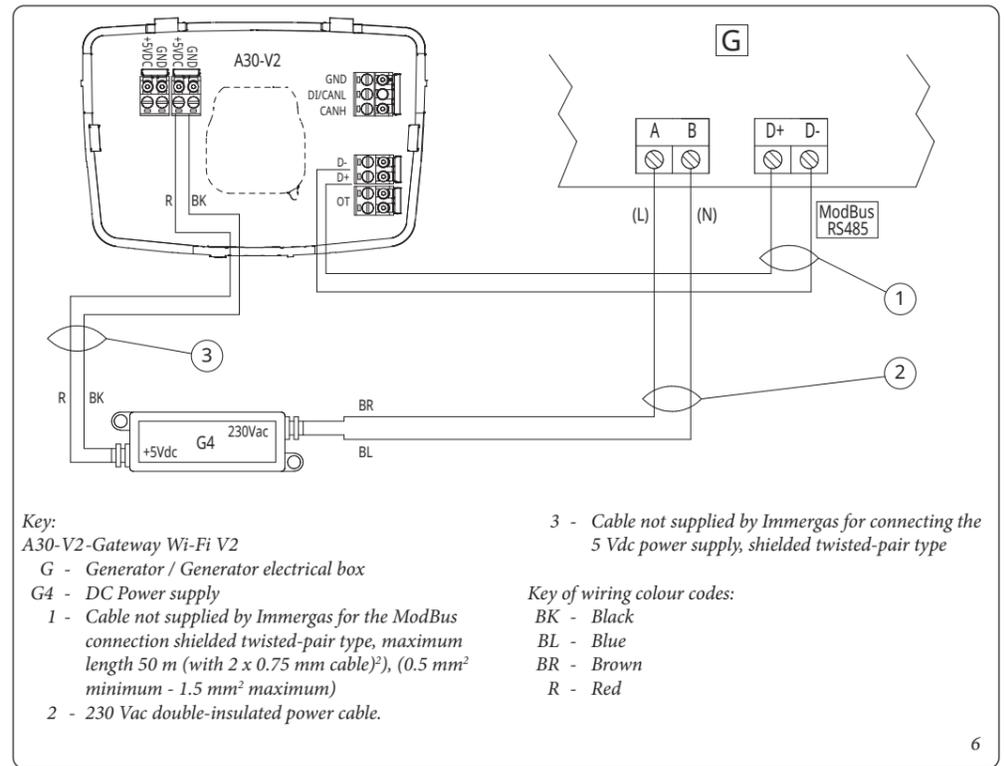
2.3 Description of pairings between the Gateway Wi-Fi V2 and the respective generator.

Generator	Connection diagram	Generator configuration parameters
Magis M Top	ModBus connection diagram (Fig 6)	A013 = <MSG_ON>

N.B.: for more details on the column 'Generator configuration parameters' refer to the generator booklet.

3 WIRING DIAGRAMS.

3.1 Practical wiring diagram of power supply and ModBus connections.



NB: as an alternative to the terminals "A" and "B" the power supply (G4) can be connected directly to the mains 230 Vac / 50 Hz



immergas.com



Immergas S.p.A.
42041 Brescello (RE) - Italy
Tel. 0522.689011
Fax 0522.680617

QR Code Android



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QR Code iOS



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