

Installation guide

Step 1:

- 1.1 Every **PS Gate** set includes:
1 pcs central control block;
1 pcs user manual for installation

Unpack the device and take the two main elements out of the box (**Scheme 1**).



Scheme 1

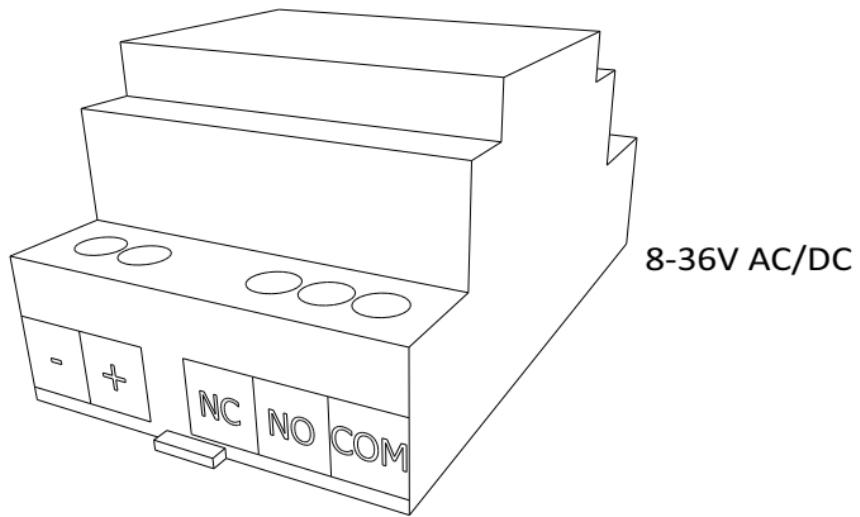
Connect **PS Gate** to a chosen electric device or appliance.

Attention! Switch off the power supply before installing **PS Gate**.

We highly recommend the installation to be performed by a qualified technician. If you do not possess the needed knowledge and qualification, please do turn to an authorized retailer!

Attention! Do not modify or influence the built in protection of the electric device in any way!

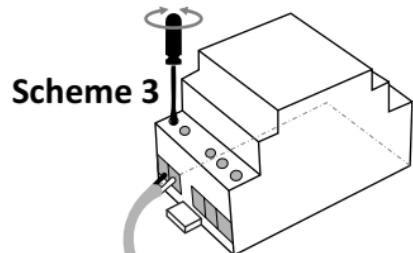
Connect the two connection points of the device you wish to control to the outputs **NO** and **COM**, that is to the relays' normally open outputs. The device's installation is outlined in **Scheme 2**. The device must be installed and connected by a qualified professional.



Scheme 2

1.2 Central control block's installation

Connect the power supply cable to the **PS Gate**'s main control block. After that, connect it to the power supply **(Scheme 3)**.



1.3 Installation possibilities

PS Gate is a product, constructed for installation in limited access zones and must be installed to the switchboard using a Eurorim **(Scheme 4)**.



1.4 A few requirements must always be considered and followed during installation:

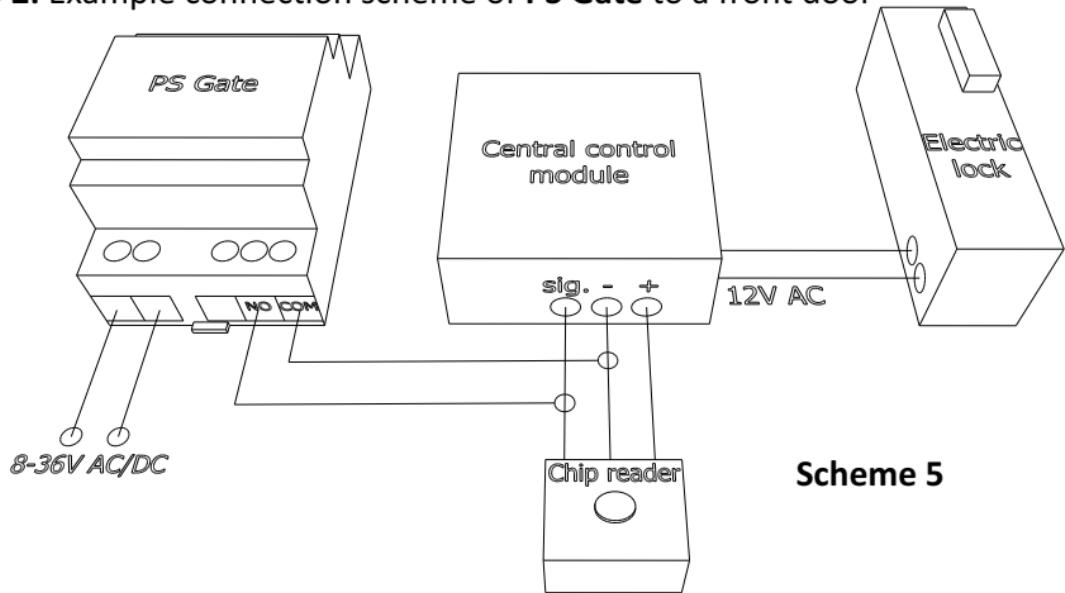
- The device's installation and connection must be accomplished according to the national legislation for electrical installations.
- All activities on the device's installation, uninstallation, service and repair are to be made only after it had been securely removed from

the power supply (the controller itself, as well as the chain it controls through the relayed exit).

- The device is to be installed only in places with limited access with the assistance of an instrument or key and are accessible only to the service personnel or a user who has passed the initial training.
- The wiring must be completed using double insulated wires.
- Disengagement tool must be provided for the electric installation during the device's installation and the needed safety is to be ensured for the service provided.
- All connections to the relay's outputs in the device must be conducted with conductors with an insulation resistance not lower than that of the insulated conductors of PVC T 105°C.
- The device's installation is conducted by the manufacturer's instructions and following the HD 60364-4-41 requirements, as well as the national legislation.
- Installation of the controller in a way that the terminals are positioned less than 5mm from the metal parts and the device's surface, is strictly forbidden.

- The device is installed only in a shell allowing the needed level of protection of the end product. Its installation on accessible surfaces and covers, allowing the easy access without the use of any instrument, is strictly forbidden.
- The device's installation must be accomplished in such a way as to deem it impossible to accidentally activate the reset button.

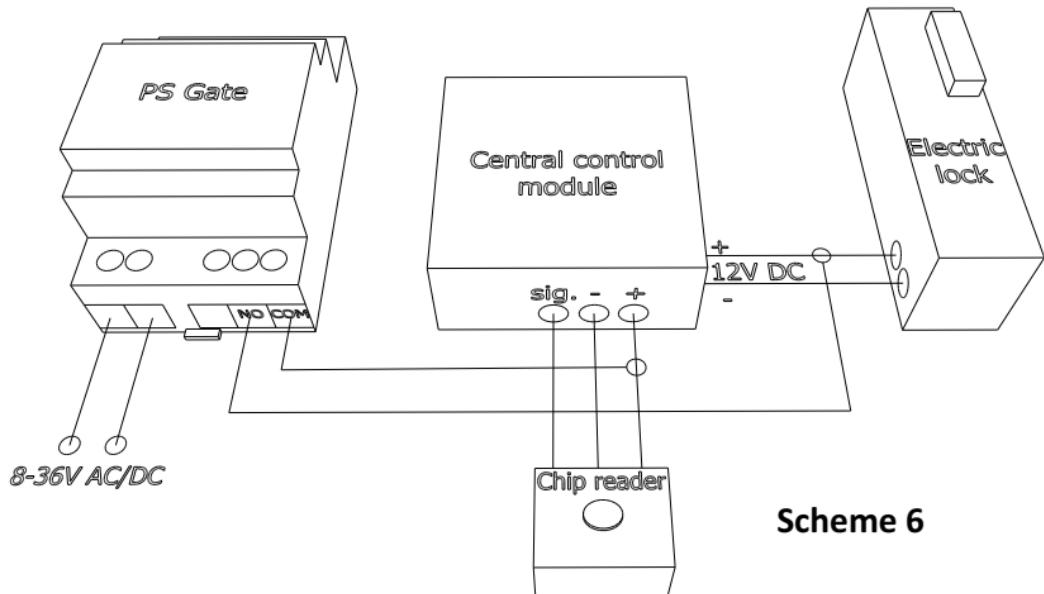
Step 2: Example connection scheme of PS Gate to a front door



Scheme 5

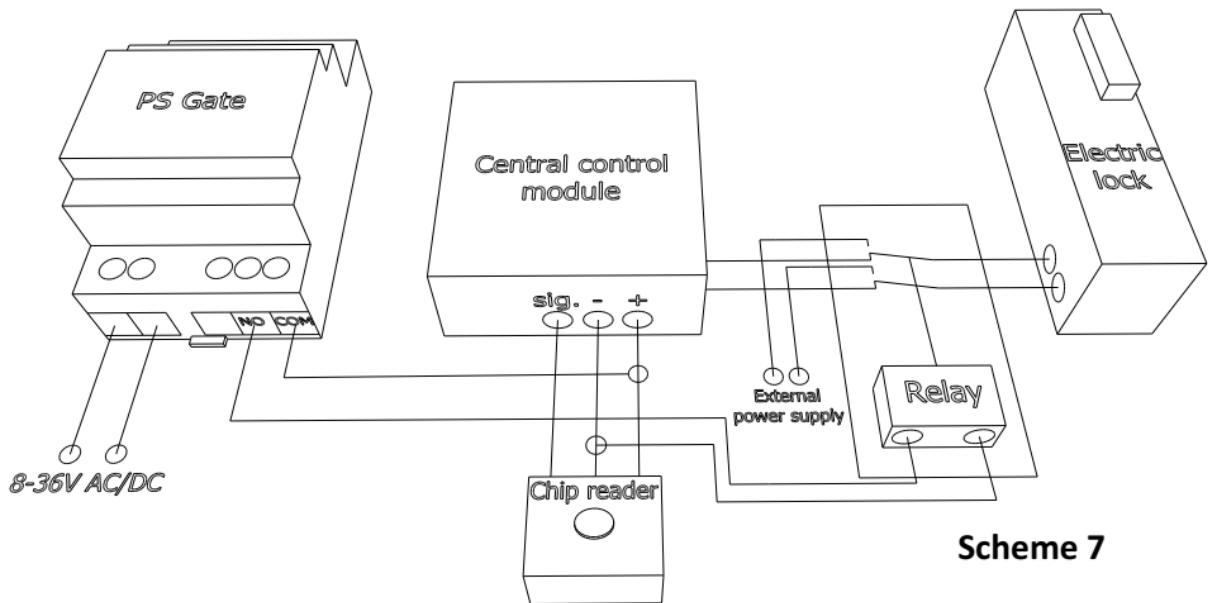
2.1 **PS Gate** is parallelly connected to the chip reader (**Scheme 5**). A signal is sent to the central control module's 'sig' entrance through the **PS Gate** relay's **NO** contact. Depending on central control module's model and work mode, a '+' or '-' are connected to the **COM** entrance of the BGate's relay.

Note: On the example scheme connected is the '-'.



Scheme 6

2.2 **PS Gate** is parallelly connected to the central control module (**Scheme 6**) and sends direct charge through the **NO** contact to the lock + 12V DC. This type of connection is allowed if the electric lock uses a direct current and its supply voltage is the same as the central control module one. Supply voltage could be sent to the central control module's exit. **PS Gate** could be used for control of central control modules with relayed exit.



Scheme 7

2.3 PS Gate controls external relay through an **NO** contact (**Scheme 7**) which is powered by the central control module's power supply.

With this external relay, the electric lock could be triggered by an external power source and not influence the work (exits) of the central control module.

Step 3: Initial setting up and connection to a chosen Wi-Fi network

In order for the device to work properly, it must be connected to an Internet network. After the installation is finished, provide a supply voltage to the device and **PS Gate**. Wait 10 seconds, press and hold the button for three seconds and follow the device's light indication.

Attention! In **Access Point** and **ProSmartConfig** upon pressing the button for three seconds, the device would be nullified with default settings!

3.1 **ProSmartConfig** mode

The central block's blue light emitting diode starts blinking very rapidly for a quick period of time. That indicates the device is in **ProSmartConfig** mode. Please connect your mobile device to the Wi-Fi network where **PS Gate** will be operating in. Open the **proSmart** mobile app on your smartphone or tablet. If you still do not have the mobile app installed, you can download it from **Google Play store**, **Apple store** or **Windows Phone Store**.



Log in to your profile with your email and password. If this is your first **PS Gate** device purchased and you have not registered yet, you can do that in **proSmart's** webpage: <https://prosmartsystem.com/en>

Press the '**Add**' button  for adding a new device, located in the upper hand side of the screen.

Press the button '**PROSMART CONFIG**' (**Scheme 8**), type in the password of your selected Wi-Fi network and click on '**SEARCH**' (**Scheme 9**).



Add device

Serial number *

SEARCH



SSID

My Wi-Fi 2.4Ghz

Password

SEARCH

Scheme 8

Take a look at the blue light emitting diode and when its light goes off, and then stays on permanently, **PS Gate** is all set up for work.

Look at the mobile device's screen. The app is now ready to control **PS Gate**. If you have used **ProSmart Config** mode, please proceed to Step 4.

Scheme 9

3.2 AP (Access Point) mode

If you do not wish to use this mode, press twice the button quickly and the device will be transferred to standard connection mode **AP**.

The blue light emitting diode's blinking in a second's interval, signifying that the device's Wi-Fi module is in **AP** mode and you can connect to it through your PC or mobile device.

3.2.1 Initiate a wireless network search from your smartphone or laptop and connect to the **PS Gate's** AP (the wireless network). Every device creates a network with its own name, starting with BGate_xxx and a combination of letters and numbers. For example BGate_254 and it does not require a password for access.

WiFi Settings

To connect to a WiFi network, please select one of the detected networks...

Scanning...

WiFi password:

Mode:

IP address:

IP mask:

GW address:

Scheme 10

3.2.2 After connecting, your browser will automatically open a new page giving you the chance to choose the wireless network, to which you want to connect the device (**Scheme 10**).

If your browser does not open automatically, please open it manually for the automatic opening of the browser is a manual setting and thus it could be turned off.

3.2.3 If your smartphone, tablet or laptop did not automatically load the settings page, as shown in **Scheme 11**, it could be accomplished manually. Open your browser and write the following address: **192.168.10.1**

WiFi Settings

To connect to a WiFi network, please select one of the detected networks..

  My home network

WiFi password:

Mode: **DHCP** ▾

IP address: **192.168.1.10**

IP mask: **255.255.255.0**

GW address: **192.168.1.1**

Back **Connect!**



Scheme 11

3.2.4 Choose the desired **Wi-Fi network**, type in your password and click on the '**Connect**' button - **Scheme 11**

3.2.5. In up to 20 seconds **PS Gate** will switch to a working mode and the light indicator will be on all the time, blinking shortly per every second.

Congratulations! You connected your device successfully and can now add your profile in <https://prosmartsystem.com/en> so you can control and monitor its

3.3 Working mode – When the blue light emitting diode is always on and goes off between two seconds, it indicates that **PS Gate**'s central block is in working mode. Upon holding the button for three seconds, **PS Gate** will transfer to Settings mode in **ProSmartConfig** mode.

Step 4: User profile creation:

4.1 Once connected to the Internet, **PS Gate** becomes invisible to the other devices in the network. The only way to connect with **PS Gate** is via the user profile, associated with the particular device. If you do not have one, you can load the **proSmart**'s page: <https://prosmartsystem.com/en> or download and install the **proSmart** app in your smartphone or tablet:

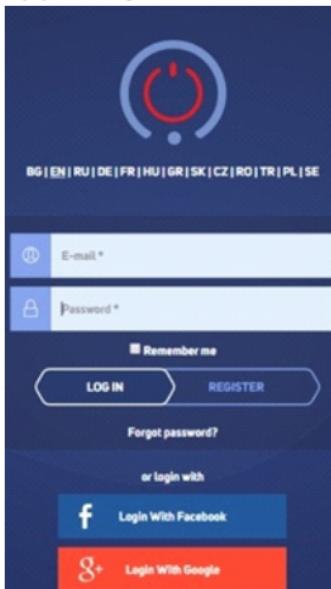


4.2 If you choose to use a browser, open

<https://prosmartsystem.com/en> in your PC desktop or mobile device and press the '**Log in**' button in the upper right corner (**Scheme 12**).



Scheme 12



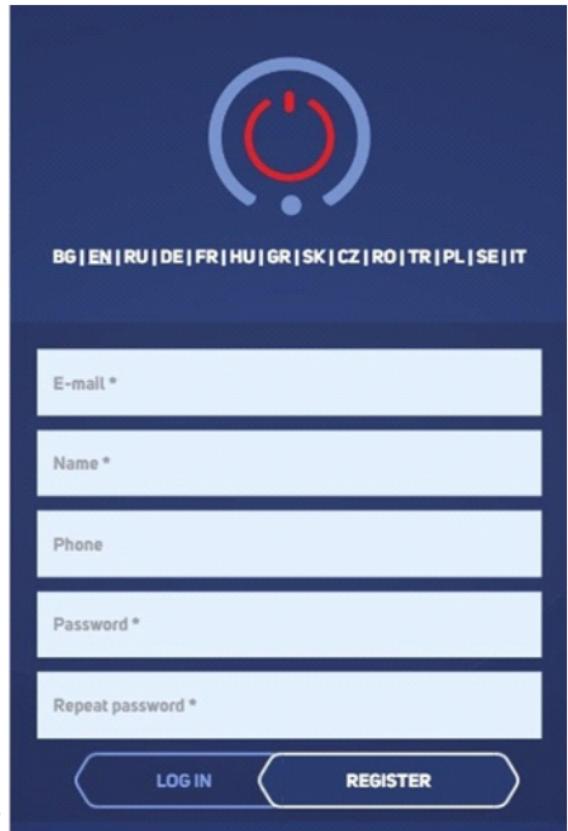
Scheme 13

4.3 If you access the website or the app for the first time, you need to register or log in with your Facebook or Google + accounts just by clicking the particular button. (**Scheme 13**).

4.4 New user registration.

Fill in the registration form's fields and click the 'Register' button. You are now registered and may enter the app.

(Scheme 14).



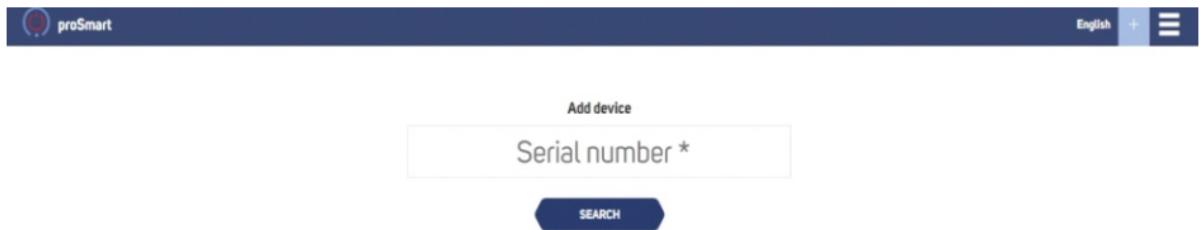
The image shows a registration form interface. At the top, there is a large circular logo with a blue outer ring and a red inner circle. Below the logo, a horizontal bar contains language codes: BG | EN | RU | DE | FR | HU | GR | SK | CZ | RO | TR | PL | SE | IT. The main form area has five input fields with dark blue borders: 'E-mail *', 'Name *', 'Phone', 'Password *', and 'Repeat password *'. At the bottom, there are two buttons: 'LOGIN' on the left and 'REGISTER' on the right, both in white text on a dark blue background.

Scheme 14

Step 5: Adding a device

If you have used **ProSmartConfig** mode from step 3, please proceed to step 5.3.

5.1 Home Screen —After the successful login with username and password, you should already be seeing the home screen in your profile and can add the device you have received. Enter the serial number of your **PS Gate** device that you previously connected to the wireless network (**Scheme 15**).



Scheme 15

5.2 Click on the '**Search**' button and after successfully finding your device, the application will redirect you to the main controlling screen (**Scheme 16**).

The screenshot shows a device configuration screen. At the top, there is a header with the proSmart logo, a language selection for English, and a menu icon. Below the header, the device ID '5MG40JBB6M' is displayed. The device name 'Relay 1' is shown in the center, with a edit icon (pencil) to its left and a delete icon (cross) to its right. A blue button in the bottom right corner contains a power symbol. Below the device name, there is a status indicator labeled 'On' with a blue background and a white border.

Scheme 16

In order to set a name for your device, as well as a time zone and location, press the  button in the upper right corner and fill in the fields (**Scheme 17**). From that window you can also delete the device from your profile via clicking the deletion button in the bottom right corner.



Scheme 17

5.3 You can now set and control your device.

In the upper left corner you can find two buttons: **Main screen** and **Settings (Scheme 18)**.



Scheme 18

Step 6: Main screen

6.1 In the main page you can find a button for opening and closing or turning on and off of the connected system. By pressing the button, an impulse is sent with predefined length (**Scheme 16**).

6.2 Settings screen



Scheme 19

In the **Settings** you can also find a menu for choosing the impulse length in milliseconds (**Scheme 19**).

6.3 Sharing devices

From the Shared devices menu via a button  , placed in the upper right corner of the **proSmart** application 's screen, every device's owner can share them with other registered users via an email.

Step 7: PS Gate servicing

7.1 **PS Gate** is cleaned with a dry or slightly dampened with water towel.

The use of aggressive or abrasive cleaning liquids is strictly forbidden.

7.2 The condition of the terminals, terminal connections, as well as the connection reliability of external wires needs to be checked every six months, and strengthened if needed.