

QUICK GUIDE



PREGIO series

Multifunctional intrusion detection control units with hybrid configuration

090011158



Compatible with
GATEWAY2K



Compatible with the
e-Connect platform



IMO-SISTEMI DI SICUREZZA



EL.MO. SPA



FOREWORD

FOR THE INSTALLER:

Comply strictly with current standards governing the installation of electrical systems and security systems, and with the manufacturer's directions given in the manuals supplied with the products.

Provide the user with full information on using the system installed and on its limitations, pointing out that there are different levels of security performance that will need to suit the user's requirements within the constraints of the specific applicable standards. See that the user looks through the warnings given herein.

FOR THE USER:

Check the system's operation thoroughly at regular intervals, making sure the equipment can be armed and disarmed properly.

Make sure the system receives proper routine maintenance, employing the services of specialist personnel who meet the requirements prescribed by current regulations.

Ask your installer to check that the system suits changing operating conditions (e.g. changes in the extent of the areas to be protected, change in access methods, etc...).

This device has been designed, built and tested with the utmost care and attention, adopting test and inspection procedures in accordance with current legislation. Full compliance of the working specifications is only achieved in the event the device is used solely for its intended purpose, namely:

Multifunctional intrusion detection control units with hybrid configuration.

The device is not intended for any use other than the above and hence its correct functioning in such cases cannot be assured.

Consequently, any use of the manual in your possession for any purpose other than those for which it was compiled - namely for the purpose of explaining the product's technical features and operating procedures - is strictly prohibited.

Production processes are closely monitored in order to prevent faults and malfunctions. However, the componentry adopted is subject to an extremely modest percentage of faults, which is nonetheless the case with any electronic or mechanical product.

Given the intended use of this item (protection of property and people), we invite you to adapt the level of protection offered by the system to suit the actual situation of risk (allowing for the possibility of impaired system operation due to faults or other problems), while reminding you that there are specific standards for the design and production of systems intended for this kind of application.

We hereby advise you (the system's operator) to see that the system receives regular routine maintenance, at least in accordance with the provisions of current legislation, and also check on as regular a basis as the risk involved requires that the system in question is operating properly, with particular reference to the control unit, sensors, sounders, dialler(s) and any other device connected. You must let the installer know how well the system seems to be operating, based on the results of periodic checks, without delay.

Work involved in the design, installation and maintenance of systems incorporating this product should be performed only by personnel with suitable skills and knowledge required to work safely so as to prevent any accidents. It is vital that systems be installed in accordance with current legislation. The internal parts of certain equipment are connected to the mains and therefore there is a risk of electrocution when maintenance work is performed inside without first disconnecting the primary and emergency power supplies. Certain products include batteries, rechargeable or otherwise, as an emergency backup power supply. If connected incorrectly, they may cause damage to the product or property, and may endanger the operator (explosion and fire).

EU DECLARATION OF CONFORMITY

The product complies with current European EMC and LVD directives.

The full text of the EU declaration of conformity is available at the following internet address: elmospa.com – registration is quick and easy.

DISPOSAL INSTRUCTIONS - INFORMATION FOR THE USER



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In accordance with Directive 2012/19/EU on waste electrical and electronic equipment (WEEE), please be advised that the EEE was placed on the market after 13 August 2005 and must be disposed of separately from normal household waste.

This product needs batteries for correct functioning. Exhausted batteries have to be delivered to dumping grounds authorized for battery collection. The materials used for this product are very harmful and polluting if dispersed in the environment.



1. GENERALS

PREGIO is a series of intrusion detection control units that can be connected to both wired and wireless devices. The series is composed of PREGIO1000, PREGIO2000 and PREGIO1000BM (a PREGIO1000 unit installed in a PREGIO2000 case). PREGIO1000 can manage up to 32 users, PREGIO2000 up to 64. For all the versions, the number of zones (8 on-board wired zones) can be expanded by using RIVER and RIVERRF concentrators (up to 48 zones for PREGIO1000, up to 104 for PREGIO2000).

These control units feature a RS485 serial interface, allowing the connection of RS485 devices. By installing the GATEWAY2K optional device, it is also possible to manage all the wireless devices belonging to the NG-TRX family.

The packaging includes this *quick guide* and the *user manual*.

Registered users can also download these documents from the product's page on www.elmospa.com

2. INSTALLATION

Unfasten the screws that keep the control unit door closed and open it.

Extract the envelope that contains the supplied equipment.

For PREGIO2000 and PREGIO1000BM: the case is ready to be installed so that its door opens on side. In order to install the case for door flap opening, move the support brackets on case rear as indicated in technical manual.

Use the grooves on the container bottom as a template to drill the holes on a flat wall, in order to hang the control unit. Use the supplied screws and plugs to fasten it in position.

Feed the unpowered system cables through the proper holes (**B** on PREGIO1000; **B, C and D, E** on PREGIO1000BM/PREGIO2000).

Feed the mains cable through the **A** hole (for PREGIO1000BM and PREGIO2000 also use the protection grommet).

Connect the phase and neutral wires to the corresponding power supply unit terminals; connect the ground wire to the control unit ground terminal (on the bottom right corner).

Wire the power supply unit output connector to the proper connector on the main board of the control unit, using cable ties to keep the cables in position and thus prevent accidental wire contacts.

Modules

Several modules can be installed on the electronic board to expand its connectivity functions. See the technical manual for more information about the compatible modules and their installation.

Devices

Connect a single keypad on the RS485 serial line in order to display the basic configuration menu, then connect any other control device or proximity key reader following the instructions available in their manuals.

Install the wired devices (except sirens) and connect them to the control unit as shown in their manuals or in the PREGIO series technical manual.

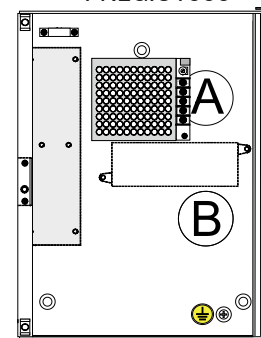
Battery

Place the backup battery (12V/7Ah max for PREGIO1000, 12V/18Ah max for PREGIO1000BM/PREGIO2000) inside the control unit container; connect the red and black cables from behind the board to the Faston terminals of the battery, respecting the polarities.

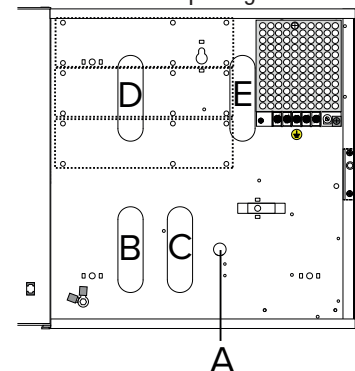
Power the control unit on, configure it as indicated in the following chapter and then perform the system test.

Connect the sirens and perform the final test before closing the front cover with its screws.

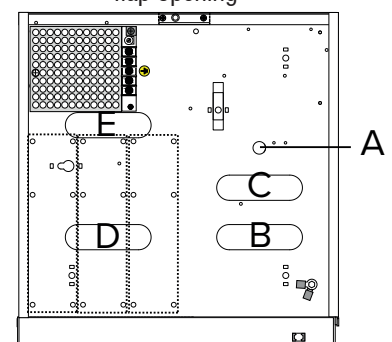
PREGIO1000



PREGIO2000/PREGIO1000BM
side opening



PREGIO2000/PREGIO1000BM
flap opening





3. CONFIGURATION

To browse the menus, use the ↓ and ↑ buttons to cycle through menu entries, the OK button to use a menu entry or start editing the displayed value, and the STOP button to save the configuration and go back to the previous menu level.

When accessing or exiting some menus, you may be asked to confirm the changes.

Reset the control unit and you will be prompted to the automatic registration of all of the installed modules.

The modules can also be added one at a time from the “REGISTER MODULES.” menu, as seen in the programming manual.

To reset the control unit:

- Keep the OK button pressed while powering up the control unit. The “FACTORY DEFAULT?” screen shows up.
- Release the OK button, then press ↓, then ↑ to reset the control unit. Press OK at the “REGIST. MODULES?” screen.

To configure the control unit:

1. Type the installer code (default: 88888888) and press OK to access the keypad configuration menu. This allows a basic configuration, limited to Area1.
2. Use the “SYSTEM SETTINGS” menu to...
 - a. acquire wired zones. Zones entry, **see chapter 3.1**
 - b. assign wired zones to partialization sectors. Zones entry, **see chapter 3.2**
 - c. set which partialization sectors can be armed or disarmed by each user. Users entry, **see chapter 3.3**
 - d. set the exit timer and the siren timer. Exit time and Siren time entries, **see chapter 3.4**
3. Use the BrowserOne software for a finer configuration. **See chapter 3.7**
4. Test the control unit. **Proceed with chapter 4**

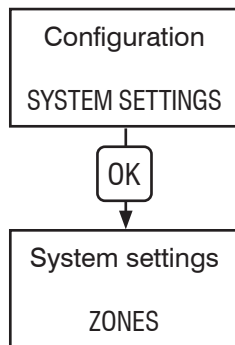
Upon connection of a GATEWAY2K, the PREGIO series control units can support NG-TRX devices. Connect and program at least one GATEWAY2K device and then the NG-TRX-related entries will appear in the keypad menu.

See the corresponding manuals for further information on configuration of GATEWAY2K and the other NG-TRX devices.

See the programming manual also for adding other wireless devices.

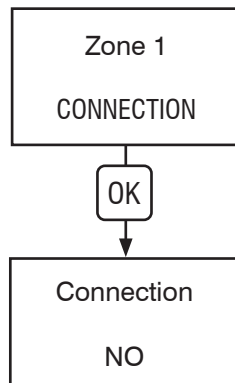
3.1 Wired zone settings

Browse the Configuration menu.



Press OK to access the menu.

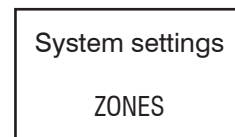
Use ↑ and ↓ or type a value to select the desired zone, then press OK.



The devices is not connected by default. Press OK to switch the connection ON, then press Stop twice to save and go back to the previous menu.

3.2 Assigning zones to sectors

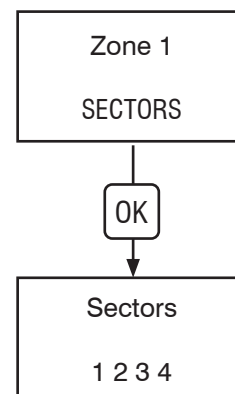
Browse the System Settings menu.



Press OK to access the menu.

Use ↑ and ↓ or type a value to select the desired zone, then press OK.

Browse the “Zone x” menu using ↑ and ↓ until you reach SECTORS:

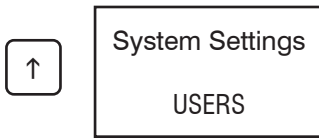


Press digits 1 to 4 to deselect or select the sectors that shall be included in the selected zone, then press Stop to save and go back to the previous menu.



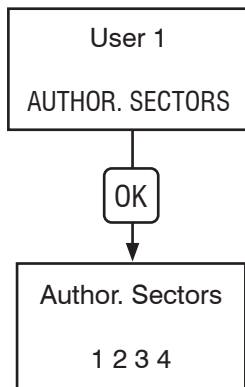
3.3 User access levels

Browse the System Settings menu.



Press OK to access the menu.

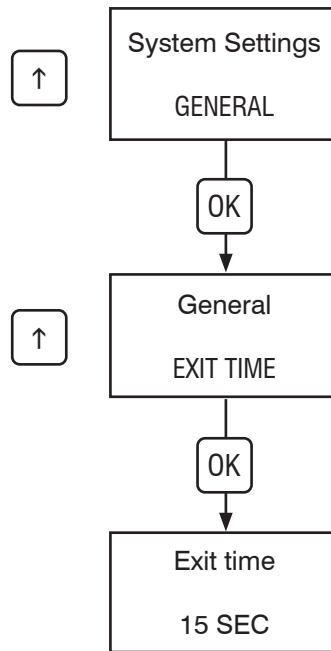
Use ↑ and ↓ or type a value to select the desired user, then press OK. Browse the "User x" menu using ↑ and ↓ until you reach AUTHOR. SECTORS:



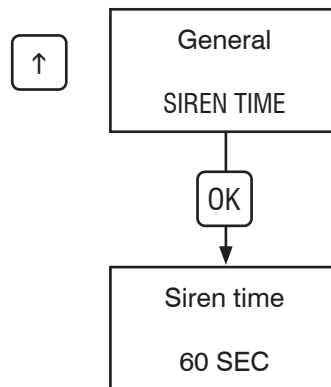
Press the digits 1 to 4 to assign or to unassign a sector to this user, then press Stop to save and go back to the previous menu.

3.4 Exit and siren time

Browse the System Settings menu.



Use ↑ and ↓ to increase/decrease the desired time by 5 s, or use OK to increase the desired time by 1 s (maximum time: 255 s). Press Stop to save and exit.

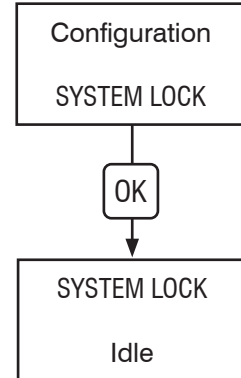


Use ↑ and ↓ to increase/decrease the desired time by 5 s (min: 0, the siren does not sound; max: 540 s). Press Stop to save and exit.

3.5 System lock

To perform maintenance, to install additional devices or to substitute existing ones, "lock" the control unit (no alarms or faults are generated):

Browse the Configuration menu.



The system is now locked, the keypad and proximity key reader LEDs will start blinking. Press Stop to end the lock.



3.6 Reset while powered

To reset the system while it is on:

1. enter the configuration menu using the installer code and lock the system from the proper menu (see section 3.5);
2. open the control unit container;
3. activate the manual lock for maintenance of the self-powered wired siren;
4. keep the reset button pressed;
5. keep the OK button pressed;
6. release the reset button, keeping the OK button pressed;
7. when the "FACTORY DEFAULT?" screen appears, release the OK button;
8. press ↑, then ↓;
9. press OK at the "REGIST MODULES?" screen.

The factory reset will delete any previous settings to restore the initial ones.

3.7 Software programming

Download BrowserOne and the proper module from the elmospa.com website (reach the proper page by using one of the QR codes at the end of this guide), install them and update them from Tools > Software Updates.

Physically connect the control unit to the PC with a USB/mini-B connection cable (to be purchased separately) and start the connection (Connect > Connect to...). The module loads.

After acquiring every device as shown in the previous columns, read the control unit setup.

Here follows a brief overview of the basic parameters that can be configured via BrowserOne: refer to the programming manual for a complete description.

- On the Zones page, activate zones by flagging "Connected". For all other devices, set the alarm and fault behaviour from the drop-down menus. Some events activate the general alarm and the alarm output, some do not. See the programming manual for the details.
- Assign each device to a sector from the Assign Area/Sector tab, thus allowing partial arming and disarming.
- On the Users page, set the passwords and the allowed and proposed sectors for each user. Allowed sectors are sectors they can arm or disarm, proposed sectors are the ones that users are prompted to arm or disarm by default.
- Configure the core settings, available in the System Options page.
- Configure the available Outputs from the page having the same name. It is possible to set both the activation event and the behaviour of the relay ("Mode").
- Configure the settings of any optional modules, including the Telephone Dialler.
- Set the time programming from the Weekly Prog. page.

Write the configuration to the control unit.

4. TEST

Disarm the control unit and use a keypad to access the installer or the user menu.

Inside the Configuration menu, browse to the "SYSTEM TEST" entry and press OK. Use ↑ and ↓ to browse the available tests, then press OK to start the test. All tests related to devices that are not part of the system (e.g. the dialler test when no dialler is installed) automatically pass.

4.1 Zone test

This test is performed on the zones with the walk test property.

Have each zone send an alarm signal, one at a time (if no zone has the walk test property, an error message appears). When a zone is successfully tested, the control unit beeps.

4.2 Output test

The external siren activates. The alarm relay and the RS485 sirens activate too, if programmed.

Press # to stop the ongoing test.



4.3 Dialler test

For this test to be possible, a telephone module has to be installed, at least one telephone number has to be assigned to the "Periodic call" event and there has to be a PSTN or GSM line.
The test ends as soon as the dialler activates.

4.4 Battery test

The battery status is checked. In case of failure, a set of events is generated: they will be managed by the control unit according to programming. After performing a battery test, wait at least 2 minutes before launching a new one.

5. CONNECTION TO THE e-Connect SERVICE

Open the Configuration menu and browse to INTERNET ACCOUNT (this menu only appears with a registered and installed appropriate module and if activated via software).

Type the 9-digit registration code taken from the registration e-mail, then press OK.

In case of errors, see the description of the error messages in the programming manual.

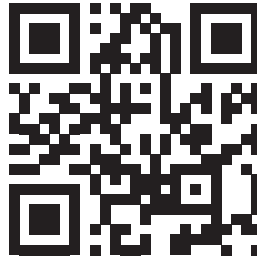
DOWNLOAD TECHNICAL DOCUMENTATION

PREGIO1000



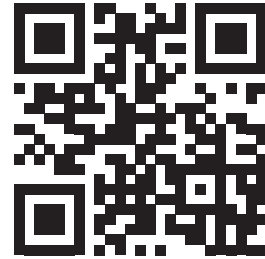
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PREGIO1000BM



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PREGIO2000



bit.ly/3ki8llb