User Guide for working with the alarm system SMART GUARD

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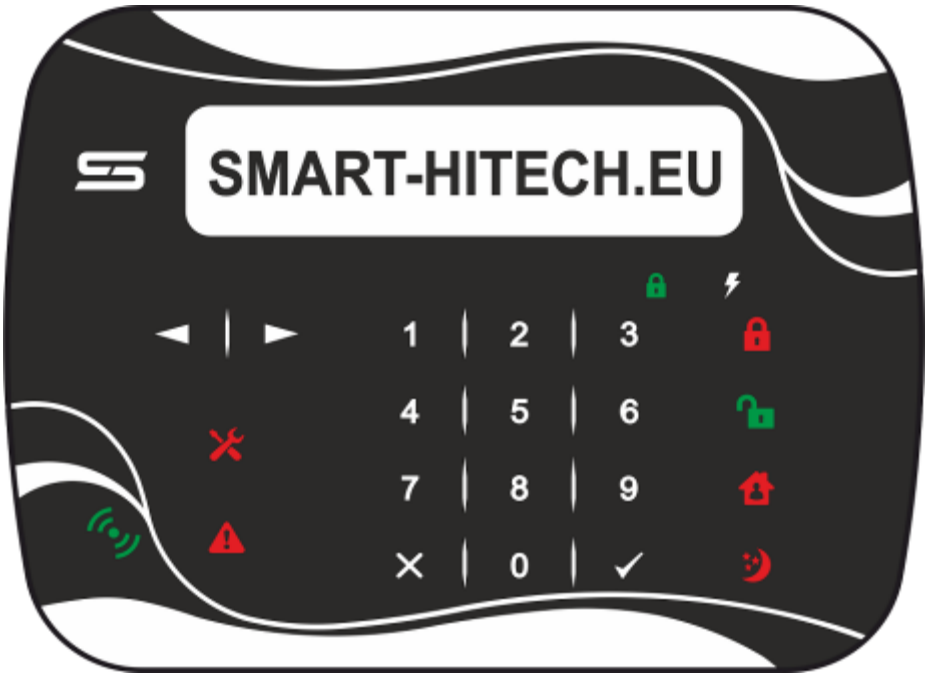
GPS Systems Bulgaria has created hi-technology intruder alarm system that incorporates rich functionality and numerous technological solutions for home and office protection.

The **SMART GUARD** alarm system combines all advantages of the traditional intruder alarms but even goes beyond them. It expands and improves all functionalities to a level of highly intelligent system for management and control.

1. Working with keypad

SG KEYPAD has stylish and elegant design with large two-line display. It is equipped with capacitive touch buttons and adjustable built-in LED backlight. An adjustable built-in buzzer can notify you for all system events. Via its intuitive and user-friendly designed menus, all system parameters can be setup locally. It will guide you through the settings with easy-to-understand messages. The built-in backlight under the multi-functional buttons will help you for quick navigation about the system state.

Several predefined buttons are available for the most used actions. After each action, a corresponding message will appear on the keypad display.



1.1. Description of multifunctional buttons

Symbol	Description
0 ÷ 9	As Buttons: used to enter user codes and different parameters in the system menu. As Indicators: used to show an open zone in the range from 1 to 9. If digit 0 is light, there is open zone with number higher than 9.
✓	Button **OK** – enter/confirm the current action.
✕	Button **CANCEL** – cancel/exit from the current action/menu.
◄ ►	Buttons for scrolling and navigation through menus and events.
	Quick button to arm the system with "FULL ARM“.
	Quick button to DISARM the system.
	As Button: quick button to arm the system with "STAY ARM“ mode. As Indicator: lights **RED** when the system is armed with "STAY ARM“ mode.
	As Button: quick button to arm the system with "SLEEP ARM“ mode. As Indicator: lights **RED** when the system is armed with "SLEEP ARM “ mode.
	As Button: review system troubles. As Indicator: blinks in **RED** in case of system trouble.
	As Button: review system log. Changing letter case in typing mode. As Indicator: lights **RED** when alarm memory is not empty.

	RFID antenna: the place to read the RFID card. As Indicator: lights **GREEN** when the card is accepted and **RED** when rejected.
	ARM status indicator. **GREEN** – system is disarmed and ready to be armed. **RED** – the system is armed. **OFF** – not ready to arm, there is an open zone.
	External power supply indicator. Blinks when AC is missing.

NOTE 1: If there is no key touch for more than 1 minute, the system will logout the current user.

NOTE 2: The keypad will lock for some time after 4 consecutive wrong passwords.

1.2. Audible signals

The keypad can alert for system events with different audible signals. The volume of those signals can be adjust or completely stopped.

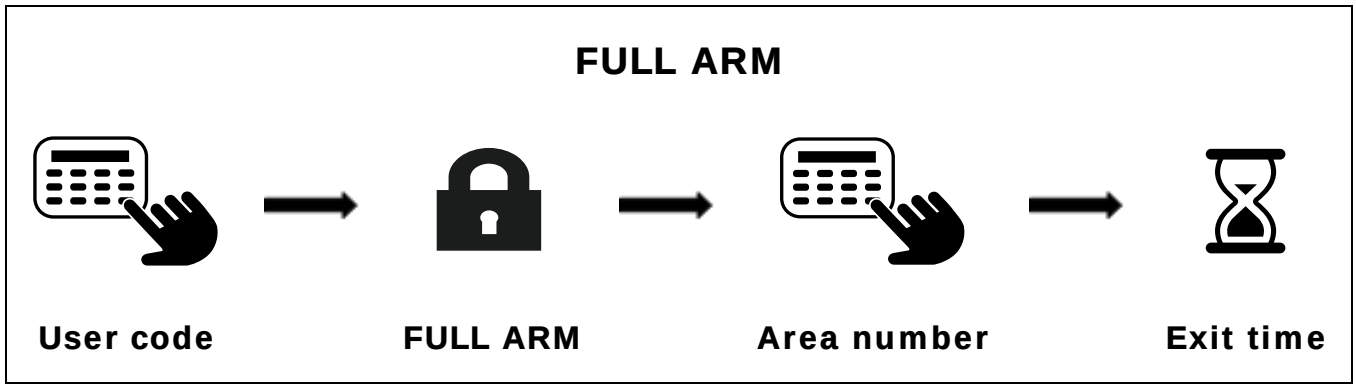
Event	Description
Button touch	Short beep.
Confirm	Short beep.
Reject	Long beep.
Exit time	Short beeps inform the user that there is a limited time to leave the area before arming. A few seconds before the time runs out, the beeps speed up.
Entry time	Short beeps inform the user that there is a limited time to enter its code and disarm the area. A few seconds before the time runs out, the beeps speed up.

ARM / DISARM	Three consecutive beeps, where the last is longer.
Technical problem	A single short beep and the dedicated indicator starts blinking.
Doorbell zone triggering	Short fading beeps informing the triggering of an "entry" zone (only in disarmed area).
Fire alarm	Repeating beeps informing the triggering of fire zone.

2. ARM and DISARM

2.1. FULL ARM mode

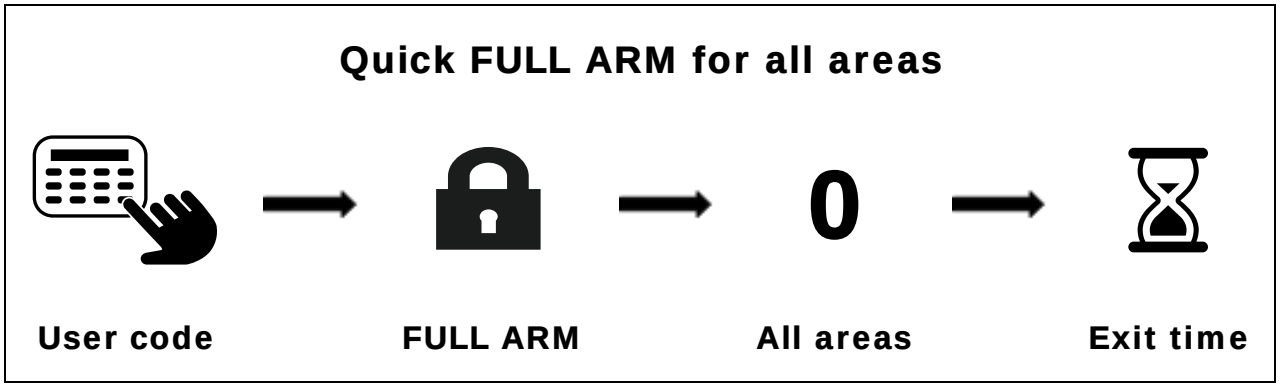
In this mode, all zones from the selected area(s) will be monitor and alarm will generate if any of the zones is trigger. System is ready to arm only if all zones are closed and the ARM status indicator lights in green. Entering a valid user code and selecting desired area number from 1 to 8 will activate its FULL ARM mode.



Arming will start by counting the exit time with audible signal (short beeps) and flashing the ARM status indicator in red. In the last few seconds, the beeps will speed up. Exit time will end with the ARM tone - three consecutive beeps, where the last is longer and the ARM status indicator lights steadily red.

If the user has permissions for only one area, the system will skip asking for its number and will go directly to the exit time.

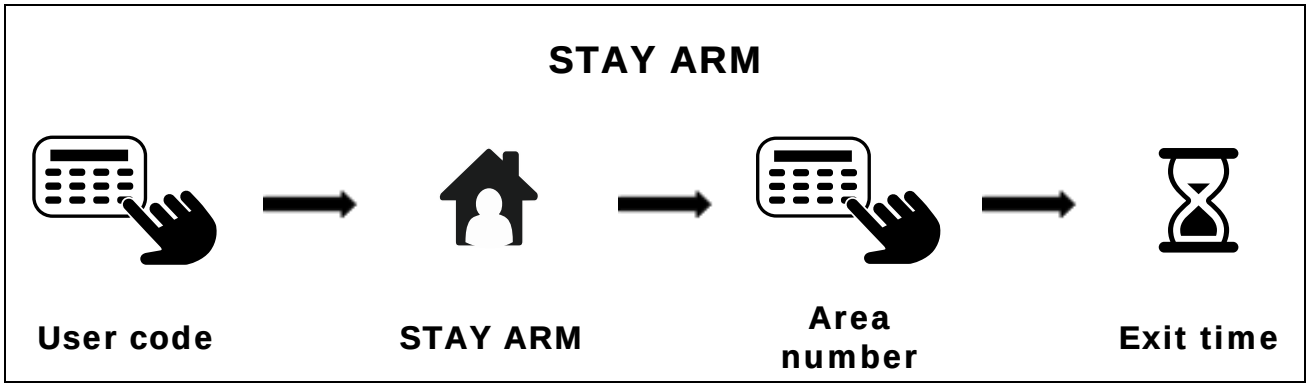
Arming all areas at once can be done with Quick FULL ARM by touching the 0 button for area number.



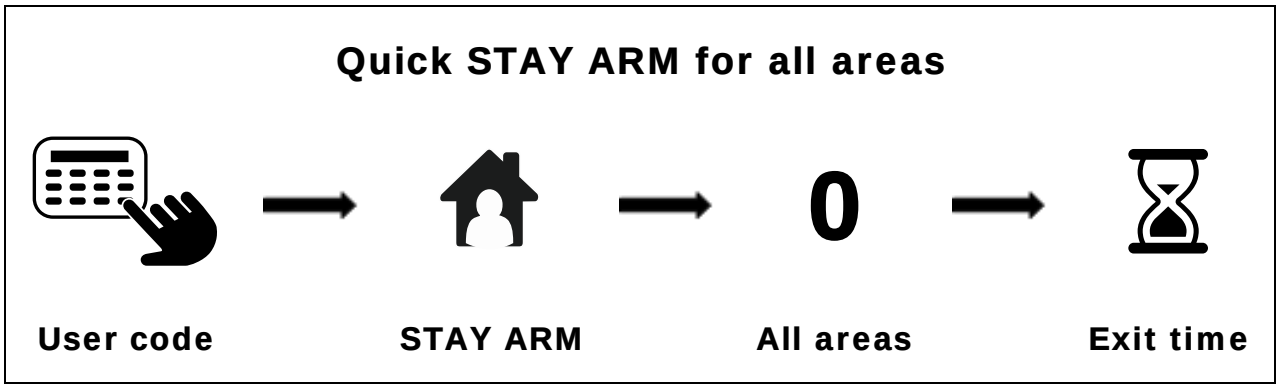
Arming the system can be done with proximity (RFID) cards and tags. They can be used along with the user codes or instead of them. These cards have to be hold in front of the keypad reader in order to read them properly. They have to be configure in the system before use.

2.2.STAY ARM mode

The STAY ARM mode differs from FULL ARM only in that it does not monitor all zones. These zones are disable for monitoring in this mode (bypassed). This means that the user can stay in the armed area without generate alarms. This mode is activate the same way like FULL ARM - after entering a valid user code or proximity card.

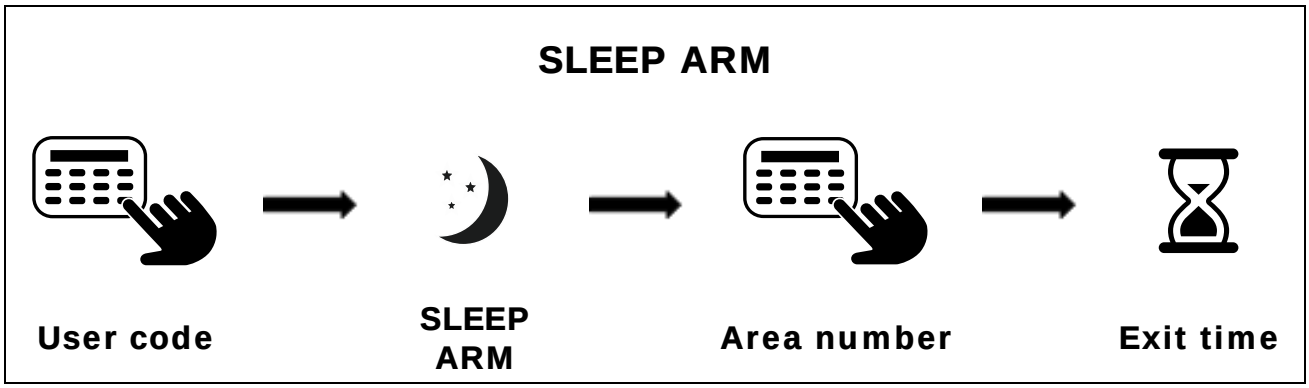


Quick STAY ARM is also available, but with different dedicated button.

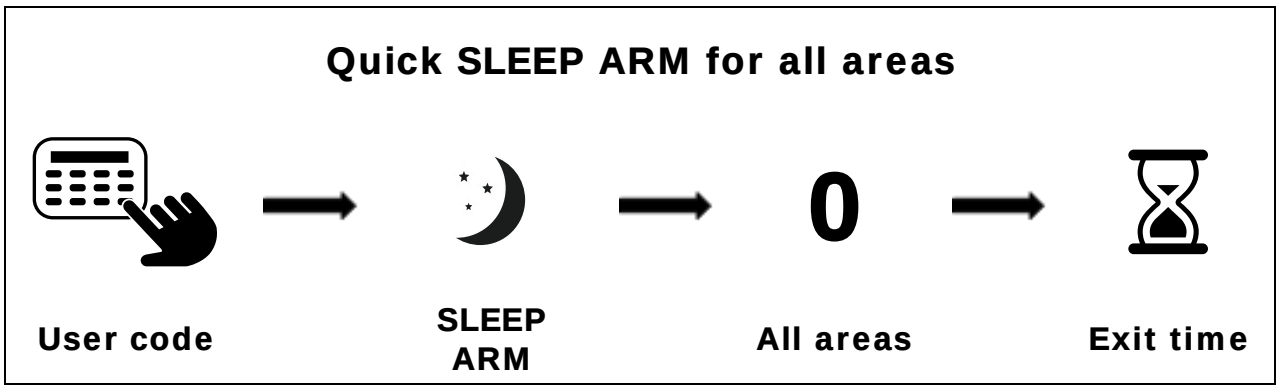


2.3. SLEEP ARM mode

The SLEEP ARM mode is the same as STAY ARM. The only difference is in the bypassed zones, which can be different. In this mode the user can “sleep” in the armed area without generate alarms. This mode is activate the same way like FULL and STAY ARM - after entering a valid user code or proximity card.

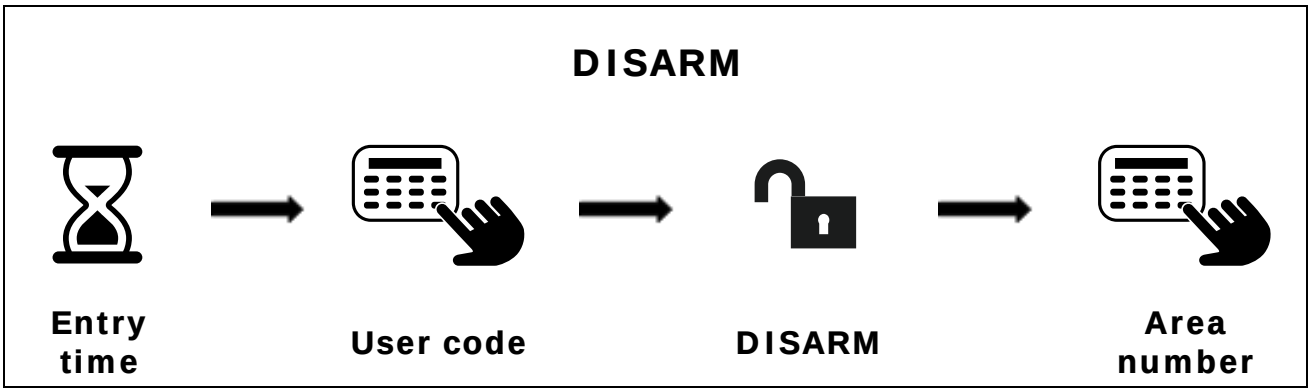


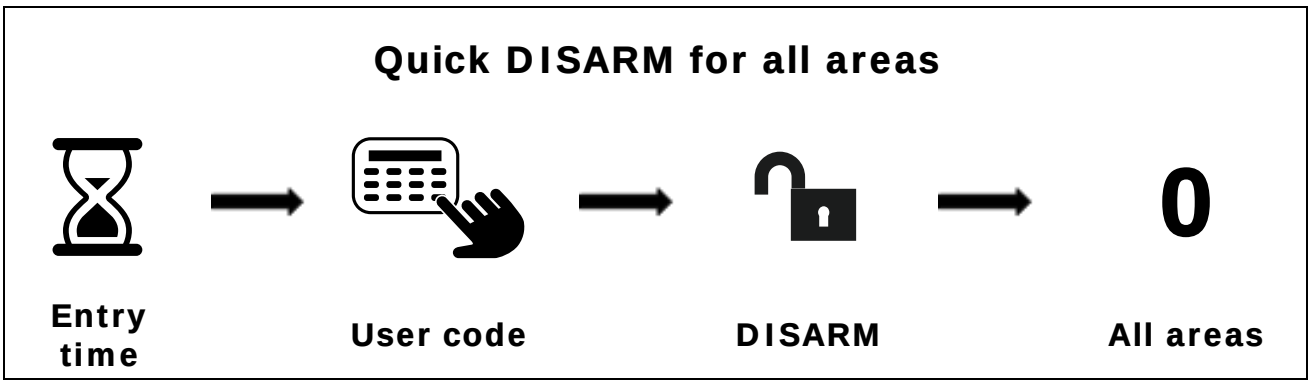
Quick SLEEP ARM is also available, but with different dedicated button.



2.4. DISARM

Disarming usually begins with the triggering of an entry zone. The keypad starts the entry time with audible signal (short beeps) and flashing the ARM status indicator in red. The system will wait for a valid user code or proximity card in order to disarm the area. If no valid code or card is applying until the entry time expires, an alarm will generate. After valid code or card is applied, the keypad will end the entry time with the DISARM tone - three consecutive beeps, where the last is longer and the ARM status indicator lights steadily green. A user can disarm areas only for which has permissions.

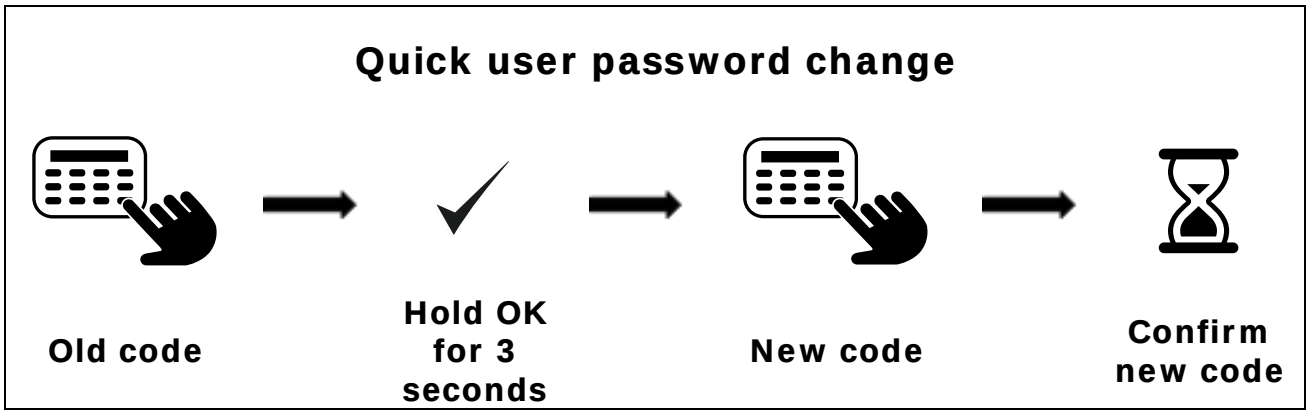




3. Quick user password change

Any user password can be change quickly, by following these steps:

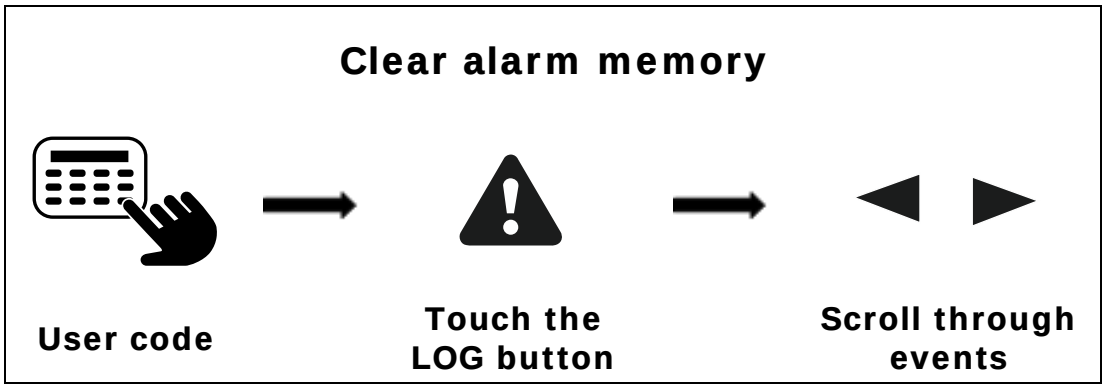
1. Enter the current (old) user code;
2. Hold OK button for 3 seconds;
3. Enter the new user code;
4. Confirm the new user code.



4.Clearing alarm memory

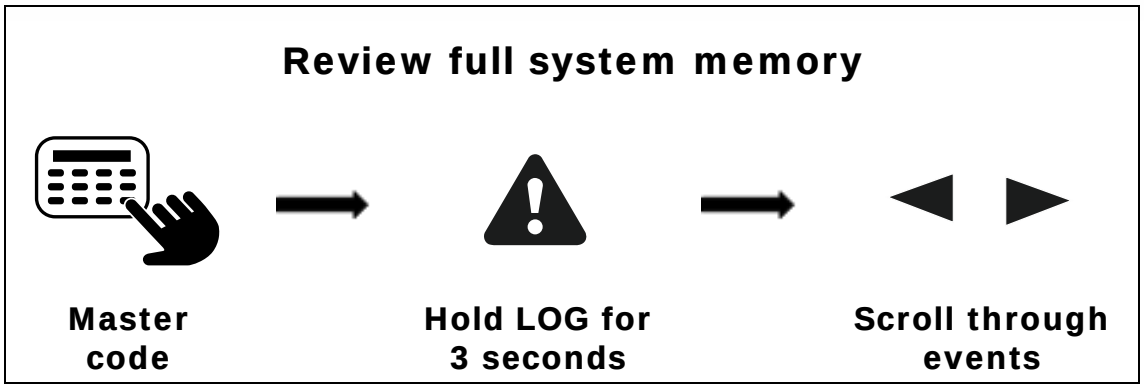
The memory "LOG" button will light in red if any alarm occurred during the last armed period or if an alarm trigger in 24-hour zone while the area is disarm. There are two ways to clear this memory status – by viewing it or next time when arm the area it will clear automatically.

To view (clear) the alarm memory, after entering the user code, the "LOG" button have to be pressed. The alarm events will appear on keypad's display and can be scroll via the arrow buttons. The alarm buffer will clear and the red light will disappear from the "LOG" button after all events were scroll.



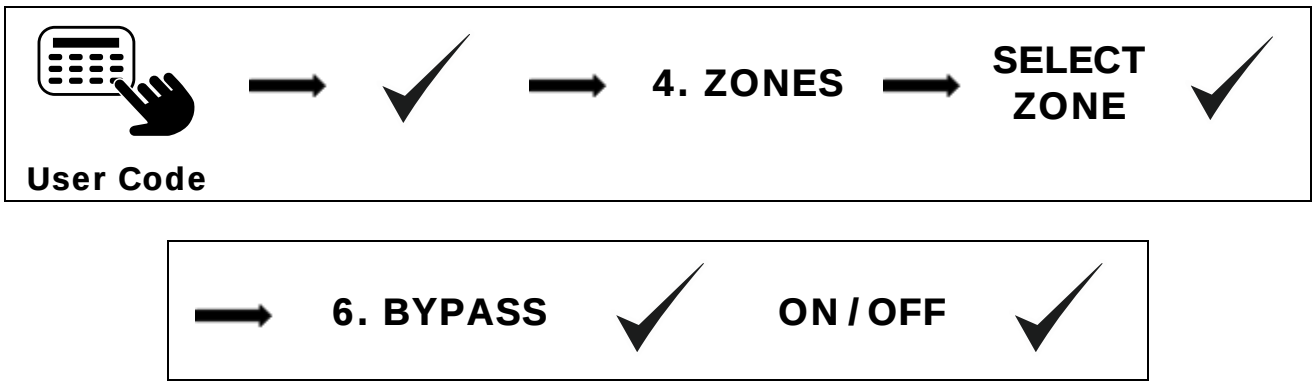
5.Full memory log review

Full system memory log can be review via keypad. Permissions for this operation have only Master users and the Engineer. Accessing this option is after holding the "LOG" button for 3 seconds.



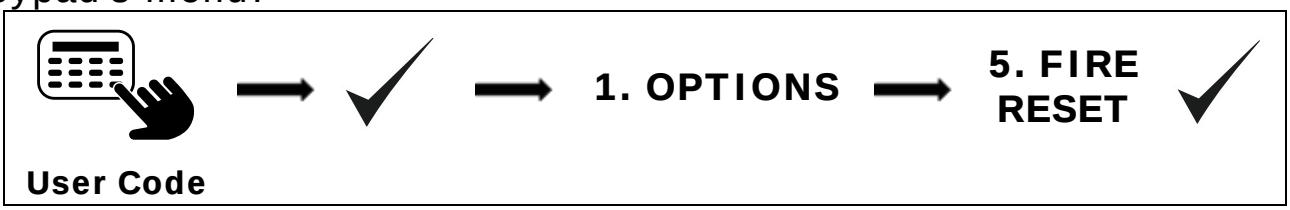
6.Bypassing zones

Each user can temporary disable (bypass) one or more zones for being monitor after ARM. In order to do this, he has to have permissions for the corresponding area, in which the zones belong.



7.Resetting fire detectors

In many cases the alarm systems has conventional fire and smoke detectors connected to their zone loops. After triggering such detector, its power supply has to be cut off in order to reset its normal state. Usually this option is provide via one or few PGMs connected to detectors' negative terminals. With such wiring, the user has the ability to "reset" their power supply after being triggered. This option is available in the keypad's menu:



8.Doorbell notification

The doorbell notification is an audible signal sounded from the keypad to indicate that an entry zone has been trigger. This option can be quickly turn on or off for all zones from 1 to 9 by holding down the corresponding button number.

Turning on/off the doorbell for the keypad's internal zone is done by holding down the button number 0.

9.Keypad display cleaning mode

In order to prevent unwanted key activation while cleaning display surface, the keypad can be set in a special cleaning mode with holding the "CANCEL" button for 5 seconds. When entering in this mode, all the buttons will be inactive for 1 minute. A message "CLEANING MODE" will display on the screen.

10. Smart Guard Control activation for remote control via mobile device or web browser

Smart Guard Control application can be download for iPhone and iPad devices from App Store or by scanning this QR code:

Download on the App Store

For Android devices, the application can be download from Google Play or by scanning this QR code:

GET IT ON Google Play

For using via web browser, it can be access following this link: https://cloud.smart-hitech.eu/

Activation steps:

1) Start the Smart Guard Control application or log in to the following link: https://cloud.smart-hitech.eu/

2) Create a new user (if you do not have registered one), following the steps in the application. You have to enter a valid e-mail;

3) You will receive an e-mail with a confirmation link to complete the registration;

4) If you do not receive a confirmation email for a long time, check your email for spam or create a new one using the “forgotten

password" option by entering the E-mail with which you made the registration in the "E-mail" field;

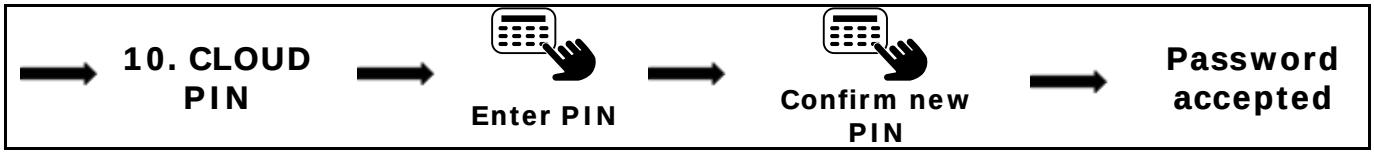
5) After registration confirming, you can log in with your username (entered e-mail) and password;

After successful login, you can add a new object. In order to do this, you will need:

1. **Each control panel serial number** – it is located on the top of the panel's PCB but you can find it from the keypad's menu options. The SN of the panel is visible after entering a user code and is located in the menu "SN PANEL"

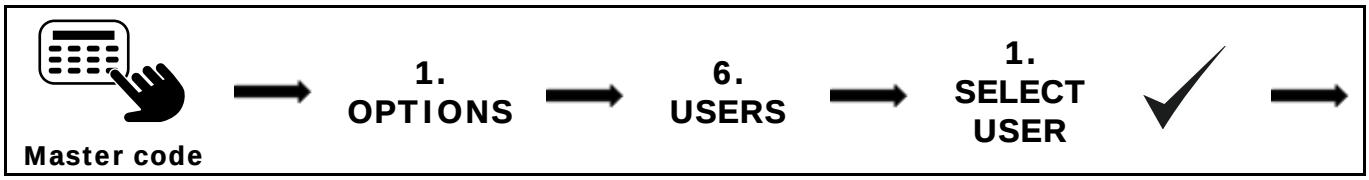
Remember (save) the panel's serial number.

2. **Cloud password (PIN)**



Remember (save) entered password for CLOUD PIN.

3. <u>Cloud pairing code</u> – can be generate by the Master or Engineer only!



Remember (save) the activation code.

<u>ATTENTION:</u> *To make all this possible, you have to allow the connection to the Cloud system into the control panel.*

<u>Registering an object in the cloud</u> ***<u>https://cloud.smart-hitech.eu</u>***

1. Enter your username in Smart Guard Control app.

2. From the main window, select "Object register". Enter information in the "Device Serial Number" (enter SN Panel here) “Pairing code” (enter Activation code here) and “PIN” (enter PIN cloud here).

3. Choose name and icon from the drop-down menu, with them the object will be display for you later in the cloud.

4. Click "Save".