Teletek electronics

Alarm Control Panel
CA62

Installation and Programming Manual

WARNING
This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

The information in this manual is a subject to change without notice!

CE

Guarantee

During the guarantee period the manufacturer shall, at its sole discretion, replace or repair any defective product when it is returned to the factory. All parts replaced and/or repaired shall be covered for the remainder of the original guarantee, or for ninety (90) days, whichever period is longer. The original purchaser shall immediately send manufacturer a written notice of the defective parts or workmanship, which written notice must in all cases be received prior to expiry of the guarantee.

International Guarantee

Foreign customers shall enjoy the same guarantee rights as those enjoyed by any customer in Bulgaria, except that manufacturer shall not be liable for any related customs duties, taxes or VAT, which may be payable.

Guarantee Procedure

This guarantee will be granted when the appliance in question is returned. The manufacturer shall accept no product whatsoever, of which no prior notice has been received.

Conditions for waiving the guarantee

This guarantee shall apply to defects in products resulting only from improper materials or workmanship, related to its normal use. It shall not cover:

- Damages resulting from transportation and handling;
- Damages caused by natural calamities, such as fire, floods, storms, earthquakes or lightning;
- Damages caused by incorrect voltage, accidental breakage or water; beyond the control of the manufacturer;
- Damages caused by unauthorized system incorporation, changes, modifications or surrounding objects:
- Damages caused by peripheral appliances (unless such peripheral appliances have been supplied by the manufacturer:
- Defects caused by inappropriate surrounding of installed products;
- Damages caused by failure to use the product for its normal purpose; Damages caused by improper maintenance;
- Damages resulting from any other cause, bad maintenance or product misuse.

In the case of a reasonable number of unsuccessful attempts to repair the product, covered by this guarantee, the manufacturer's liability shall be limited to the replacement of the product as the sole compensation for breach of the guarantee. Under no circumstances shall the manufacturer be liable for any special, accidental or consequential damages, on the grounds of breach of guarantee, breach of agreement, negligence, or any other legal notion.

Waiver

This Guarantee shall contain the entire guarantee and shall be prevailing over any and all other guarantees, explicit or implicit (including any implicit guarantees on behalf of the dealer, or adaptability to specific purposes), and over any other responsibilities or liabilities on behalf of the manufacturer. The manufacturer does neither agree, nor empower, any person, acting on his own behalf, to modify or alter this Guarantee, nor to replace it with another guarantee, or another liability with regard to this product.

Unwarranted Services

The manufacturer shall repair or replace unwarranted products, which have been returned to its factory, at its sole discretion under the conditions below. The manufacturer shall accept no products for which no prior notice has been received.

The products, which the manufacturer deems repairable, will be repaired and returned. The manufacturer has prepared a price list and those products, which can be repaired, shall be paid for every repaired appliance.

The closest equivalent product, available at the time, shall replace the products manufacturer deems unrepairable. The current market price shall be charged for every replaced product.

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SECTION 1: INSTALLATION

1. Introduction

The CA62 alarm control system is an upgraded version of CA60plus and is designed for security and protection of residential and office buildings. The system is based on a modular principle.
The programming of CA62 can be done by two types of keyboards (LED or LCD) or remotely via ProsTE software.
The security control is managed by means of a keyboard or a proxi reader.

General specifications of CA62 alarm control panel:

Inputs:	• 6 inputs for connecting detectors (5 inputs on the panel and 1 in the keyboard).
Zones:	• From 6 to 12 zones with freely programmable parameters. • Doubling the zone number in the panel by means of specific connection of the detectors. • Individually settings for the balancing type of each input - one or two balancing resistors or zone doubling.
Partitions:	• Two fully independent partitions in the system. • Arming modes: - *Full* (Arming of all zones in the system); - *Instant* (Partial arming - the user is allowed to stay in some zones; the entry zone is secured and any intrusion will starts the alarm immediately; - *Stay* (Partial arming - the user is allowed to stay in some zone; the entry zone is secured, an entry time will start up in case of an intrusion). • Security control by means of Proximity cards reader PR62. • Auto Arming mode for arming the security areas in preprogrammed time.
Outputs:	• 3 weak current and 1 power current programmable outputs type OC (open collector). • Same options for programming of all outputs.
Codes:	• 4 or 6 digits access codes. • 20 User codes, 4 Manager codes, 1 Engineer code. • Programmable function “Ambush code” - generates a "silent" panic alarm, when the user is forced to disarm the system. • Supervised access of the Engineer to the programmed parameters in the system.
Events LOG:	• Memory LOG for 256 events with time and date - can be viewed by a keyboard or via ProsTE software.
Report to a Monitoring Station:	• Built-in digital communicator for central station monitoring via telephone line. “Contact ID” and “SIA” standard protocols are supported. • AJAX - LAN (TCP/IP) communication module. • VD60 - Voice dialer.
Peripheral Devices:	• Up to 4 keyboards - LED and/or LCD models. • Up to 2 proximity cards readers - PR62. • Supported keyboards for CA62: - *LED61* - Keyboard with LED display up to 6 zones. - *LED62* - Keyboard with LED display up to 12 zones, supports operation with 2 Partitions (A and B). - *LED63 VG SE* - Keyboard with LED display up to 12 zones, supports operation with 2 Partitions (A and B). - *LCD62* - Keyboard with icon LCD display up to 6 zones. - *LCD62B* - Keyboard with icon LCD display up to 6 zones (blue backlight of the display). - *LCD63* - Keyboard with icon LCD display up to 6 zones with option for voice messages. - *LCD63SE* - Keyboard with icon LCD display up to 12 zones with option for voice messages, supports operation with 2 Partitions (A and B). - *LCD64* - Keyboard with icon LCD display up to 12 zones, supports operation with 2 Partitions (A and B). • All keyboards have 1 built in zone and quick access buttons. • Flexible programming of the buttons functions for arming and disarming the partitions in the system.
Programming:	• The alarm panel parameters can be programmed from every keyboard (LED or LCD) in the system. • Programming via PC with ProsTE software (RS232 serial bus) or via telephone line. • 4 default configurations of the system parameters, used for basic programming of 3 typical and 1 general system configurations.
Technical Specifications:	• Transformer - 17 VAC, 17 VA. • Accumulator charger - 13.8 V, 1A, electronic overload protection. • Back-up power supply - accumulator 12 V, 7,2 Ah. • Current consumption - up to 100 mA for the control panel. • Power supply for detectors - 13.8 V, 1A, electronic overload protection. • Power supply for additional devices - 13.8 V, 1A, electronic overload protection. • Operating temperature - from 0°C to +50°C. • ABS Plastic box - dimensions: 315 x 260 x 80 mm. • Weight - 2.42 kg.

2. Installation

2.1 General Information

The CA62 Alarm control panel was designed and tested in compliance with electromagnetic compatibility standards.

The following recommendations need to be observed for the proper performance of the alarm station:

- Ensure the alarm system is properly earthed (grounded).
- Insulate the high and low voltage cables and use different input openings on the box.
- Avoid any loops of connecting wires within the very box and in their passage over or under the printed-circuit boarding.
- Additional relays **MUST NOT** be placed in the CA62 Alarm control panel box as these may generate electromagnetic interference when switched.
  - Use only relays with good insulation between contacts and the winding.
  - Relays, connected to outputs with an open commutator, must be designed to accommodate a 12 V DC driving voltage and an impedance at the winding greater than 400Ω.
- The cable connecting the control panel and the keyboard is quadruple.
  It is strongly recommended not to: use this cable to make other connections - connect to a telephone line, Flash-lamps control signals, sirens or relays.
- Avoid channels or cable forms that contain high voltage cables when placing the connecting shielded cables. This is very important in cases where such cables are being used to power electric motors, fluorescent lamps or triple-phase voltage. Where the above is not possible, use only shielded cables, where the shield is grounded only in the alarm system box.

2.2 CA62 Installation Steps

We recommend during the installation of CA62 to follow the next installation steps:

- Carefully plan the security system - the type, number and location of detectors, the location of all peripheral devices, communication modules and the control panel, the type and length of connection wires and cables, etc.
- Mount all system elements - CA62 control panel, detectors, peripheral devices - keyboards and proximity card readers, indoor or outdoor sirens. During the mounting follow the described in item 2.6 connection diagrams and choose the type of zone balancing - with 1, 2 or 3 resistors.
  Attention: The numeration of the keyboards sequence is important, you have to follow strictly the order 1 to 4. The different keyboard models supported by CA62 and their connection to the control panel are described in details in item 2.7.
- Power up the system as follow the steps in item 2.14. Check the normal system operation - there is communication between the control panel and the keyboards, and the LED indication of the detectors in the system is working.
- Program the default configuration type 0, 1, 2 or 3 - the most suitable for your alarm system installation. Details for default configurations are described in SECTION SUPPLEMENTS of this manual.
- Program all other necessary parameters concerning your alarm system installation, as follow the order: peripheral devices, zones, partitions, programmable outputs (PGM), communicator, dialer, user and manager access codes and attributes.
- Test the efficiency of your system installation.

2.3 CA62 Alarm Control Panel Metal Box

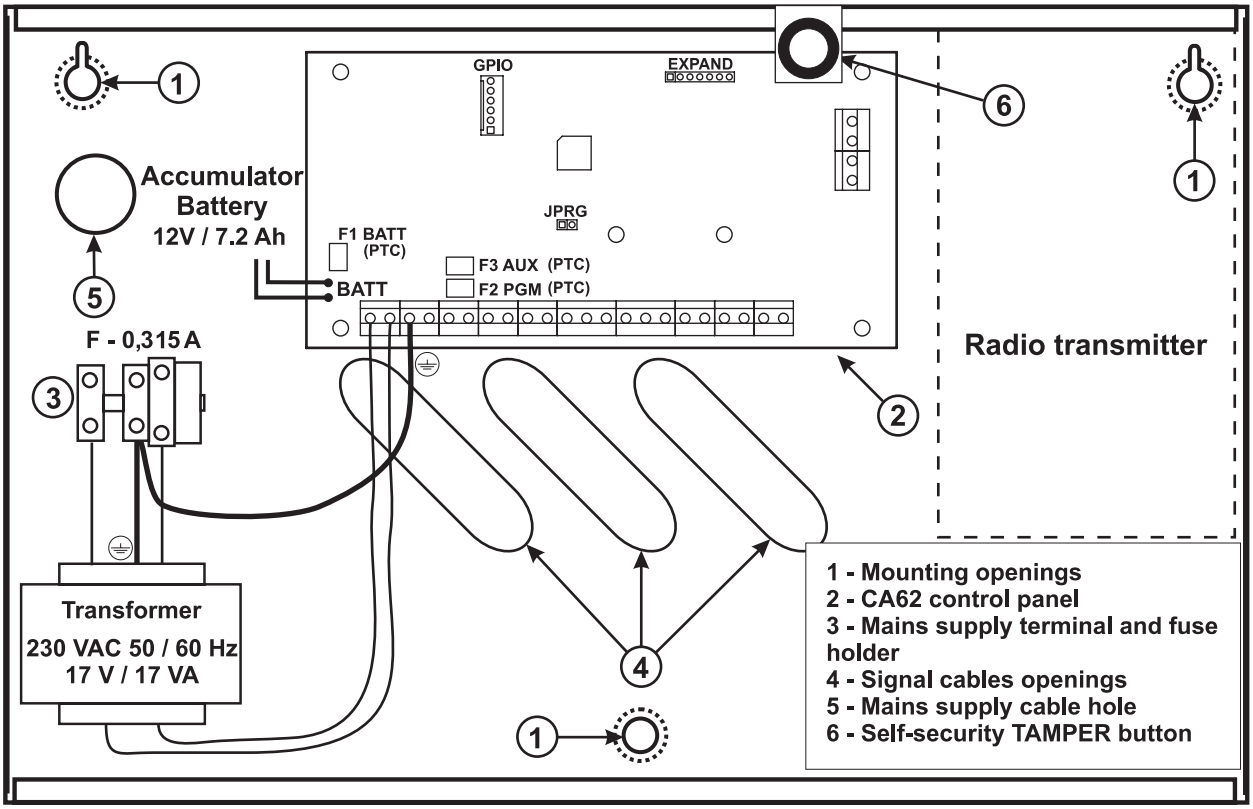


Figure 1. Situation of CA62 alarm panel in metal box.

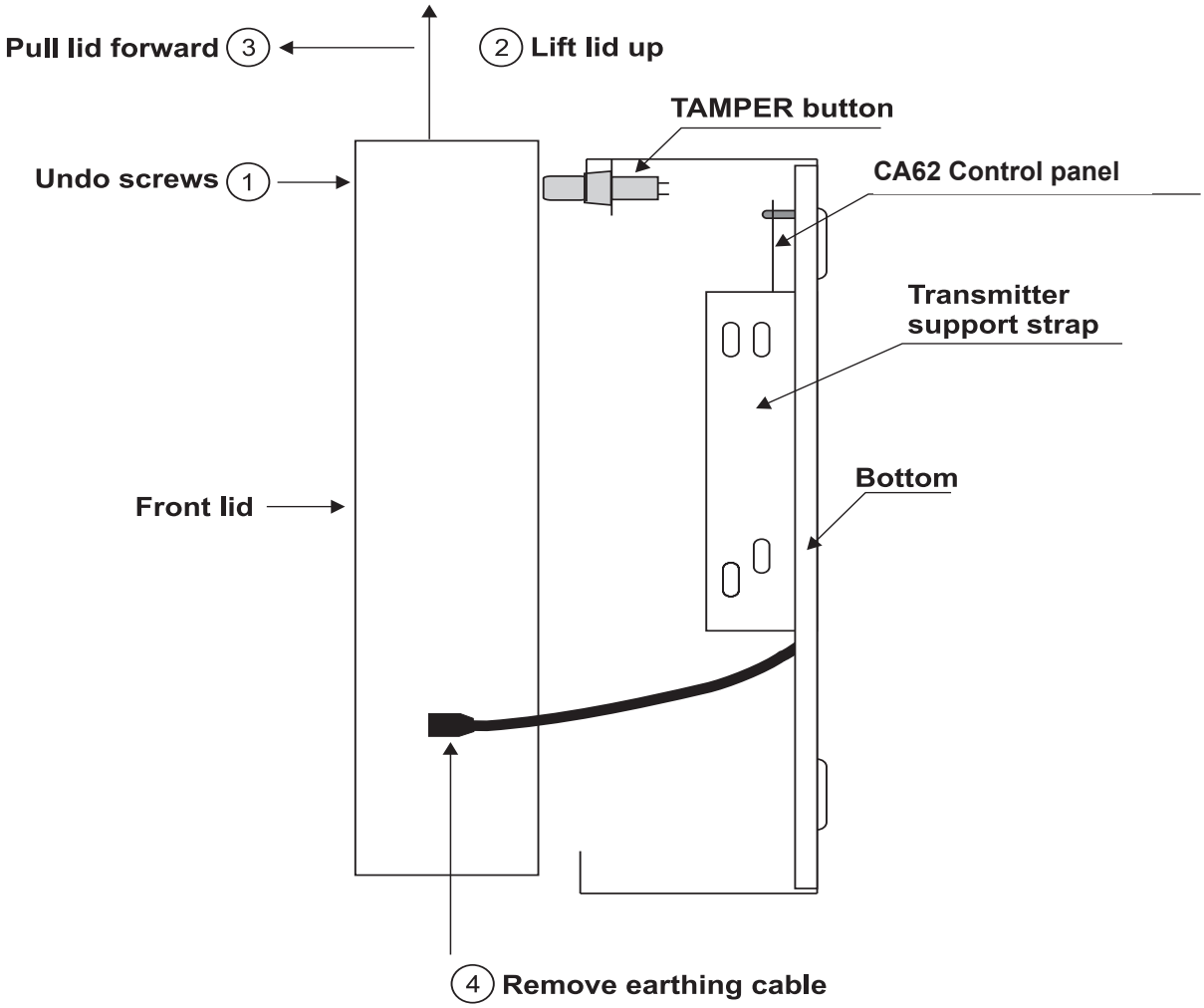


Figure 2. Side view and mounting of universal metal box.

2.4 CA62 Alarm Control Panel Plastic Box

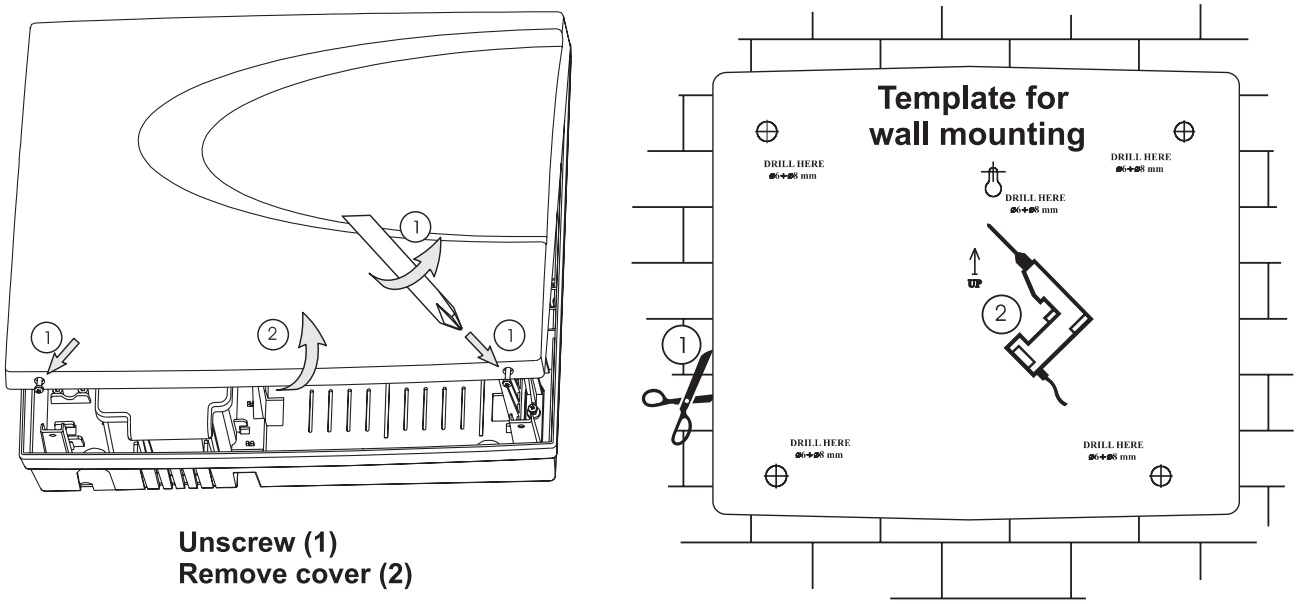
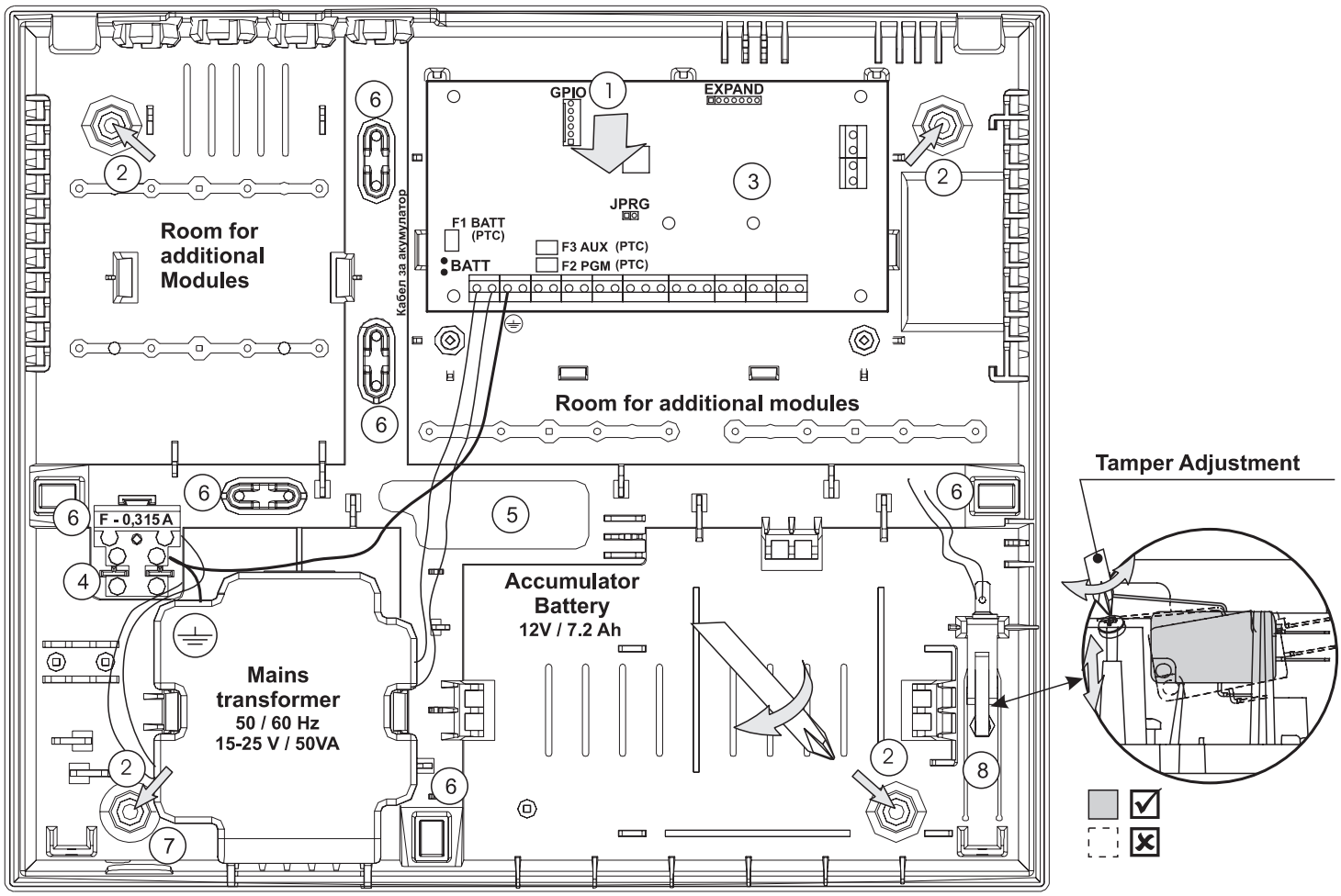


Figure 3. Opening the CA62 plastic box and template for wall mounting.



1 - Central support opening (behind PCB)
2 - Support openings
3 - CA62 Control panel
4 - Mains power supply terminal
5 - Main cable opening
6 - Additional cable openings
7 - Mains power supply opening
8 - Tamper button for box self-protection

Figure 4. Situation of CA62 control panel in plastic box.

2.5 CA62 Alarm Control Panel Inputs and Outputs

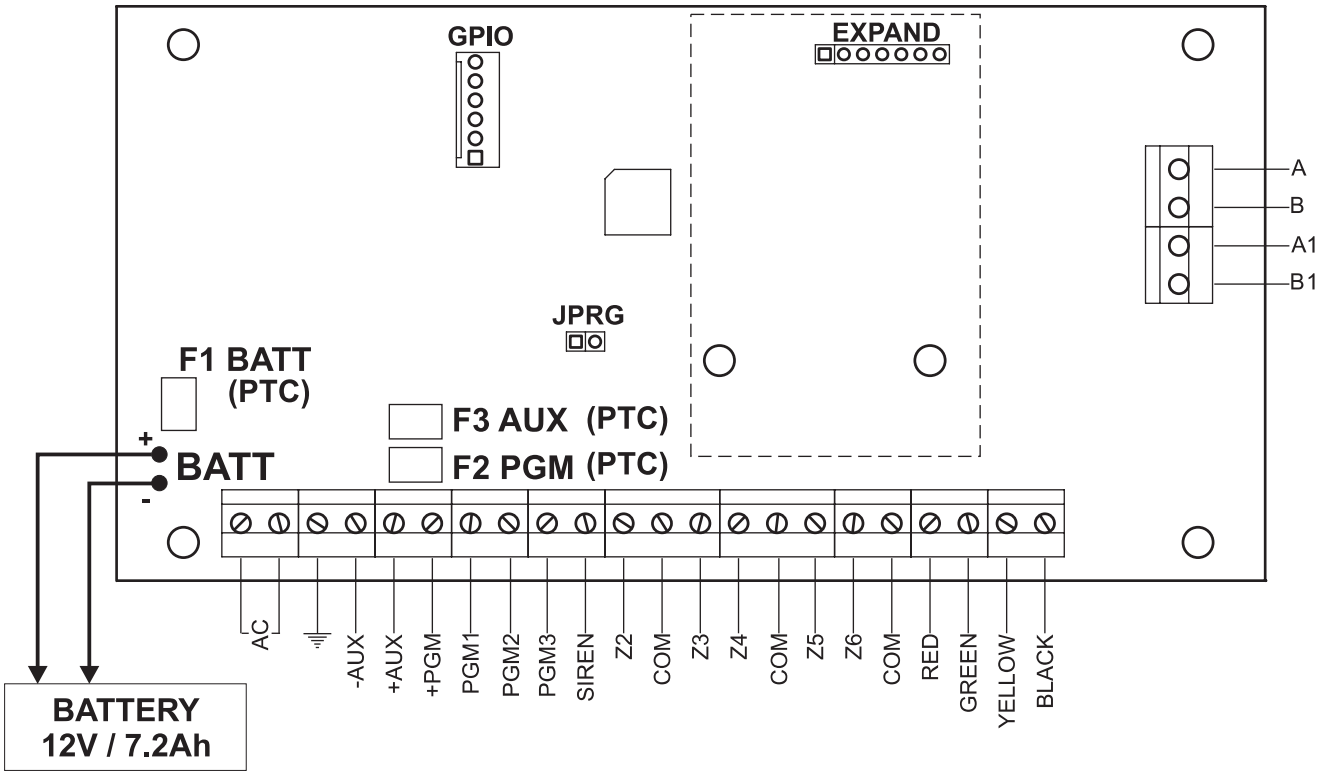


Figure 5. CA62 control panel inputs and outputs.

Terminals description of CA62 control panel:

- **AC** - Power supply from 17V / 17VA mains transformer
- ⏚ - "EARTH"
- **AUX** - Power supply -PGM for detectors with consumption up to 1A
- **+PGM** - Power supply for additional devices with consumption up to 1A
- **PGM1, PGM2, PGM3** - Programmable outputs
- **SIREN** - Siren programmable outputs (PGM4 by default)
- **Z2, Z3, Z4, Z5, Z6** - Zone inputs (Z1 zone is in the keyboard))
- **COM** - Common mass of the zones
- **A, B** - Terminals for telephone line connection
- **A1, B1** - Terminals for connecting a telephone set
- **RED, BLACK** - Keyboard power supply
- **GREEN, YELLOW** - Interface between the panel and the keyboard
- **F1 BATT** - Battery fuse 0.75A, Resettable (PTC)
- **F2 PGM** - Additional device 0.5A mains fuse, Resettable (PTC)
- **F3 AUX** - Fuse for powering sensors, programmable outputs and keyboards 0.5A, Resettable (PTC)
- **BATT** - Battery cables for accumulator with parameters 12V / 7.2 Ah
- **JPRG** - Jumper for hardware RESET and default parameters recovery
- **GPIO** - Interface connector for programming
- **EXPAND** - Terminal for expander modules (Voice dialer VD60)

2.6 Connecting of Detectors to CA62 Alarm Control Panel

The security system is mounted with detectors with relay contacts.

Fire alarm detectors supplied with relay outputs can also be used.

There are three possible options for connecting of detectors to the CA62 zone inputs. The type of balancing for each input is programmed separately at ADDRESSES 2zz6, where "zz" is the zone number - from 02 to 06.

The possible options for connecting the detectors and for balancing the zones are shown on Figure 6: a) Connecting Detectors with One Balancing Resistor, b) Connecting Detectors with Two Balancing Resistors and c) Connecting Detectors with Three Balancing Resistors (zone doubling with connecting two groups of detectors/ zones to one input).

The zone doubling allows to the zones with numbers 2, 3, 4, 5 and 6 of CA62 control panel to be connected two groups of detectors, as the first group is terminated with 1 kΩ resistor, and the second - with 2.2 kΩ. When a zone doubling is realized in the system, the number of the zone for the second group of detectors, represents the number of related zone + 6.

Use the supplied 1 kΩ resistors to balance the zones. The balancing resistors are installed on the last detector of the circuit. The zones, which shall not be used, are terminated with one 1 kΩ resistor at the terminals of the CA62 Control Panel, irrespective of the chosen type of zone balancing. A second way for temporary termination of the unused zones is as program them as **0.Unused** on the respective address - see the description of **ADDRESS 2010**.

After the initial power up of the control panel, the zone balance type has to be programmed. By default only 1 balancing resistor is used.

The hardware implementation of Zone 4 of the panel permits performance in pulse count mode, suitable for connecting a rolling shutters detector. This mode counts short pulses - 2 to 4 ms for a period of 20 seconds. The first pulse starts a 20-second countdown during which pulses are expected to be received. Their number is assigned at ADDRESS 2047 of the engineer program. An alarm signal is emitted when this number is reached within the time of 20 seconds. Otherwise the pulse counter will be zeroed after the time of 20 seconds expires.

Activating the pulse count mode will automatically start when a number other than 0 is keyed in at ADDRESS 2047 of the engineer program. The connection option of a rolling shutters detector to ZONE 4 is shown on Figure 6 d).

The possible options for connecting fire detectors and balancing the zones are shown on Figure 7.

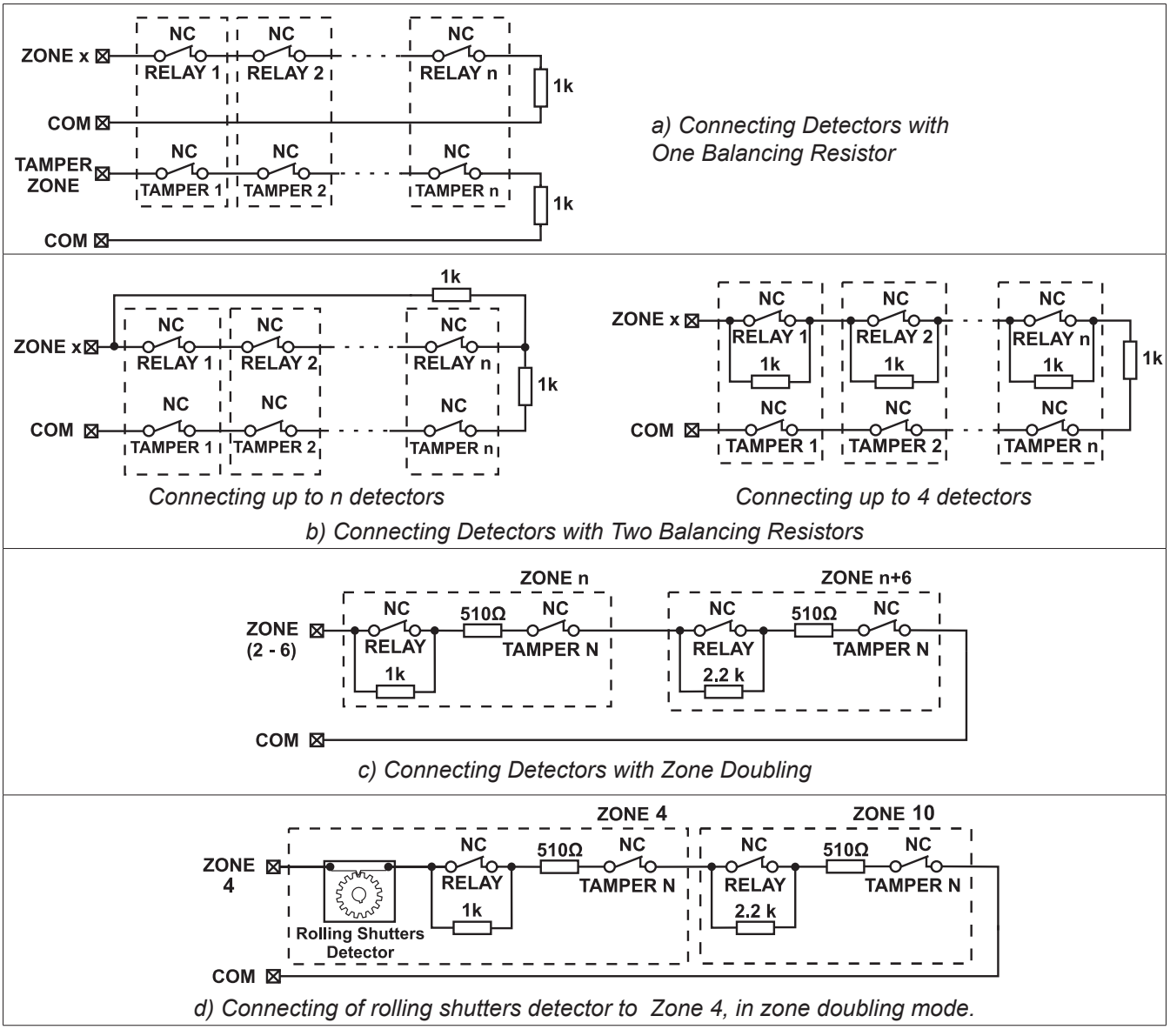
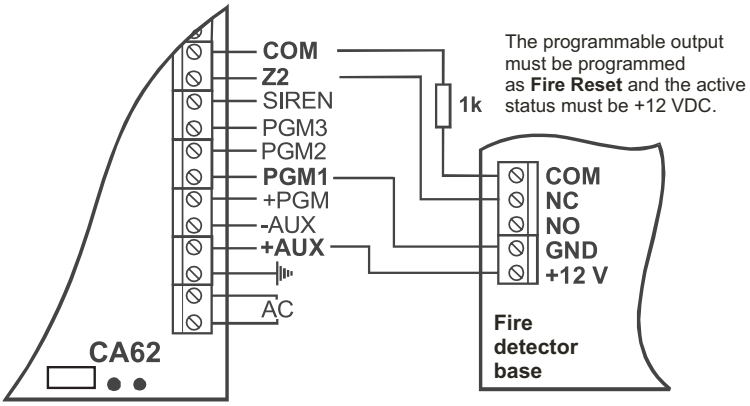
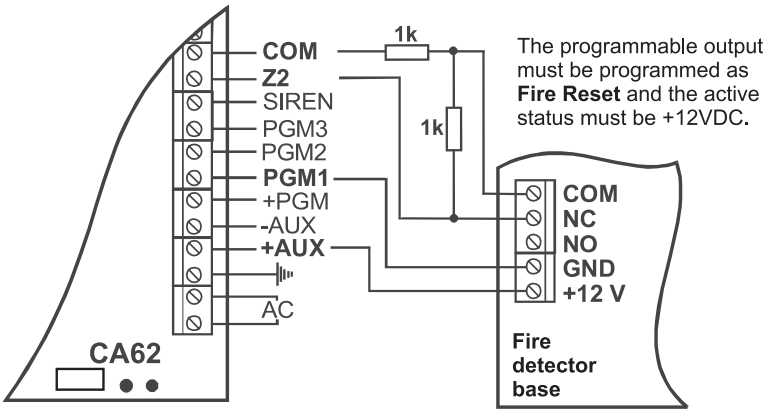


Figure 6. Options for connecting detectors to the CA62 control panel.

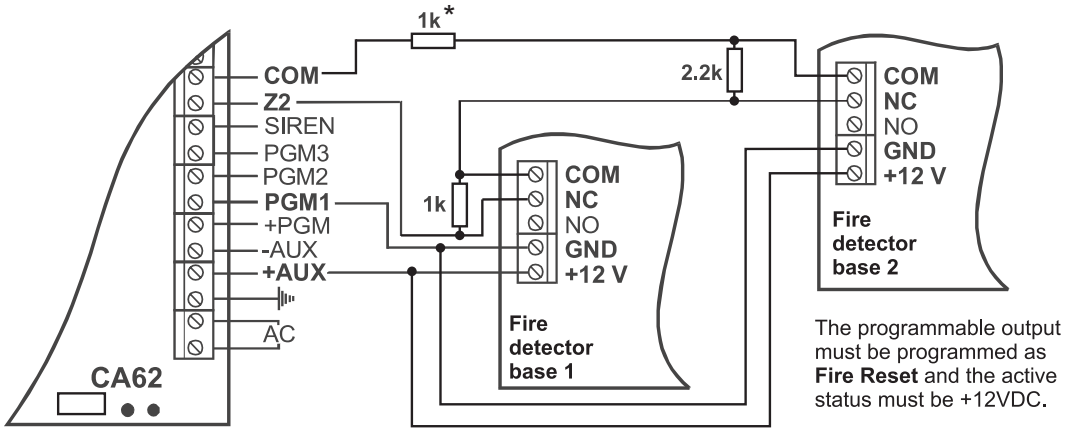


Connecting a fire detector with one balancing resistor



Connecting a fire detector with two balancing resistors

a) Connecting a fire detector with a relay in the base



* You can use also two R=510Ω (one R is connected to every fire detector), instead of one R=1k.

b) Connecting of two fire detectors to a doubling zone.

Figure 7. Connecting a fire detector to CA62 alarm control panel.

2.7 Connecting of Peripheral Devices to CA62 Alarm Control Panel

2.7.1 Connecting LED and LCD Keyboards to CA62 Alarm Control Panel

Two types of keyboards can be used to control and program the CA62 alarm panel:

- LED keyboards -models LED61, LED62, LED63VG SE
- LCD keyboards - models LCD62, LCD62B, LCD63, LCD63SE, LCD64

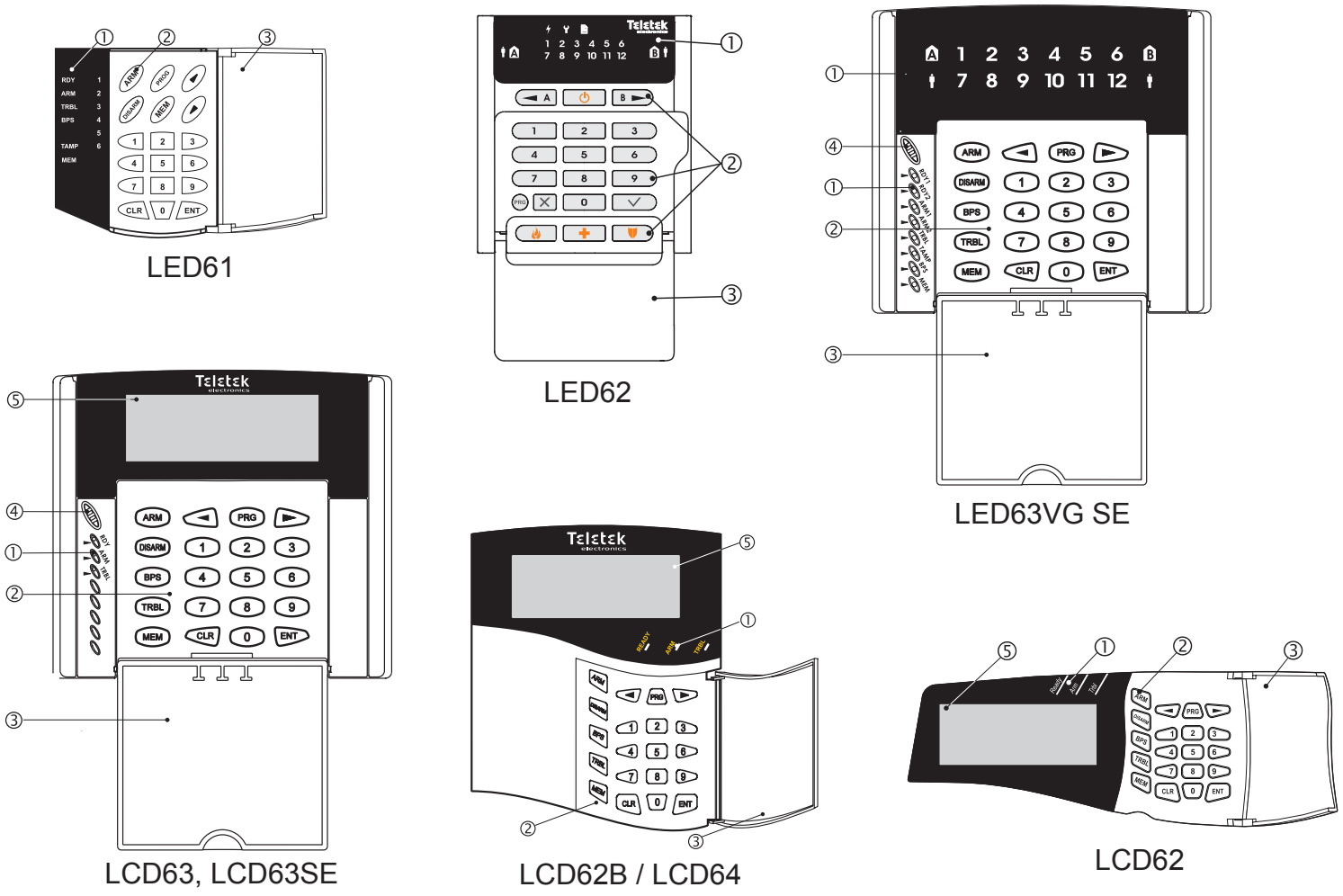


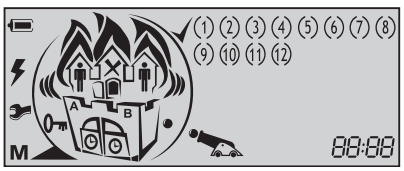
Figure 8. Basic view of LED and LCD keyboards.

Symbols to Figure 8:

①. Status LED indication.
②. Buttons for programming and controlling of CA62 control panel.
③. Protective cover (open).
④. Microphone.
⑤. LCD display.

Attention: The LCD display is different for the listed keyboard models:

Models: LCD62, LCD62B, LCD63VG



Model: LCD63SE, LCD64

For detailed description for indication and operation of all keyboard models refer to their individual manuals.

All keyboard models are factory equipped with 4 terminals for connecting to CA62 control panel and two other terminals for connecting to ZONE 1. **Note:** *At LED61 keyboard, the input for ZONE 1 is equipped with two 10-cm long wires - black and white for the bus connection. These terminals are marked with the respective colors.*

The colors must be observed when connecting the keyboards to the CA62 Control Panel (see Figure 9). ***Note:*** *The connection in the connection below is principled. Note that in some keyboards the terminals for connecting to ZONE 1 could be situated above the terminals for connecting to the control panel.*

The zone cables are white and black in color. The zone in the keyboards **HAS NOT to be balanced (except LED62 and LED63VG SE keyboards - the keyboard zone can be balanced with setting the ZONE EOL jumper, see the jumpers explanation on Figure 10b). The zone in all model keyboards HAS NOT to be programmed as double zone also.** When more than one keyboard are connected to the control panel, each keyboard have to be assigned with individual zone number - 1 or 7. Activating any keyboard zone shall be regard as an activation of ZONE 1 or ZONE 7, according the individual programming.

No more than 4 keyboards (irrespective of their type) can be connected to one control panel. Each keyboard must be assigned an individual address, by placing the jumper on the keyboard at its respective place (see Figure 10a). The individual address ensures TAMPER event identification, whenever the TAMPER switch of the respective keyboard is turned on.

The individual address of each keyboard is assigned with the help of a jumpers. Following the table (see Figure 10a) the respective address could be programmed. The individual address of each keyboard in the system can be checked at ADDRESS 7000 from the Engineer menu (see page 47).

The JT jumper must be placed where only one keyboard has been connected. Where more than one keyboards are connected, **the JT jumper should be placed on the most distant one. The JT jumper is set by default.**

The cable connecting the LED61 Keyboards to the CA62 Control Panel must be no longer than 250m and have a cross-section of no less than 0.25mm.

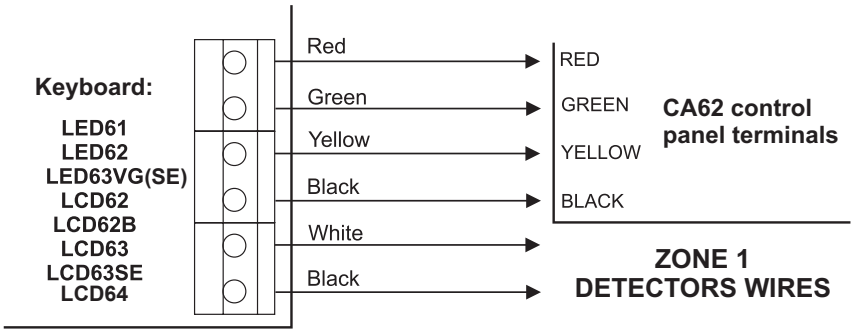


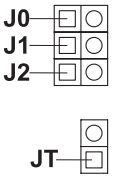
Figure 9. Connecting keyboards to CA62 control panel.

Jumper \ Address	1	2	3	4
J0	■	□	■	□
J1	■	■	□	□
J2	■	■	■	■

Legend:

□ - The jumper is removed;

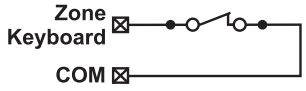
■ - The jumper is set



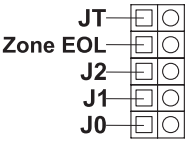
Jumper location for keyboard models: LED61, LED62, LCD62B, LCD63, LCD63SE, LCD64

NOTE: The JT jumper must be set in the most far unit in the bus.

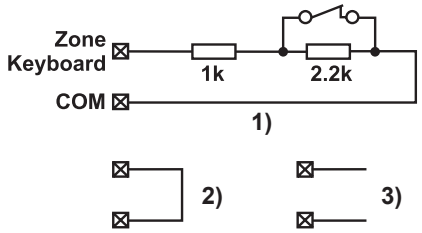
Figure 10a. Table for keyboard address programming.



The LED keyboard zone is not balanced.
The jumper Zone EOL is removed.
The zone has two states:
- *zone closed (the switch is closed)*
- *zone open (the switch is open)*



Jumper location for keyboard models: LED62 LED63VG SE



The LED keyboard zone is balanced.
The jumper Zone EOL is set.
The zone has three states:
- *zone closed (the switch is closed) - item 1*
- *zone open (the switch is open) - item 1*
- *tamper - items 2 and 3*

NOTE: The JT jumper must be set in the most far unit in the bus.

Figure 10b. Jumper location and zone balancing of LED62 and LED63VG SE keyboards.

The parameters and the functions of the buttons for each keyboard can be programmed at ADDRESSES 70xx, according to the set with jumper address of the keyboard.

2.7.2 Connecting of Proxi Reader PR62 to CA62 Alarm Control Panel

The PR62 proximity card reader was designed to control security in the systems integrated within the CA62 Control Panel. The excellent card reading distance, the triple color indications, supplemented by the sound indicator, the integrated output, as well as the fine design, all make the PR62 any attractive supplement to the security system.

The PR62 can be connected to the terminals RED, GREEN, YELLOW and BLACK of the CA62 together with the mounted keyboards. Up to two proximity readers can be included within one security system. Programming the various addresses onto the readers will provide identification by the TAMPER of each of these. The Table for Address Programming is provided on Figure 11.

The proximity-card enables to arm and disarm the system, as well as to control the electric lock (key-switch) via integrated output. The internal structure, and the permissible output currents, are provided in Fig. 11.

It is possible that only proximity-card readers be included in a system without having an installed keyboard. In such systems this would hinder current programming of parameters and cards, as well as Log Review and Technical Trouble indications. Portable LED or LCD type keyboards can be used to accomplish such tasks.

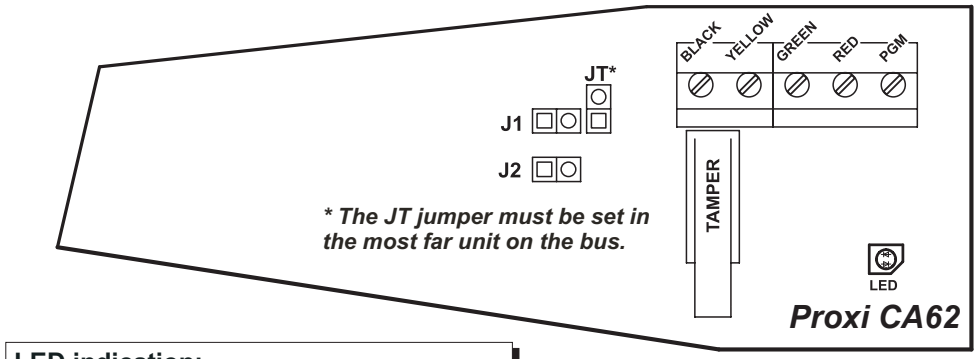
Up to 24 cards can be assigned to one security system - one card for each of the 20 users and 4 cards for the Managers in the system.

The Managers in the system are allowed to program the performance of the cards.

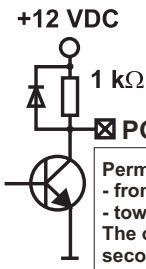
Arming and/or disarming rights must be assigned for the respective user code.

The user may not be designated a code combination. In such case the only means to control the security system would be the proximity-card.

The parameters of the proximity card readers in the system can be programmed at ADDRESSES 71xx, according to the set with jumper address of the proxi reader.

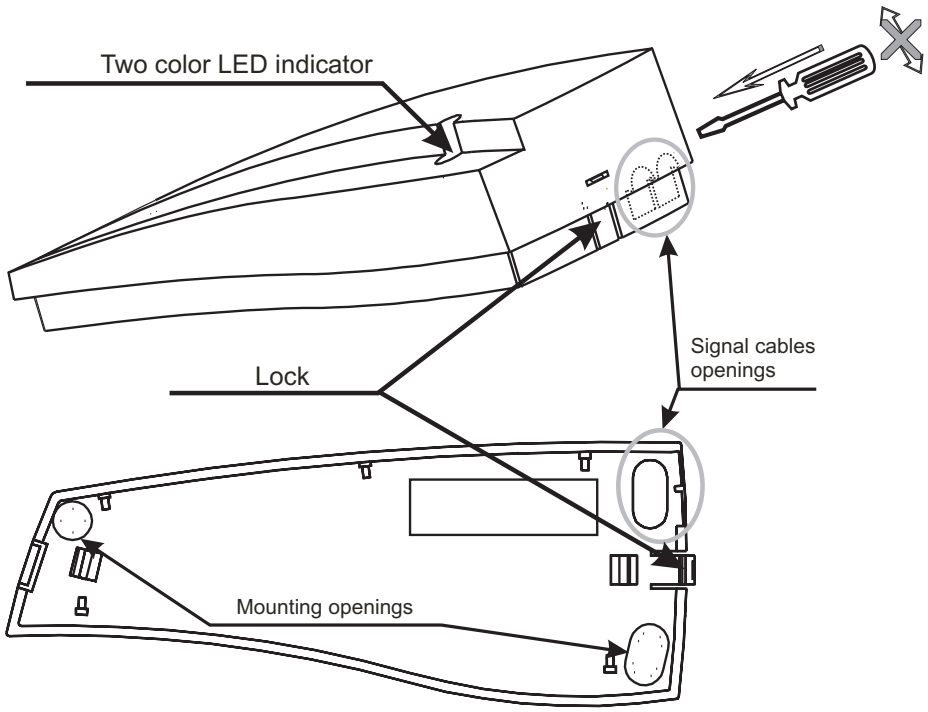


Internal structure of built-in PGM



Permissable currents:
- from +12 V - up to 10 mA
- towards GND - up to 100 mA
The output activates for 2 seconds after the recognised card is drown back.

LED indication:
- green - the card is recognized or required action is done,
- red - the card is not recognized or required action is rejected,
- yellow (LED blinks) - ready.



Setting the address of PR62

Address / Jumper	1	2
J1	■	■
J2	■	□

Legend: □ - The jumper is removed;
■ - The jumper is set

Figure 11. PR62 Proximity card reader installation and connection diagram.

2.8 Using of PGM1, PGM2 and PGM3 Programmable Outputs

The CA62 Alarm panel PGM1, PGM2 and PGM3 outputs have a programmable active level. This allows them to be used to transmit control signals towards external devices (e.g. a block siren input) or to directly control low-powered external devices (e.g. relays, LED, etc.).

The internal structure of all PGMs is the same and is shown on Figure 12 a).

Figure 12 b) shows the connection of the relay and a light-emitting diode to the PGM. The active level of this connection is low.

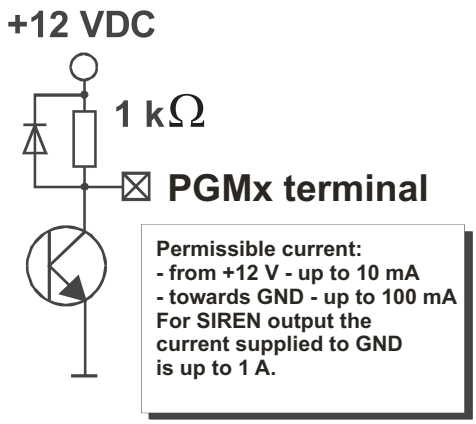


Figure12. a) Internal structure of programmable PGMx output

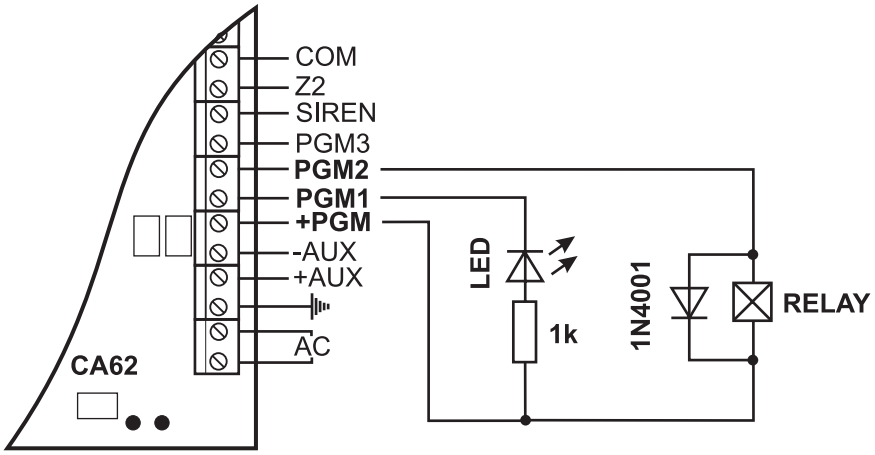


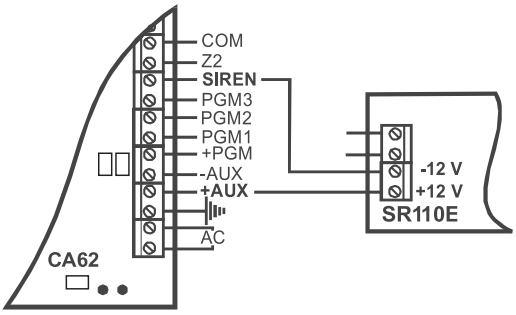
Figure12. b) Controlling light-emitting diode and relay using PGM1 and PGM2 outputs

2.9 Using SIREN Programmable Output (PGM4)

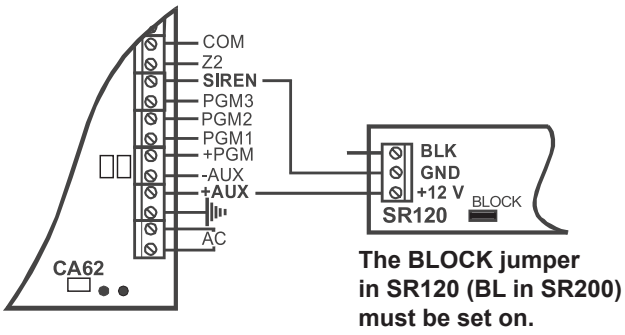
The CA62 Alarm panel SIREN output has a programmable active level. With the ***default configuration*** the output is with SIREN and POLARITY set attributes, which can be programmed at ADDRESS 3041. The output is activated in case of alarm event in the system.

The internal structure is identical to the one shown in Figure 12 a) and we should point out that the transmitter can pass through to GND electricity of up to 1 A.

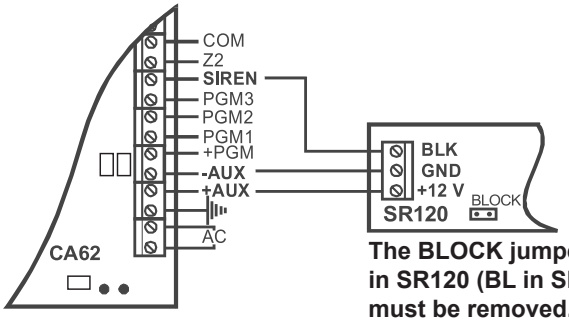
Figure 7 shows how to connect SR110, SR120, SR200 and SR300 sirens using the SIREN output.

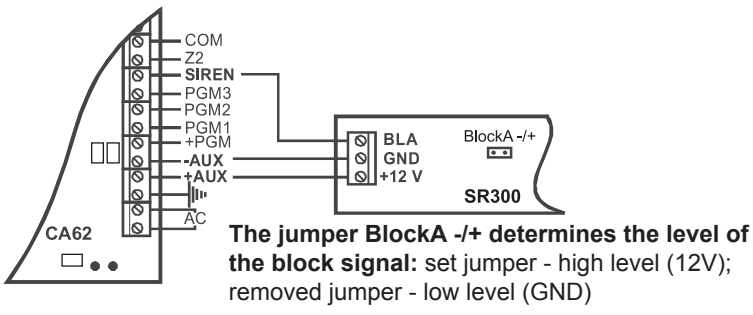


a) Connecting SR110 using a double-wire



b) Connecting SR120/SR200 using a double-wire





c) Connecting SR120/SR200/SR300 using triple-wire.

Figure 13. Controlling sirens using SIREN output.

2.10 Connecting the CA62 Built-in Digital Communicator

The telephone line is connected to A and B terminals on the CA62 Control Panel with no requirements to observe polarity (Figure 14). The telephone device is connected to A1 and B1 terminals on the CA62 Control Panel with no requirements to observe polarity (Figure 14). The parameters of the digital communicator are engineer programmed. It is not necessary to install additional components if the built-in communicator is not to be used.

You can test the Built-in Digital Communicator working efficiency at ADDRESS 0023 described on page 23.

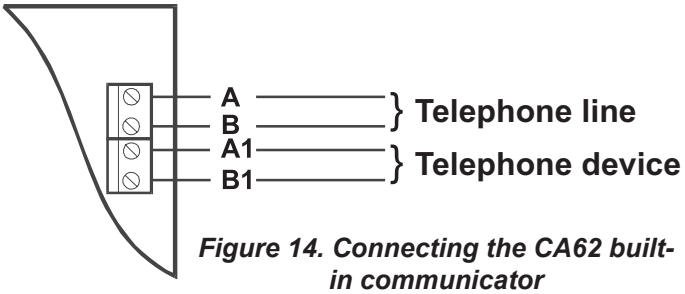


Figure 14. Connecting the CA62 built-in communicator

2.11 Installing of VD60 voice dialer to CA62 Alarm Control Panel

The “VD60” Voice Telephone Dialer module supplements the CA62 Alarm Control Panel, which serves to transmit alarm event messages to the user, under the form of eight pre-recorded voice messages, of up to 4 sec. each. Two message types are supported - by zone or by event (see description of ADDRESS 6035).

Turn off the power supply in order to connect the PCB of the voice telephone dialer to the EXPAND socket of the CA62 Control Panel (1). Fix the PCB onto the pre-mounted plastic spacers (2). The telephone line should be connected to terminals A and B of the CA62 Control Panel. Polarity need not be observed.

The telephone device can be connected to terminals A1 and B1 of the CA62 Control Panel with no need of observing polarity.

The voice dialer can simultaneously operate with the built-in digital communicator.

The dialer has one LED status indicator - PLAY/RECORD and BUSY, and one single digit LED display indicating the number of the current message. Use the MSG key to switch-over between messages. Use the PLAY key to reproduce messages when the REC jumper is turned off, or to record when it is turned on. *You can record voice messages at ADDRESS 6030, as use the detailed working algorithm described at APPENDIX E.* A speaker (8-16 ohms) for listening to recorded messages can be connected to the SP socket.

The voice dialer parameters can be programmed in the engineering menu at ADDRESSES 603x.

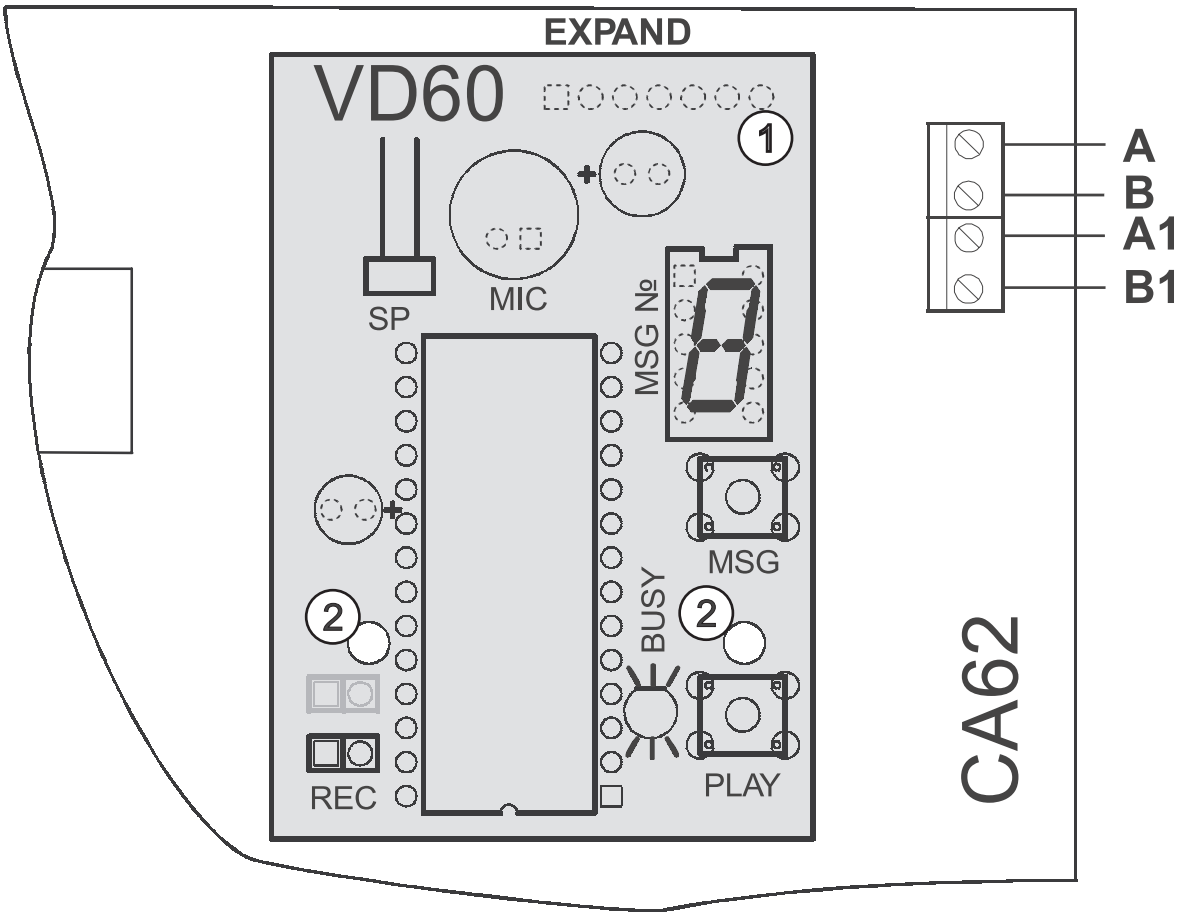
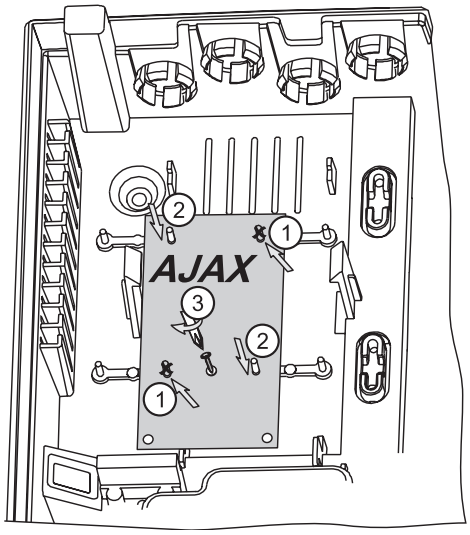


Figure 15. Installing the VD60 Voice Telephone Dialer.

2.12 *Installing of AJAX LAN Module in CA62 Alarm Control Panel*

AJAX Module is an additional accessory for built-in installation in CA62 or any other security or fire control system. It transmits the system status to Monitoring centre or to the User via Internet. The AJAX module enables easy monitoring and transmitting of alarm events occurring in the security system to existing Monitoring centre using standard monitoring software.

For more information please refer to the distributor of this equipment.

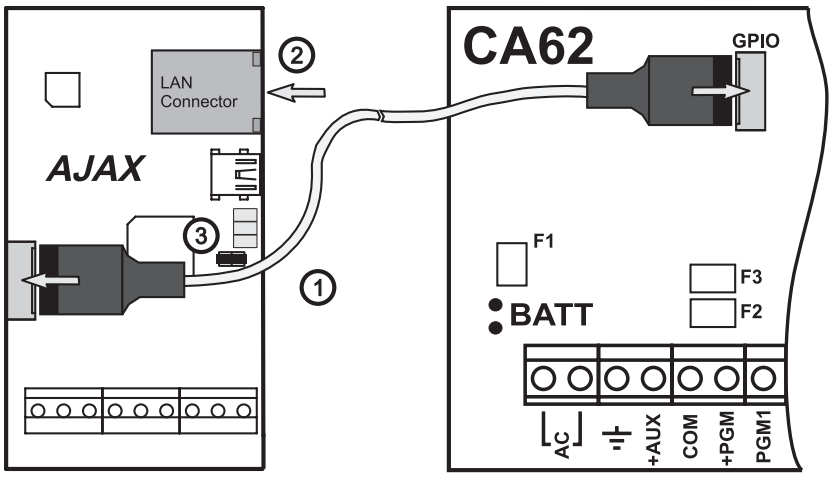


For the installation of AJAX LAN module in the CA62 universal plastic box refer to sequence shown in Figure 16 as follow the steps:

① - Break off the pins from the plastic box.
② - Fix the mounting holes to the respective pins and carefully push down.
③ - Fix the module to the plastic box with the screw from the spare parts kit.

Figure 16. Installing of AJAX LAN Module.

ATTENTION: The connecting between AJAX LAN module and CA62 alarm control panel MUST BE done only with power supply OFF and set RESET jumper on the AJAX module!



For the connection between AJAX LAN module and CA62 alarm control panel refer to Figure 17, as follow the steps:
① - With **Power supply OFF**, connect the AJAX module to the CA62 by means the interface cable (*Note: the interface cable is not included in the spare parts kit for CA62.*)
② - Connect LAN cable for Internet connection.
③ - Place a reset jumper.
④ - Turn the Power supply ON and wait for 5 seconds in order to configure and to obtain the default factory parameters.
⑤ - Remove the RESET jumper.

Figure 17. Connecting of AJAX LAN module to CA62.

2.13 *Connecting of UWE432 Universal Wireless Expander to CA62 Alarm Control Panel*

UWE432 is a universal device for expanding existing wired alarm security systems. UWE432 communicates by means of two-way radio connection with the AVA series wireless devices. The UWE432 supports up to 32 AVA series wireless devices. **Attention: The panel should be programmed to operate in double zone connection mode (at addresses 20x6, x - from 2 to 7, "4. Doubling" parameter is set). It is obligatory to set a jumper on connector MODE at UWE432 main board!**

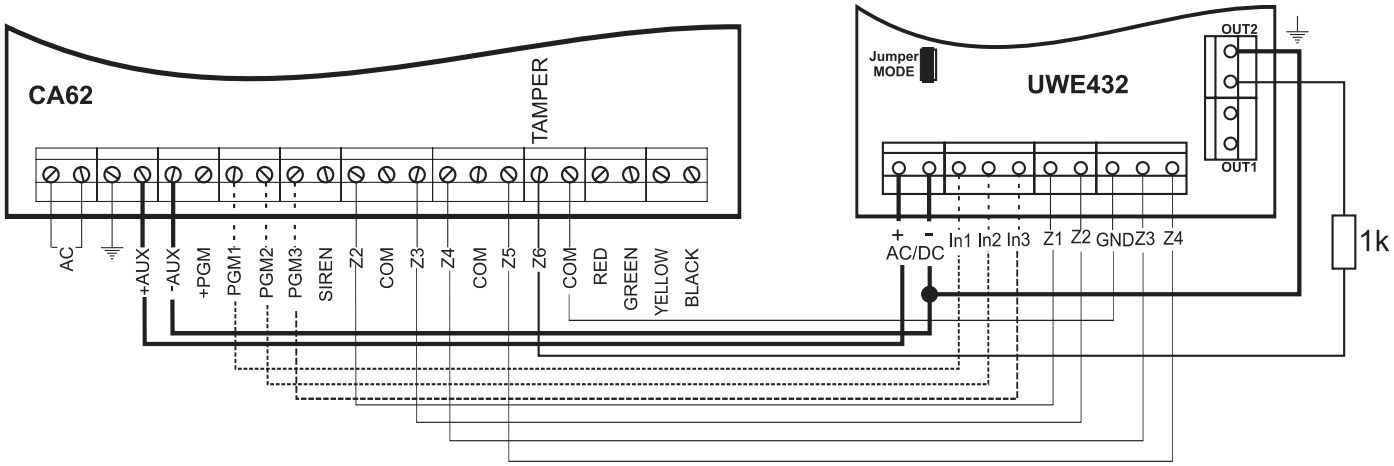


Figure 18. Connecting UWE432 universal expander to CA62 alarm control panel.

In1 *- Input for resetting wireless fire detectors (time for reset ≥ 2 seconds), the active state towards GND is 0V;* ***In2*** *- Input for wireless siren control (time for reset ≥ 2 seconds), the active state towards GND is 0V;* ***In3*** *- Used only in case RC102TE remote control is enrolled to UWE432 receiver module; this is an input for monitoring of the control panel status;* ***Out1*** *- Relay output (NO) for Low Battery and Lost Device state of wireless devices;* ***Out2*** *- Relay output (NC) for TAMPER state of wireless devices and the UWE432 box; Connect to a TAMPER type zone of the control panel.*

More information about UWE432 functions and programming you can find in its installation instructions.

2.14 *Powering up the CA62 Alarm Control Panel*

The system should be powered-up only after it is installed and all necessary devices have been connected - control panel, keyboard, detectors, etc.

Follow the next installation procedure when power-up the CA62 system for the first time:

➢ **Set the JPRG jumper** (Figure 5) on CA62 control panel, in order to configure the control panel default parameters (the factory settings).

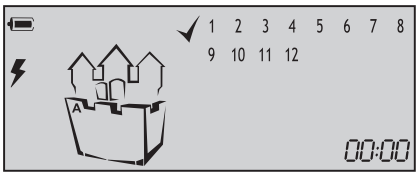
ATTENTION: The CA62 alarm control pane supports 4 different default configurations. With every full hardware system reset (jumper JPRG is set) the parameters for default configuration 0 will be set. The special of the default configuration 0 is that all zones in the system are disabled (the *0.Unused* type is set for all), the zone balancing is with one resistor in the circuit and so on. For details for settings of the default system configuration 0, see SECTION 2 - Programming.

➢ **Supply 220V mains power.** The keyboard emits a short sound signal or series of short beeps according the used model. In case of a LED keyboard the light-emitting diodes on the display blink. When a LCD keyboard is used the display will light up in blue or orange.

➢ **Remove the JPRG jumper.** In normal operation mode - all detectors in the security system are inactive and there are no violated anti-TAMPER chains - the RDY LED lights up in green. The station now has been programmed with the default configuration 0.

If you operate with LCD keyboard the display is looking different according the model:

Models: LCD62, LCD62B, LCD63



Model: LCD63SE LCD64

➢ **Use the red (+) and black (-) cables to connect the battery to the station**.

All light-emitting diodes will blink and a sound signal will be heard where the keyboard is open or incorrectly connected. Where there is an open zone or an open TAMPER for any zone, the LED for the respective zone (*at LCD keyboards the zone number is enclosed in brackets*) together with the MEMORY or TAMPER LEDs on the display will light up (*at LCD keyboards lights up TRBL LED and symbol "wrench" is blinking*).

ATTENTION! An open anti-sabotage chain (TAMPER) in the security system will sound the siren. To stop the siren enter Manager code 0000. The respective zone LED remains permanently lit whereas the TAMPER LED will blink. Remove the failure - the TAMPER LED remains permanently lit. Enter code 0000 again to clear the alarm event from the memory.

2.14.1 Technical Trouble Indication

Any technical trouble in the panel will light up the Trouble indicator (blinking TRBL LED and/ or symbol “wrench” according of the keyboard model). To view these problems enter the 0000 manager code and single-press ENTER. The display will indicate a list of current problems. The indications and their meaning are shown in the table below:

LED Keyboard LED lighting up	**LCD Keyboard** Digit enclosed in brackets	**Technical trouble** (LED or symbol is blinking)
❶	(1)	No 220 V power supply
❷	(2)	Battery low
❸	(3)	Fuse burned
❹	(4)	No telephone line
❺	(5)	No communication available
❻	(6)	Active TAMPER within the system

Trouble mode indication (Technical Trouble)

SECTION 2: PROGRAMMING

Programming the Software Parameters of CA62 Alarm Control Panel

The system can operate with 4 or 6 digit codes. If a 6 digit code is set at ADDRESS 1001 at the end of every valid code an extension "00" is automatically added. Next a new 6 digit code combination can be programmed.
The respective parameters can be configured from a LED or LCD keyboard or remotely by means of connected to the system a personal computer via a telephone using the ProsTE Software.

Symbols used in this manual

For more clear presentation of the programming with the two types (LED and LCD) keyboards and for easy performance of the information in this manual, the following symbols for indicating of active (enabled) and inactive (disabled) parameters in the engineering programming menus are used:

Indicator	Parameter state	LED	LCD
ZONES	Active (enabled parameter)	❶ - Lights on	(1) - Number enclosed in brackets
	Inactive (disabled parameter)	① - Lights off	1 - Number without brackets

Keyboard programming

Entering the system engineer code will initiate the CA62 Alarm System programming mode for the engineer parameters. After restoring the default parameters (system RESET) the engineer code will remain 7777.

When you enter the engineer programming menu the indication of the used keyboards will be as follows:

- **LED Keyboards** - the LEDs RDY (green), ARM (red), TRBL (yellow) and BPS (red) are blinking together. At LED62 keyboard the symbols “lighting”, “wrench” and “sheet” are blinking together.
- **LCD Keyboards** - the LEDs RDY (green), ARM (red) and TRBL (yellow) are blinking together. The ***READY*** symbol blinks together with symbol 0. At LCD63SE keyboard the symbol ✓ is blinking, and at the middle tower of the castle the symbol ✕ is steady.

At LCD type keyboards, after entering engineer programming mode the symbol 0 starts blinking at the place of the clock. Every entered digit of the ADDRESS stop blinking and stays steady, the symbol 0 next to it will be continue blinking, which means, that the system is waiting for entering the next digit of the 4 digit ADDRESS.
After entering 4 digit number of a valid ADDRESS a confirmation sound signal will be heard.
After entering of a 4 digit ADDRESS the engineer can program the respective system parameter. Use the provided in this section tables with detailed descriptions of all available ADDRESSES in the system. You can use also the tables in SUPPLEMENT A for quick reference. All entered parameters have to be confirmed with pressing the **ENT** button. When reviewing the programmed parameters it is recommended to exit any given address by single pressing the CLEAR button. This function will leave the introduced parameters unchanged. In case the programmer is disoriented in the engineer menu, it is recommended to exit the menu by double clicking the CLEAR button and to begin programming the station parameters from the start.

ATTENTION: The CA62 Alarm System engineer parameters programming mode can begin only when the system is in disarmed mode! When there are several (up to 4) keyboards connected to the control panel in the system you can program parameters only from this one where the engineer code has been entered. The indication of all other keyboards will show that the system is in engineer programming mode, but you can not program parameters with them.

How to read the information in the tables below:

ADDRESS Number → Name of the programming menu ↓ Description of the programming menu

ADDRESS 0001 - HARDWARE RESET ENABLE		
Reset Enable	Disables or enables the hardware RESET of the alarm station. **Specialized service is required where the hardware RESET is disabled and the engineer code is obscure.** The parameter status can be changed with pressing of random button of the keyboard.	
NO	The hardware RESET is disabled.	***Indication*** — **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
YES	The hardware RESET is enabled.	***Indication*** — **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default settings - *YES*		

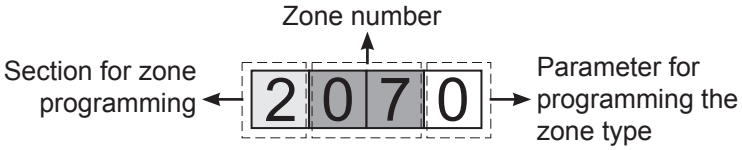
Programming menu parameters

Default configuration settings for that programming menu

For easy finding the information in the programming tables, the ADDRESSES are organized in 7 separate sections:

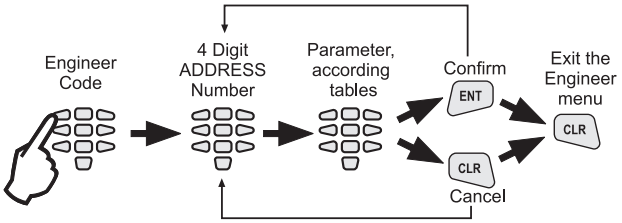
- ***The first digit*** of the ADDRESS structure describes:
  - 0 - Programming the engineer and common system parameters;
  - 1 - Programming the access codes in the system;
  - 2 - Programming the zone parameters in the system;
  - 3 - Programming the PGM outputs in the system;
  - 4 - Programming the partitions in the system;
  - 6 - Programming the parameters of the communication devices in the system;
  - 7 - Programming the parameters of the peripheral devices in the system.
- ***The second and the third digit*** in the ADDRESS structure logically separate the unit number for every section - for example 01, 02 and so on are zone numbers. The same principle is right for the sections for programming the parameters of access codes, zones, PGM outputs, partitions, communication and peripheral devices in the system.
- ***The forth digit*** in the ADDRESS structure is the number of a parameter for a specific system resurse.

Example for ADDRESS structure reading:



Besides the information for activating and deactivating of the system parameters, for some menus are shown and concrete examples for the status and indication of the LCD keyboards.

Basic sequence in operation when programming the Engineer menu:



Remote programming of CA62

To access a ProsTE software program system requires an ID number and a station ID number. After restoring the default parameters these numbers will be the same and are 1234. In order to provide access to the system from the central station enter the correct number of the central station at **ADDRESS 6901** (PC ID).

A 24-hour period automatically begins after default parameters are restored during which the UDL communication with the system is enabled even when the "ring number" parameter is zeroed at **ADDRESS 6904** (with set 0 number, the UDL communication will starts after receiving of 7 rings). After the initial 24-hour period, the UDL communication with the system will enabled only if the "ring number" parameter set at **ADDRESS 6904** is different from zero.

If during the 24-hour period the system is power off (together the main power supply and the battery), at the next power on the started already 24-hour period will be disabled and the UDL communication will be enabled only if the "ring number" parameter set at **ADDRESS 6904** is different from zero.

If during the 24-hour period the engineer enters the **ADDRESS 6903** and exit it by pressing the **ENT** button (with confirmation), then the 24-hour time period and this case will be disabled.

Detailed working instructions for the ProsTE software program are provided in the built-in Help files. The connection between the local computer and the CA62 control panel is via a specialized module (the module is not included in the CA62 equipment and is sold as a separate product.)

The details listed in this manual apply to all parameters for remote system programming.

Programming of Default Configurations in the CA62 Alarm Control Panel

The system supports 4 separate default configurations with set parameters. Enter a number of default configuration (0-3) at **ADDRESS 1000** in the engineer programming menu - see item *1. User and Manager Codes Programming*. At *SUPPLEMENT B* are shown examples for using the default configurations in the system.

ATTENTION: With realizing full hardware reset, in the system automatically will be set the *default configuration 0* parameters!
The default configuration 0 parameters are described in details in Table 1 (*SUPPLEMENT A*) and they are described in ADDRESSES tables below.

0. ENGINEER PARAMETERS AND COMMON SETTINGS

ADDRESS 0000 - CHANGING THE ENGINEER CODE	
Engineer code	A new access code to the alarm station engineer parameters can be assigned at this address. *Note: If the 6-digit long access code is set, the combination "00" automatically will be added at the end of all valid codes in the system (see also the description of ADDRESS 1001).* ***Indication*** **LED** ① ② ❸ ❹ ❺ ❻ / **LCD** 1 2 (3) (4) (5) (6) The light-emitting diodes 3, 4, 5 and 6 on the keypad display light up. These go out one by one as the new code is entered. The new code has to be entered a second time.
Default settings - *7777*	

ADDRESS 0001 - HARDWARE RESET ENABLE		
Reset Enable	Disables or enables the hardware RESET of the alarm station. **Specialized service is required where the hardware RESET is disabled and the engineer code is obscure.** The parameter status can be changed with pressing of random button of the keyboard.	
NO	The hardware RESET is disabled.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
YES	The hardware RESET is enabled.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default configuration - *YES*		

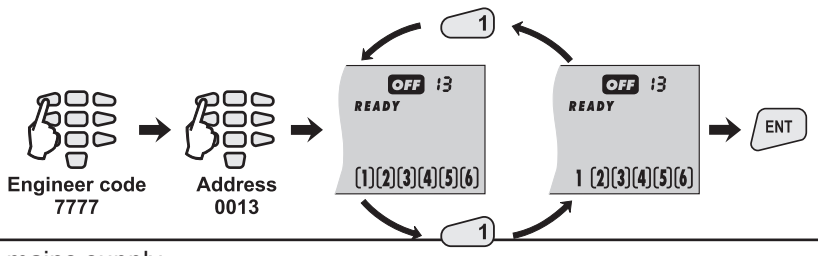
ADDRESS 0002 - RESTORING DEFAULT PARAMETERS (SOFTWARE RESET)	
Default settings	Restoration of default settings of the station. The buttons 1, 2, 3, 4, 5, 6 are pressed in succession and confirmed with the ENTER button.

ADDRESS 0003 - RESTORING DEFAULT MANAGER CODE (PARTIAL SOFTWARE RESET)	
Partial reset	Restoration of the default manager code. Buttons 1, 2, 3, 4, 5, 6 are pressed in succession and confirmed with the ENTER button. The station restores the default 0000 manager user code.

ADDRESS 0010 - AUTHORITY TO ARM USING A ONE PUSH-BUTTON (QUICK ARM)		
Quick ARM Enable	A quick Arming mode using one button, without need to enter a valid user code is assigned at this address. The assigning can be done for PARTITION A, PARTITION B or for both partitions. The parameter is activated with pressing a digit number corresponding to the partition number - 1 for PARTITION A and 2 for PARTITION B. Next pressing of the button will deactivate the parameter.	
PARTITION A	Quick Arming of PARTITION A without legal user code.	***Indication*** **LED** ❶ ② ③ ④ ⑤ ⑥ / **LCD** (1) 2 3 4 5 6
PARTITION B	Quick Arming of PARTITION B without legal user code.	***Indication*** **LED** ① ❷ ③ ④ ⑤ ⑥ / **LCD** 1 (2) 3 4 5 6
Default configuration - *PARTITION A, PARTITION B*		

ADDRESS 0011 - AUTHORITY CODE DURING AMBUSH (AMBUSH CODE)		
Ambush Code	Enabling/ Disabling the ambush code in the system. The parameter status can be changed with pressing of random button of the keyboard.	
NO	Disabled ambush code.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
YES	Enabled ambush code. The code is made up by adding 1 to a legal user code. There is no carrying over for codes ending in the figure 9. For example, the ambush code for 1234 is 1235, and for 9999 it is 9990.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default settings - *NO*		

ADDRESS 0012 - ENABLED KEYBOARD BLOCKING IN CASE OF ACCESS CODE ERROR		
Enable keypad block	Enabling/ Disabling blocking the keyboards buttons in case of wrong code entry. The parameter status can be changed with pressing of random button of the keyboard.	
NO	No keyboard blocking in case of wrong code entry.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
YES	The keyboard buttons will be blocked for 30 sec. if three wrong codes are entered in sequence - for 30 seconds the keyboard buttons are disabled, and a continuous sound signal is heard.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default settings - *NO*		

ADDRESS 0013 - TECHNICAL TROUBLE INDICATION MASK	
Trouble mask	The mask for sound indication (two short beeps in every 20 seconds) from the keyboard in Technical Trouble mode is assigned at this address. The trouble indication mask is enabling with pressing a button with the respective number from 1 to 6 - *see item 2.14.1 for the trouble indication in the system.* Pressing the button with the same number again will disable the trouble indication mask for the respective technical problem. Only those LEDs whose numbers correspond to technical problems for which sound indications are available will light up on the display at the end of the procedure. The set parameters are confirmed with pressing the ENT button. The procedure for enabling/ disabling the trouble mask indication are the same for all types and models CA62 keyboards. *Example for disabling a trouble indication mask using LCD62 keyboard:* 
1. AC Loss	Loss of 220 V mains supply.
2. BATT Low	Drop in battery charge, no battery or burnt out F1 battery fuse.
3. Blown Fuse	Burnt out PGM fuse.
4. No Tel. line	Loss of telephone line.
5. COMM Error	Central station communication failure.
6. TAMPER	Activated TAMPER within the system.
Default settings - *AC Loss, BATT Low, Blown Fuse, No Tel. Line, COMM Error, TAMPER*	

ADDRESS 0014 - 220 V AC POWER SUPPLY FAILURE INDICATION		
220 V AC failure	Enabling / Disabling for the programming of time delay indication in case of 220 V AC power supply failure. The time delay is in the range 0 - 180 min and is set on address 0018. The parameter status can be changed with pressing of random button of the keyboard. **** The time delay set is valid for soft. rev. 4.3 and higher. If the soft. rev. of your control panel is 4.2 or lower, "YES" parameter sets 30 min time delay for power supply failure indication.***	
NO	**Instant indication** for 220 V AC power supply failure displayed on keyboards and message transmission via digital communicator.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ — **LCD** 1 2 3 4 5 6
YES	**Enable time delay indication** for 220 V AC power supply failure displayed on keyboards and message transmission via digital communicator. The time delay is in the range 0 - 180 min and is set on address 0018.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ — **LCD** (1) (2) (3) (4) (5) (6)
Default settings - *NO*		

ADDRESS 0015 - TELEPHONE LINE FAILURE INDICATION DELAY	
Line fault delay	A delay of 0 to 99 minutes is set prior to indication of a telephone line failure (MM). The indication has a hexadecimal expression - see ***SUPPLEMENT C***. Two digits are entered. When a period is less than 10 minutes the first digit introduced must be 0.
Default settings - *00*	

ADDRESS 0016 - BELL ON TELEPHONE LINE FAULT IN ARM MODE		
Bell on Tel. Line Fault	Enabling/ Disabling of sound signalization for telephone line fault, when the system is in ARM mode - SIREN output is activated for the bell time of the sirens. It is possible the signalization to be activated separately only for PARTITION A, only for PARTITION B, or for both of them for the same time. The parameter status can be changed with pressing of random button of the keyboard.	
NO	The sound signalization for telephone line fault in ARM mode is disabled.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ — **LCD** 1 2 3 4 5 6
YES	The sound signalization for telephone line fault in ARM mode is enabled. In case of telephone line fault in Partition A, Partition B, or in both of them the sound signalization is on if the system is in ARM mode. *In the example the* ***Bell on Tel.Line Fault*** *parameter is enabled for both Partitions A and B.*	***Indication*** **LED** ❶ ❷ ③ ④ ⑤ ⑥ — **LCD** (1) (2) 3 4 5 6
Default settings - *NO*		

ADDRESS 0017 - TAMPER ALARM SIGNAL		
TAMPER Alarm signal	Programming of audible TAMPER event (a zone TAMPER type or physical tamper-switch is open) when the system is disarmed. Programming this address will not affect the TAMPER signal when the system is in armed mode. Programming this address will affect the performance of the programmable outputs type SIREN, ALARM and TAMPER; the LED and sound indication of the keyboards and the digital communicator when the system is disarmed. Every pressing of a digital button alternatively changes the enabled / disabled status. The display indication is shown in the table.	
AUDIBLE Tamper	In case of TAMPER event in the system: - The LED indication and the internal buzzer of the keyboards are activated; - An alarm signal activated (activation of outputs type ALARM, SIREN and TAMPER); - An alarm message is send to monitoring station.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ — **LCD** (1) (2) (3) (4) (5) (6)

SILENT Tamper	In case of TAMPER event in the system: - The LED indication and the internal buzzer of the keyboards are activated; - Output TAMPER type is activated (no alarm signal from outputs ALARM and SIREN type); - No alarm message is sent to monitoring station.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
Default settings - *AUDIBLE Tamper*		

ADDRESS 0018 - TIME DELAY INDICATION FOR 220 V AC POWER SUPPLY FAILURE	
Time delay indication for 220 V AC power supply failure	A time delay indication for 220 V AC power supply failure is set on this address. The time delay is in the range 0 - 180 min. The installer sets a two-digit number from 00 to 18, as every digit corresponds to 10 minutes interval. ***Note: You can program the time delay only when the "YES" parameter is set on address 0014.*** *Example: For 10 minutes time delay set 01; for 20 minutes time delay set 02; for 30 minutes - 03; for 120 minutes - 12, etc.*
Default settings - *3 (30 minutes)*	

ADDRESS 0020 - TEST FOR PROPER ZONE OPERATION (WALK TEST)	
Walk Test	Enables functional test of zones. The respective light-emitting diode (LED keyboard) or a number of a zone (LCD keyboard), blinks while the zone is activated (open) in this mode. During the test every zone activation is accompanied with "Chime" sound signal and with continuous sound for "reject" - open TAMPER zone. As long as there is an open tamper zone its respective number remains active - permanently lit LED (LED keyboard) or enclosed in brackets (LCD keyboard).

ADDRESS 0021 - KEYBOARD TEST	
Keyboard test	Checks the serviceability of the keypad light-emitting diodes and buzzer.

ADDRESS 0022 - PGM1, PGM2, PGM3 and SIREN (PGM4) PANEL PROGRAMMABLE OUTPUT TEST		
Output test: **1 PGM1** **2 PGM2** **3 PGM3** **4 SIREN (PGM 4)**	Serviceability tests of programmable outputs is carried out by pressing a numbered button which corresponds to the programmable output. The respective number on the LED or LCD display is activated and the output passes into a low level - 0V. Pressing the button with the corresponding number a second time renders the output into a high level - 12V.	***Indication*** **LED** ❶ ❷ ③ ❹ ⑤ ⑥ / **LCD** (1) (2) 3 (4) 5 6 *Example: To the outputs PGM1, PGM2 and SIREN is set a low level - 0V. To the output PGM3 is set a high level - 12V.*

ADDRESS 0023 - DISPLAY COMMUNICATOR	
Display communicator	The performance of the communicator can be directly monitored at this address. *Note: Before starting the monitoring of the communicator performance you have to enter a telephone number at* ***ADDRESS 6010.*** The ARM button causes test transmission from the communicator to the central station and from the voice dialer to assigned telephone numbers. The 0 button aborts any running communication and deletes the queue of events to be sent. The meaning of the symbols is given below, as the "active state" means permanent lighting of the LEDs (LED keyboard) or enclosed in brackets number (LCD keyboard). After communication has been successfully completed the keyboard emits a sound signal. The CLEAR button exits **ADDRESS 0023**.
1: Dial Tone	• LED blinks / ( ) at LCD - searching for a “dial” free tel. line • active state /❶ or (1)/ - a “dial” signal has been identified
2: Dialing	• LED blinks / ( ) at LCD - dialing the telephone number • active state /❷ or (2)/ - telephone number has been dialed
3: Wait HS (handshake)	• LED blinks / ( ) at LCD - expecting a HAND SHAKE from central station • active state /❸ or (3)/ - the necessary handshake signal has been identified
4: Send data	• LED blinks / ( ) at LCD - transmitting data to central station • active state /❹ or (4)/ - the current data has been transmitted

5: Wait "kiss-off"	• LED blinks / ( ) at LCD - expecting confirmation from central station • active state /❺ or (5)/ - transmitted data has been successfully received
6: All sent	• active state /❻ or (6)/ - communication process has been completed and all data has been successfully transmitted to the central station

ADDRESS 0024 - DISPLAY LOG EVENTS	
Display LOG	The events recorded in the power independent memory of the station can be traced with the help of the arrows. The first event which is visualized is the last recorded. ***Viewing the LOG with a LED keyboard*** The indication has a hexadecimal expression - see ***SUPPLEMENT C.*** ***Viewing the LOG with a LCD keyboard*** Use the 1, 2 and 3 buttons to view, as follows: - Button 1 - Displays information for the event time; - Button 2 - Displays information for the event time; - Button 3 - Displays information for the LOG code. See *SUPPLEMENT C* for detailed description of ***Coding recordings in log events.***

ADDRESS 0025 - DISPLAY UDL PROCESS	
UDL/ Direct UDL	The Up / Down Load process can be directly monitored at this address. A single click on the 0 button aborts current communication. A single click on the AND button can start manual communication. This will ignore the counter for incoming calls and will directly proceed on to step 2. The meaning of the symbols is given below, as the "active state" means permanent lighting of the LEDs (LED keyboard) or enclosed in brackets number (LCD keyboard). The CLEAR button exits **ADDRESS 0025**.
1: Ring	• LED blinks / ( ) at LCD - each blink indicates one received call • active state /❶ or (1)/ - the number of designated at **ADDRESS 6904** calls have been received
2: Call back	• LED blinks / ( ) at LCD - a CALL BACK process • active state /❷ or (2)/ - CALL BACK completed
3: Currier	• LED blinks / ( ) at LCD - process of detecting a carrier • active state /❸ or (3)/ - established connection to PC
4: Receive	• LED blinks / ( ) at LCD - receiving data from central station • active state /❹ or (4)/ - data pack received
5: Transmit	• LED blinks / ( ) at LCD - transmitting data to central station • active state /❺ or (5)/ - data pack transmitted
6: End	• active state /❻ or (6)/ - up / down loading completed

ADDRESS 0026 - DIGITAL COMMUNICATOR HARDWARE TEST	
Comm. HW test	A step by step test of the hardware of the digital communicator can be done at this address. A light-emitting diode on the keypad lights up to visualize every step. There is no time limitation for the steps. ***!During the test the digital communicator is blocked and disabled!*** The first step of the digital communicator hardware test automatically begins after **ADDRESS 0026** is entered. Transition between the various steps can be accomplished with the respective digital buttons 1 to 5 or with the help of the arrows. The light-emitting diodes or enclosed in brackets number, indicate the number of the current step:
1: Relay	The built-in relay is activated at this step. As a result the telephone line, connected to terminals A and B, is discontinued from terminals A1 and B1, where the local telephone device or some other apparatus using the telephone line, should be connected. During this step the telephone line voltage should be measured at terminals A and B (to read usually between 40 and 60 V DC) and at terminals A1 and B1 (to read 0 V DC).

2: Dial tone	The digital communicator has engaged the telephone line here. The voltage measured at terminals A and B should read between 7.5 V DC and 10.5 V DC. At the same time the built-in Dial Tone Detector is also activated - a detector for the DIAL signal. Every time when the communicator identifies a dial tone signal, a beep sound from the keyboard will be heard.
3: Low freq.	The digital communicator attributes low frequency to the telephone line.
4: High freq.	The digital communicator attributes high frequency to the telephone line.
5: DTMF	The digital communicator attributes a DTMF signal.

ADDRESS 0030 - SETTING THE BUILT-IN CLOCK	
Setting the clock	The hours and minutes are set (HH:MM). At LED keyboards the indication is hexadecimal and the digits are displayed one by one. To view the clock, the digits can be browsed with the help of the arrows. At LCD keyboards you can enter the hour and minutes directly from the keypad buttons, while the position of the entered digit blinks.
Default settings *- 00:00 h*	

ADDRESS 0031 - SETTING THE DATE	
Setting the date	The date and month are set (DD.MM). At LED keyboards the indication is hexadecimal and the digits are displayed one by one. To view the date, the digits can be browsed with the help of the arrows. At LCD keyboards you can enter the date and month directly from the keypad buttons, while the position of the entered digit blinks.
Default settings *- 01:01*	

ADDRESS 0040 - CHIME ENABLE/DISABLE		
Chime Enable/Disable	At this address the engineer can enable or disable the sound signalization (Chime) for opening of an entry-exit type zone. The parameter status can be changed with pressing of random button of the keyboard.	
YES	The Chime is Enabled.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
NO	The Chime is Disabled	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
Default settings *- NO*		

ADDRESS 0099 - SOFTWARE REVISION REVIEW	
Software revision	The Engineer can review the number of current software revision of the CA62 control panel at this address. The indication is hexadecimal. The software revision is displayed as 4-digit number. The numbers are displayed one by one as the engineer uses the arrow buttons to see them all. The format of the software revision is [XX.XX]. For example: reading [04.30] means software revision 4.3.

1. USER AND MANAGER CODES PROGRAMMING

ADDRESS 1000 - DEFAULT CONFIGURATION SETTING	
Setting of default configuration	CA62 Alarm control panel supports 4 default parameter configurations. Enter a number from 0 to 3 of a default configuration. All the menus in this manual are described for the DEFAULT CONFIGURATION 0.
Default settings *- 0*	

ADDRESS 1001 - PROGRAMMING THE CODE DIGITS		
Number of the code digits	The system allows using 4 and 6 digits codes. ***Note: When switching from 4- to 6-digits code, the figures 00 will automatically be added at the end. For example the 4-digits code 1234 will become 123400.*** ***IMPORTANT: When changing over from 6- to 4-digits code, only the first four figures in the 4-digits code will remain valid. For example the 6-digits code 123456 will become 1234.*** ***Due to risk of coincidence of codes, changing over from 6- to 4-digits code IS NOT RECOMMENDED!***	
4 digits	The system Engineer, managers and users are using 4 digit access codes.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
6 digits	The system Engineer, managers and users are using 6 digit access codes.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default settings *- 4 digits*		

ADDRESS 1010 - USER CODE 1 ATTRIBUTES	
User Code 1	USER CODE 1 attributes are assigned at this address. The user code can have more than one attribute. Pressing a digital button with the respective number activates the given attribute. The selected attribute is indicated with active number of the pressed digit. Pressing the same digit again will inactivate the attribute Only those numbers, which correspond to the assigned attributes, will remain active at the end of the procedure. Pressing the ENTER button confirms the programmed attributes. ***Indication at Default settings*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
1. DISARM	**Disarming the system** Authorizes this user code to Disarm the site.
2. STAY ARM	**Arming mode at which the user can stay in certain areas** Authorizes this user code to arm those zones that have not been assigned a STAY attribute.
3. BYPASS	**Zone Bypassing** Authorizes this user code to bypass zones in armed site.
4. PROGRAM	**Programming** Authorizes this user code to program system parameters.
5. PART A	**Partition A** Authorizes this user code to operate with Partition A in the security area (bypass, arm, disarm, etc).
6. PART B	**Partition B** Authorizes this user code to operate with Partition A in the security area (bypass, arm, disarm, etc).
Default settings *- DISARM, STAY ARM, BYPASS, PROGRAM, PART A; No code*.*	

** Note: User codes in the system can be programmed only from the Manager Programming Menu.*

All the ADDRESS for User code attributes from 2 to 20 are programmed in the same way as ADDRESS 1010:

- **ADDRESS** 1**02**0 - USER CODE 2 ATTRIBUTES
- **ADDRESS** 1**03**0 - USER CODE 3 ATTRIBUTES

...

- **ADDRESS** 1**09**0 - USER CODE 9 ATTRIBUTES
- **ADDRESS** 1**10**0 - USER CODE 10 ATTRIBUTES

...

- **ADDRESS** 1**19**0 - USER CODE 19 ATTRIBUTES
- **ADDRESS** 1**20**0 - USER CODE 20 ATTRIBUTES

At ADDRESSES for User code attributes from 2 to 20 *no code combination has been introduced, and the default settings for all of them are: DISARM, STAY ARM, BYPASS, PROGRAM, PART A.*

ADDRESS 1210 - CHIEF MANAGER CODE ATTRIBUTES	
Chief Manager	MANAGER CODE attributes are assigned at this address. The manager code can have two attributes. Pressing a digital button with the respective number activates the given attribute. The selected attribute is indicated with active number of the pressed digit. Pressing the same digit again will inactivate the attribute Only those numbers, which correspond to the assigned attributes, will remain active at the end of the procedure. Pressing the ENTER button confirms the programmed attributes. ***Indication at Default settings*** **LED** ① ② ③ ④ ❺ ❻ — **LCD** 1 2 3 4 (5) (6)
5. PART A	**Partition A** Authorizes the Manager code to operate with Partition A in the security area (bypass, arm, disarm, etc).
6. PART B	**Partition B** Authorizes the Manager code to operate with Partition B in the security area (bypass, arm, disarm, etc).
Default settings - *PART A, PART B; Access code 0000*	

ADDRESS 1220 - MANAGER 1 CODE ATTRIBUTES	
Manager 1	MANAGER 1 CODE attributes are assigned at this address. The programming is the same as for ADDRESS 1210. *No code combination is set.*

ADDRESS 1230 - MANAGER 2 CODE ATTRIBUTES	
Manager 2	MANAGER 2 CODE attributes are assigned at this address. The programming is the same as for ADDRESS 1210. *No code combination is set.*

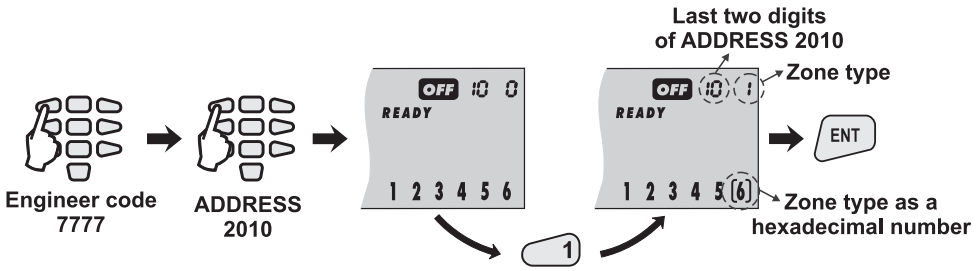
ADDRESS 1240 - MANAGER 3 CODE ATTRIBUTES	
Manager 3	MANAGER 3 CODE attributes are assigned at this address. The programming is the same as for ADDRESS 1210. *No code combination is set.*

2. PROGRAMMING OF ZONES

The zone parameters in the system are programmed at **ADDRESSES 2xxx**. The parameters for every zone are programmed separately, as every zone has to be attached to one or the both partitions in the system.

ADDRESS 2000 - NUMBER OF ACTIVATIONS PER ZONE FOR AUTO BYPASS MODE	
AutoBypass Counter	The number of activations (number of alarm cycles from 0 to 9) in one arm mode, which have to be accomplished for a zone with an assigned AUTO/BPS parameter, are entered at this address. After reaching the indicated number of activations, the respective zone will be automatically bypassed. When disarmed and then again armed the respective zone will remain armed.
Default settings *- 6*	

ADDRESS 2001 - ENABLING FOR INSTANT TYPE ZONES		
Enable Instant	Intrusion in any Instant type zone during exit time is enabled or disabled at this address. Enabling this operating mode would reduce the probability for a false alarm signal to be triggered off by mistake on behalf of the user. The parameter status can be changed with pressing of random button of the keyboard.	
NO	Disabled intrusion in INSTANT type zones during exit type.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ **LCD** 1 2 3 4 5 6
YES	Enables intrusion in INSTANT type zones during exit type.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ **LCD** (1) (2) (3) (4) (5) (6)
Default settings *- NO*		

ADDRESS 2010 - ZONE 1 TYPE		
ZONE 1 Type	The zone type is set at this address. **Only one type can be selected for a given zone.** Press the digital button, which corresponds to the number of the desired type. At LED keyboards the indication is hexadecimal and is shown in the table in *SUPPLEMENT C*. At LCD keyboards the information for the zone type is visualized on the display in two ways - with hexadecimal number and as a natural number on the place of the last digit of the clock. *Example for programming of the Zone 1 as* ***1. Entry/Exit*** *type using LCD62 keyboard:*  **The Zone types are as follows:**	
0. Unused	The zone is not being used.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ **LCD** 1 2 3 4 5 6
1. Entry/Exit	**Entry- Exit zone.** Provides time to arm and disarm the site. After arming, the detector, which was triggered off in this zone, will not sound an alarm until the programmed EXIT TIME expires. No violation of the zone when in armed mode will sound an alarm before the programmed ENTRY TIME expires. A sound signal is activated from the keyboard buzzer during entry and exit time.	***Indication*** **LED** ① ② ③ ④ ⑤ ❻ **LCD** 1 2 3 4 5 (6)

ADDRESS 2010 description continues on page 29 ➡

2. Follow	**Follow zone** An alarm zone which is active only when the site is armed. The zone operates instantaneously and activates the programmable ALARM and SIREN type outputs, and the communicator. Activating the zone during entry or exit time does not cause an alarm event. When the system is disarmed, the activation of a zone is indicated by blinking of the respective light-emitting diode for the zone (LED keyboards) or enclosed in brackets zone number (LCD keyboards) for the time that the zone remains open.	***Indication*** **LED** ① ② ③ ④ ❺ ⑥ **LCD** 1 2 3 4 (5) 6
3. Instant	**Follow zone** An alarm zone which is active only when the site is armed. The zone operates instantaneously and activates the programmable ALARM and SIREN type outputs, and the communicator. Activating the zone during entry or exit time does not cause an alarm event. When the system is disarmed, the activation of the zone is indicated with active zone number for the time that the zone remains open. An INSTANT type zone can be violated while Exit time is running if at **ADDRESS 2001** the "*Enabled Instant*" parameter is enabled.	***Indication*** **LED** ① ② ③ ④ ❺ ❻ **LCD** 1 2 3 4 (5) (6)
4. Fire	**24-hour fire zone** Allows connecting 12 V fire detectors to the system. These should avail of a normally closed relay output in inactive status. Any activation of the zone will trigger off SIREN type outputs, the programmable FIRE type outputs and the station communicator.	***Indication*** **LED** ① ② ③ ❹ ⑤ ⑥ **LCD** 1 2 3 (4) 5 6
5. Panic	**24-hour panic type zone** ***Silent panic*** (***2.Silent*** *attribute is set on* **ADDRESS 2xx2***, where xx is the zone number*) - only the programmable PANIC type outputs and the station communicator can be activated. The respective LED (zone number at LCD keyboard) blinks while the zone is active. There is no memory indication. After a legal user code is entered, the MEMORY LED and the activated zone LED (zone number at LCD keyboard) both light up continuously. ***Sound panic*** - the SIREN output, the programmable PANIC type outputs and the station communicator are activated. The sirens are instantaneously activated irrespective of the programmed time delay. Activating the zone will cause the MEMORY LED and the activated zone LED (zone number at LCD keyboard) to light up continuously. The indication of the memory can be deleted by entering a legal user code, a manager code or during the next arming.	***Indication*** **LED** ① ② ③ ❹ ⑤ ❻ **LCD** 1 2 3 (4) 5 (6)
6. Tamper	**24-hour tamper type zone** Activating this zone type triggers off the SIREN output, the programmable TAMPER type outputs and the station communicator. Any activation of the zone would trigger off a sound signal from the keyboard buzzer when the system is disarmed and the TAMPER siren output has been programmed as SILENT at **ADDRESS 0017**. The indication of the memory can be deleted by entering a legal user code or manager code or during the next arming.	***Indication*** **LED** ① ② ③ ❹ ❺ ⑥ **LCD** 1 2 3 (4) (5) 6
7. Medical	**24-hour medical type zone** Assigning this zone type will set the programmable MEDICAL type outputs active and will start the communicator. The activated zone LED (zone number at LCD keyboard) will light up irrespective of the system status. The indication of the memory can be deleted by entering a legal user code, manager code or during the next arming.	***Indication*** **LED** ① ② ③ ❹ ❺ ❻ **LCD** 1 2 3 (4) (5) (6)
8. Key-Switch	**Key-Switch, 24-hour burglary type zone.** When this zone type is assigned, the respective panel input is used to transmit the arming and disarming signal with the help of a keyswitch. The installer has to set the type of the zone activation: • With an impulse (*PULSE attribute is set at* ***ADDRESS 2013***); • Reaction of open or in normal operation mode zone (*LATCH attribute is set at* ***ADDRESS 2013***). Arming is only possible in Full Arm mode. Arming will be anticipated only when the system is ready - all zones are inactive.	***Indication*** **LED** ① ② ❸ ④ ⑤ ⑥ **LCD** 1 2 (3) 4 5 6

ADDRESS 2010 description continues on page 30 ➡

9. Auxiliary	**24-hour auxiliary type zone** When this zone type is assigned, respectively a number of AUX attribute should be programmed at **ADDRESS 2xx4**, where *xx* is the number of the zone.	***Indication*** **LED** ① ② ❸ ④ ⑤ ❻ **LCD** 1 2 (3) 4 5 (6)
Default settings - *0. Unused*		

ADDRESS 2011 - ZONE 1 ATTRIBUTES 1		
Zone 1 Attributes 1	Parameters "ATTRIBUTES 1" for ZONE 1 are programmed at this address. More than one attribute can be assigned for the zone. Pressing a digital button with the respective number will activate a given attribute. Every activated attribute number is indicated as a lighting on LED or enclosed in brackets number. Pressing the same digital button again will deactivate the attribute. At the end of this procedure, the LEDs or zone numbers, which correspond to the assigned attributes only, will remain activated. ***Indication at Default settings*** **LED** ❶ ❷ ③ ④ ⑤ ⑥ — **LCD** (1) (2) 3 4 5 6 **The parameters "ATTRIBUTES 1" are as follows:**	
1. Auto Bypass	Authorization for automatic Bypassing the zone after reaching the number of activations per armed mode as set in **ADDRESS 2000.**	**Attention:** *This attribute **is not valid** for zone types: **Fire, Panic, Medical** and **Key-Switch.***
2. Bypass	Authorization to Bypass a zone. Assigning this attribute to the respective zone will authorize bypass of the zone on behalf of the system user or manager.	**Attention:** *This attribute is valid for all zone types, except for **Key-Switch.***
3. Stay	The zone is not going to be armed in the STAY mode. Assigning this attribute to the respective zone will authorize the respective Stay mode zone arming.	**Attention:** *This attribute **is not valid** for zone types: **Fire, Panic, Tamper, Medical, Key-Switch** and **Auxiliary.***
4. Force	If when arming the system the zone is open (activated), then the respective Partition will be armed, and the respective zone will be armed after it is restored. *(There is a special indication for the LCD keyboards when this attribute is set - when ARMING the system the middle window of the castle is blinking.)*	**Attention:** *This attribute **is not valid** for zone types: **Entry/Exit, Follow** and **Key-Switch.***
5. Double	DOUBLE KNOCK type zone. Assigning this attribute to the respective zone authorizes Double Knock mode performance in the zone. A 3-minute time interval starts when a detector in the zone is activated for the first time in armed mode. An alarm event is registered if a second detector activation is recorded within this interval in the same or another zone. An alarm event will also be registered if no zone is restored within 15 seconds of the first activation of the zone sensor.	**Attention:** *This attribute **is not valid** for zone types: **Fire, Panic, Medical** and **Auxiliary.***
6. E/E Final	When armed the zone will perform as Entry/Exit type. The system will be armed: A) When the exit time is over; B) immediacy after closing the entry-exit zone.	**Attention:** *This attribute **is valid** for zone type **Entry/Exit only.***
Default settings - *AutoBypass, Bypass attributes*		

ADDRESS 2012 - ZONE 1 ATTRIBUTES 2	
Zone 1 Attributes 2	Parameters "ATTRIBUTES 2" for ZONE 1 are programmed at this address. More than one attribute can be assigned for the zone. Pressing a digital button with the respective number will activate a given attribute. Every activated attribute number is indicated as a lighting on LED or enclosed in brackets number. Pressing the same digital button again will deactivate the attribute. At the end of this procedure, the LEDs or zone numbers, which correspond to the assigned attributes only, will remain activated. **The parameters "ATTRIBUTES 2" are as follows:**
1. Bell Delay	The siren will be activated when the set ***Bell Delay*** time is over. The Bell Delay time can be programmed at **ADDRESS 4013** (for Partition A) and at **ADDRESS 4023** (for Partition B).
2. Silent	This attribute is valid only for zones type Panic (*at ADDRESS 2xx0 is set type 5*). In arming mode, the siren will not be activated if the ***Silent*** (silent panic) attribute is assigned. The programmable PANIC type outputs and the system communicator will be activated only. A violation of a zone is indicated with a flashing LED or enclosed in brackets zone number while the zone is active.
3. Video On Armed	**Video recording of alarm events** In case of alarm event the VIDEO ON ARMED outputs will be activated for 1 minute.
4. Write to LOG	**Write to LOG file** Every zone activation and restoring, irrespective of the system arming status, will be recorded in the system LOG file. The attribute "Write to log" concerns the events OPEN (zone activation) and CLOSE (zone restoring). This attribute is valid for all type of zones except the zones TAMPER type. If the zone is set with TAMPER type (*at ADDRESS 2xx0 is set type 6*) the programming of this attribute has no matter.
5. Chime	**"CHIME" Mode** In disarmed mode and assigned "Chime" attribute, with every activation of a zone the keyboards will produce a specific sound signal.
Default settings - *no attribute is set*	

ADDRESS 2013 - ZONE 1 ATTRIBUTES 3		
Zone 1 Attributes 3	At this address are assigned **only parameters "ATTRIBUTES 3" for Key-Switch type zone**. More than one attribute can be assigned for the zone. Pressing a digital button with the respective number will activate a given attribute. Every activated attribute number is indicated as a lighting on LED or enclosed in brackets number. Pressing the same digital button again will deactivate the attribute. At the end of this procedure, the LEDs or zone numbers, which correspond to the assigned attributes only, will remain activated. **The parameters "ATTRIBUTES 3" are as follows:**	
1. Pulse / Latch	**24-hout Key-Switch type zone.** ***With assigned Pulse attribute*** every impulse will change alternatively the arming status of the system - respectively armed/ disarmed. ***With assigned Latch attribute***, if the zone is activated - the partition* is armed, if the zone is in normal operating status - the partition* is disarmed. **The partition to which the zone is attached.* ***Attention:*** *If the zone is attached to the both partitions in the system, its reaction will depend on the current partitions status. In the SUPPLEMENT D are shown detailed algorithms for the partitions reaction with Key-Switch type zone.*	**Attribute** / ***Indication*** (**LED** / **LCD**) Pulse — ① — 1 Latch — ❶ — (1)
2. Full /Stay	This attribute determinates the arming type - FULL ARM or STAY ARM.	**Attribute** / ***Indication*** (**LED** / **LCD**) Full Arm — ② — 2 Stay Arm — ❷ — (2)
3. Disarm Enable	This attribute determinates whether the zone will disarm the system (DISARM ENABLED) or not (DISARM DISABLED).	**Attribute** / ***Indication*** (**LED** / **LCD**) Disabled — ③ — 3 Enabled — ❸ — (3)
Default settings - *Disarm Enable attribute*		

ADDRESS 2014 - ZONE 1 ATTRIBUTES AUX	
Zone 1 Attributes AUX	At this address are assigned **only parameters "ATTRIBUTES AUX" for Auxiliary type zone**. Only one attribute AUX can be assigned at this address - a number from 00 to 11. With an assigned AUX attribute and alarm in the zone, a system status message will the generated in the memory LOG file, which can be programmed to PGM output. The PGMx outputs programming is described in item *3. PGM and SIREN Outputs Programming* in SECTION Programming. The indication is in hexadecimal numbers - see the Table in *SUPPLEMENT C*. **The parameters "ATTRIBUTES AUX" are as follows:**
00	**24h Burglary - 24-hour burglary alarm zone** With this attribute assigned the zone will be active irrespective of the arming type. The zone will operate as INSTANT type and the programmable ALARM and SIREN outputs, and the system communicator will be activated.
01	**Battery Low -** Low battery charging level.
02	**Gas Detector -** Activated gas detector.
03	**Water Leakage -** Activated flood detector.
04	**AC Loss -** Main power supply lost.
05	**GSM Link Trouble -** GSM communication failure.
06	**Refrigeration -** Activated refrigeration detector.
07	**Loss of Heat -** Loss of heat in the premises.
08	**Foil Break -** Detector foil break.
09	**Low Bottled Gas Level -** Activated low bottled gas detector.
10	**High Temperature -** High temperature in the premises.
11	**Low Temperature -** Low temperature in the premises.
Default settings *- 00. 24h Burglary attribute*	

ADDRESS 2015 - ZONE 1 ATTACHMENT		
Zone 1 Attachment	At this address the ZONE 1 attachment to any of the two partitions in the system is assigned. To activate the parameter press the digit button with the respective partition number. Next pressing of the same digit button will deactivate the parameter. ***Note:*** *The ZONE can be attached and to the both partitions in the system. In this case the E/E, Follow and Instant type zones will be armed only if the both partitions in the system are armed. Besides, in case of alarm in a zone attached to the both partitions, records for the both of the partitions will be present in the system memory LOG file.* ***Attention:*** *If the ZONE is not attached to any of the both partitions in the system, the control panel will not check and signalling for its state and status.*	
1. PART A	**Partition A** The ZONE is attached to Partition A.	***Indication*** **LED** ❶ ② ③ ④ ⑤ ⑥ / **LCD** (1) 2 3 4 5 6
2. PART B	**Partition B** The ZONE is attached to Partition B.	***Indication*** **LED** ① ❷ ③ ④ ⑤ ⑥ / **LCD** 1 (2) 3 4 5 6
Default settings *- PART A*		

ADDRESSES 2020 ... 2025 - ZONE 2 PROGRAMMING
The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 2 are assigned. The doubling zone type connection can be realized to ZONE 2 - see the Figure 6 c. The ZONE 2 corresponds to ZONE 8. The type of connection can be programmed at ADDRESS 2026 with setting the "4.Doubling" attribute.
Default settings *-* ***type*** *Unused;* ***ATTRIBUTES 1*** *- AUTOBYPASS and BYPASS;* ***ATTRIBUTES 3*** *- Disarm Enable;* ***ATTRIBUTES AUX*** *- 00. 24 h Burglary;* ***Attachment*** *- PART A*

ADDRESS 2026 - TYPE OF BALANCING FOR ZONE 2

Type of balancing for ZONE 2

The type of ZONE 2 balancing is selected at this address. Every consecutive pressing of a digital button alternatively changes the type of balancing. Display indications are given in the tables below.
The doubling zone type connection can be realized to ZONE 2 - see the Figure 6 c.

Note: *When connecting one fire detector to the zone* ***do not*** *assign any type of balancing for it. When connecting 2 fire detectors to the zone* ***you have to assign the 4.Doubling*** *attribute!*

1. EOL

Connecting of balancing resistor.
With or without TAMPER in the circuit.

EOL Connecting	*Indication*	
	LED	LCD
Without TAMPER	①	1
With TAMPER	❶	(1)

2. Fast/ Regular

Programmable sensitivity of the zone between 10 and 250ms.

Sensitivity	*Indication*	
	LED	LCD
Regular (250ms)	②	2
Fast (10ms)	❷	(2)

3. Power-up delay

The zone will be bypassed for a 120 second period after power-up of the system (that eliminated the false alarms in the initial power-up of the control panel).

Power-up delay	*Indication*	
	LED	LCD
Without zone bypass	③	3
Zone bypass (120 sec)	❸	(3)

4. Doubling

Doubling zone connection. The parameter is assigned when the doubling zones connection is realized in the system. Activating this parameter will disable the setting of 1.EOL attribute at the beginning of this address, as considers that the connecting of balancing resistors in this case is with tamper in the circuit.

Mode	*Indication*	
	LED	LCD
Single zone	④	4
Doubling zone	❹	(4)

Default settings *- no attribute is set*

ADDRESS 2030 ... 2036 - ZONE 3 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 3 are assigned.
The doubling zone type connection can be realized to ZONE 3 - see the Figure 6 c. The ZONE 3 corresponds to ZONE 9. The type of connection can be programmed at ADDRESS 2036 with setting the "4.Doubling" attribute.

Default settings *-* ***type*** *Unused;* ***ATTRIBUTES 1*** *- AUTOBYPASS and BYPASS;* ***ATTRIBUTES 3*** *- Disarm Enable;* ***ATTRIBUTES AUX*** *- 00. 24 h Burglary;* ***Attachment*** *- PART A*

ADDRESS 2040 ... 2046 - ZONE 4 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 4 are assigned.
The doubling zone type connection can be realized to ZONE 4 - see the Figure 6 c. The ZONE 4 corresponds to ZONE 10. The type of connection can be programmed at ADDRESS 2046 with setting the "4.Doubling" attribute.

Default settings *-* ***type*** *Unused;* ***ATTRIBUTES 1*** *- AUTOBYPASS and BYPASS;* ***ATTRIBUTES 3*** *- Disarm Enable;* ***ATTRIBUTES AUX*** *- 00. 24 h Burglary;* ***Attachment*** *- PART A*

ADDRESS 2047 - NUMBER OF ACTIVATIONS IN ZONE 4 IN PULSE COUNT MODE

Zone 4 Pulse counter

The number of pulses for zone 4 in Pulse Count mode are entered at this address.
The indication is in hexadecimal numbers, as for LCD keyboards the entered value is also visible at the last clock digit. The value for the pulse counter can be entered while the digit is blinking.
Values of between 0 and 9 pulses can be entered here. The 0 value blocks the Pulse Count mode and the zone can then function with the regular time for detecting activation.
The working algorithm for zone 4 in Pulse Count mode has been clarified in
Item 2.6.

Default settings *- 0*

ADDRESS 2050 ... 2056 - ZONE 5 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 5 are assigned.
The doubling zone type connection can be realized to ZONE 5 - see the Figure 6 c. The ZONE 5 corresponds to ZONE 11. The type of connection can be programmed at ADDRESS 2056 with setting the "4.Doubling" attribute.

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

ADDRESS 2060 ... 2066 - ZONE 6 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 6 are assigned.
The doubling zone type connection can be realized to ZONE 6 - see the Figure 6 c. The ZONE 6 corresponds to ZONE 12. The type of connection can be programmed at ADDRESS 2066 with setting the "4.Doubling" attribute.

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

ADDRESS 2070 ... 2075 - ZONE 7 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 7 are assigned.
***Note:** The ZONE 7 is a keyboard zone (it is in the keyboard just like the ZONE 1 - see also item 2.6). Every keyboard can be recognized from the panel as ZONE 7. The programming of this function can be done at **ADDRESS 7xx0** with setting the **4.Keypad Zone** attribute (xx is the address of the respective keyboard).*

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

ATTENTION: The ZONES 8 - 12 will be active only when the zone doubling connection is realized in the system. In this case ZONE 2 corresponds to ZONE 8, ZONE 3 - to ZONE 9, etc. The zone doubling connection circuit is shown on Figure 6c, as the respective detectors are terminated with 2.2 κΩ resistor. Besides to activate the ZONES 8 - 12 in the system, it is necessary to set the **4.Doubling** attribute for the corresponding zone - see the description of the ZONES 2 -6 programming.

ADDRESS 2080 ... 2085 - ZONE 8 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 8 are assigned.

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

ADDRESS 2090 ... 2095 - ZONE 9 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 9 are assigned.

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

ADDRESS 2100 ... 2105 - ZONE 10 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 10 are assigned.

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

ADDRESS 2110 ... 2115 - ZONE 11 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 11 are assigned.

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

ADDRESS 2120 ... 2125 - ZONE 12 PROGRAMMING

The programming is the same as that at **ADDRESS 2010 - 2015**, as the type, attributes (parameters 1, 2 and 3, AUX) as the attachment of ZONE 12 are assigned.

***Default settings - type** Unused; **ATTRIBUTES 1** - AUTOBYPASS and BYPASS; **ATTRIBUTES 3** - Disarm Enable; **ATTRIBUTES AUX** - 00. 24 h Burglary; **Attachment** - PART A*

3. PGM AND SIREN OUTPUTS PROGRAMMING

ADDRESS 3010 - PGM1 ATTRIBUTES 1 PROGRAMMING	
PGM 1 Attributes 1	The events "ATTRIBUTES 1", which activate the programmable output PGM 1, are programmed at this address. An arbitrary combination of events, which activate the programmable output, is allowed. The output is activated upon the occurrence of any of the programmed events and is restored when all programmed events are discarded. Press a digital button, which corresponds, to a given attribute (alarm event). The attribute is selected when the light-emitting diode on the display (LED keyboards) or an enclosed in brackets number (LCD keyboards) with the respective number is activated. Next pressing of the same digit button will deactivate the attribute.
1. ALARM	It is activated when Entry\Exit, Follow and Instant type zones are violated while the system is in armed mode and activating Fire, Panic, Tamper, Medical and AUX type zones irrespective of the system arming status. • ***With set attribute Pulse*** the output is restored after a valid user code is entered, restoring of the activated zone or following an interval of 1 min. • ***With set attribute Latch*** the output is restored after a valid user code with disarming rights is entered or after confirmation for stopping the alarm if the system is disarmed.
2. PANIC	It is activated when the PANIC type zone is triggered or when PANIC is triggered from the keyboard. • ***With set attribute Pulse*** the output is restored after a valid user code is entered or following an interval of 1 min. • ***With set attribute Latch*** the output is restored after a valid user code with disarming rights is entered or after confirmation for stopping the alarm if the system is disarmed.
3. TAMPER	It is activated when TAMPER is triggered off in any zone or periphery device, irrespective of the arm mode. It is restored after activation is discarded and does not depend on the Pulse / Latch attribute.
4. FIRE	It is activated when a FIRE type zone is triggered. • ***With set attribute Pulse*** the output is restored after a valid user code is entered or following an interval of 1 min. • ***With set attribute Latch*** the output is restored after a valid user code with disarming rights is entered or after confirmation for stopping the alarm if the system is disarmed.
5. FIRE RESET	It is activated for 4 sec. after a valid code is entered.
6. ON / OFF	It is activated by a command to arm the whole system (partition A and partition B). Output is restored after disarming of any of the partitions (A or B) and does not depend on the Pulse / Latch attribute.
Default settings - *ALARM*	

ADDRESS 3011 - PGM1 ATTRIBUTES 2 PROGRAMMING	
PGM 1 Attributes 2	The events "ATTRIBUTES 2", which activate the programmable output PGM 1, are programmed at this address. An arbitrary combination of events, which activate the programmable output, is allowed. The output is activated upon the occurrence of any of the programmed events and is restored when all programmed events are discarded. Press a digital button, which corresponds, to a given attribute (alarm event). The attribute is selected when the light-emitting diode on the display (LED keyboards) or an enclosed in brackets number (LCD keyboards) with the respective number is activated. Next pressing of the same digit button will deactivate the attribute.
1. MEDICAL	It is activated when a MEDICAL type zone is triggered. • ***With set attribute Pulse*** the output is restored after all MEDICAL type zones are restored. • ***With set attribute Latch*** the output is restored after all MEDICAL type zones are restored, after a valid user code with disarming rights is entered or after confirmation for stopping the alarm if the system is disarmed.
2. PS / BYPASS	It is activated right after a zone has been designated to be bypassed or when the zone has been assigned a Stay ARM and Instant ARM type arming. Output is restored after de-bypassing of all zones or after disarming.

ADDRESS 3011 description continues on page 36 ➡

3. SIREN	The output is activated, when there is an alarm event in the system. For all kinds alarm events the siren will activate for programmed bell time for the respective partition (at **ADDRESS 4012** for Partition A and **ADDRESS 4022** for Partition B) or until a valid user code is entered. In case of alarm event in FIRE type zone, the siren is activated in sequence of impulses (1 second on, 1 second off) until a valid user code is entered. With Fire Duration bell time set at **ADDRESSES 4015 and 4025**, the "SIREN" output will be restored when the bell time is over or after a valid user code is entered.	
4. TECH. TRBL	It is activated in case of occurring "Low BATT", "Tel line fault" or "Blown fuse" events and does not depend on the Pulse / Latch parameter.	
5. PULSE / LATCH	The output way of activation (restoring) is assigned at this address. *In SUPPLEMENT D are shown detailed algorithms for Key-Switch type zone operation.*	**Attribute** / ***Indication*** (**LED** / **LCD**) Pulse: ⑤ / 5 Latch: ❺ / (5)
6. POLARITY	The active level for activation of the output is assigned at this address.	**Active level** / ***Indication*** (**LED** / **LCD**) 0V: ⑥ / 6 +12V: ❻ / (6)
Default settings - *POLARITY /+12V/*		

ADDRESS 3012 - PGM1 ATTACHMENT		
PGM 1 Attachment	At this address the PGM 1 attachment to any of the two partitions in the system is assigned. The output can be attached to the both partitions in the system at the same time.	
1. PART A	**Partition A** The PGM is attached to Partition A. (It is activated in case of event in the Partition A.)	***Indication*** **LED**: ❶ ② ③ ④ ⑤ ⑥ **LCD**: (1) 2 3 4 5 6
2. PART B	**Partition B** The PGM is attached to Partition B. (It is activated in case of event in the Partition B.)	***Indication*** **LED**: ① ❷ ③ ④ ⑤ ⑥ **LCD**: 1 (2) 3 4 5 6
Default settings - *PART A*		

ADDRESS 3013 - PGM 1 EXTENSIONS	
PGM 1 Extensions	At this address the PGM1 EXTENSIONS parameters are assigned. The output can be activated in case of 20 additional events occurring. The engineer have to enter one two digit number of the additional parameter - from 00 to 19. The description of the parameters is given in the table below.
00. No Extension	No additional parameter for PGM 1 output is assigned.
01. Battery Trouble	The output is activated in case of lowering the accumulator voltage under 11.4V, damaged battery fuse (BATT) or missing battery. The output is restored after the charging level of the battery reaches value of 11.8V. The restoration of the output does not depend on the Pulse / Latch parameter.
02. Blown Fuse	The output is activated in case of blown out fuse (activated PTC fuse). This programming does not depend on the Pulse / Latch parameter.
03. Telephone Line Trouble	The output is activated in case of trouble or missing of the telephone line The possible activating events are: • telephone line is missing • "Dialing tone" is missing • no communication with Monitoring station 1 • no communication with Monitoring station 2 This parameter does not depend of programmed Pulse/ Latch parameter. The output always follows the event.

ADDRESS 3013 description continues on page 37 ➡

04. AC LOSS Control Panel MainBoard	The output is activated in case of trouble in the main power supply of the control panel (control panel PCB).
05. AC LOSS From Zone	The output is activated in case of activating of a ZONE with assigned Auxiliary type and AC LOSS attribute - for controlling of devices working together with the control panel, for example additional power supply devices. When the ZONE is activated the control panel will send a message for trouble. The output will be restored when the power supply of the zone is restored.
06. KEYPAD ALARM	The output is activated in case of an alarm signal: • FIRE in the system (for LED62) • MEDICAL Alarm (for LED62) • PANIC (for all types of keyboards) • in case of entering 3 wrong codes in sequence and blocking the keypad buttons (when a keyboard blocking is enabled on address 0012) • TAMPER from a keyboard
07. KEYPAD FIRE ALARM	The output is activated in case of sending of FIRE signal - the FIRE button of LED62 ( ) is pressed and held on for 3 seconds. ***Note:*** *This parameter can be programmed only for LED62 keyboard!*
08. KEYPAD PANIC ALARM	The output is activated in case of sending of PANIC alarm signal - the buttons CLR+ENT are pressed and held on for 3 seconds. ***Note:*** *For LED62 keyboard this parameter can be programmed for the PANIC button -* .
09. AMBUS CODE	The output is activated in case of sending of "AMBUSH CODE". The AMBUSH CODE is a personal code. The User can use the AMBUSH CODE if he is forced to disarm the system. When an AMBUSH CODE is entered the system will be disarmed and a TROUBLE signal will be send to a central monitoring station. The AMBUSH CODE for every user code is generated with adding 1 to the last digit. If the last digit of the code is 9 it is replaced with 0. ***Example:*** *Personal User Code: 4615 → Ambush Code: 4616* *Personal User Code: 4619 → Ambush Code: 4610*
10. CHIME	The output is activated in case of sending of CHIME signal from a zone with assigned CHIME attribute. The output is restored automatically after 2-3 seconds and does not depend on the programming of the Pulse / Latch parameter. ***Note:*** *The output depends on the programmed PARTITION attachment - for the zone and the PGM output MUST be attached to one and the same PARTITION.*
11. AUXILIARY ALARM	The output is activated in case of sending of alarm signal from zones with assigned AUXILIARY attribute and is restored when all AUXILIARY type zones are deactivated.
12. BATTERY TROUBLE	The output is activated in case of sending of alarm signal from AUXILIARY type zones with assigned BATT LOW attribute.
13. Wireless Transmitter Supervision Loss	The output is activated in case of sending an alarm signal for wireless transmitter loss from AUXILIARY type zone with "GSM Link Trouble" assigned attribute.
14. Wireless Transmitter Battery Low	The output is activated in case of wireless transmitter low battery charge or battery loss from AUXILIARY type zone with "Battery Low" assigned attribute.
15. AUTO-ARM	The output is activated in case of assigned "Auto-Arm" (Automatic arming of the system) attribute for PARTITION A (ADDRESS 4016), PARTITION B (ADDRESS 4026) or for both partitions. The output is restored with disarming of the system and does not depend on Pulse/Latch programming.

ADDRESS 3013 description continues on page 38 ➡

16. Video-On-Armed	The output is activated when an already armed zone with assigned "VIDEO-ON-ARMED" attribute is violated. "VIDEO-ON-ARMED" means that there is a video surveillance recording in the secured area. This parameter is valid for the programmed on ADDRESS 3014 (PGM1 EXTENSION X1). When using the doubling zone connection of the detectors in the system, there is a relation between the used zones - ZONE1 corresponds to ZONE7, ZONE2 corresponds to ZONE8 and so on up to ZONE6 which corresponds to ZONE12. In this case the number of corresponding zone (7 - 12) have to be assigned to ADDRESS 3015 (PGM1 EXTENSION X2). The output is restored automatically after 1 minute and does not depend on the entered user codes or the Pulse/Latch programming.
17. Zone Violation	The output is activated in case of opening (activating) of ZONES which numbers are assigned at ADDRESSES 3xx4 or 3xx5. The output is deactivated when the assigned ZONES at ADDRESSES 3xx4 and 3xx5 are restored, and does not depend on the arming mode - the output operates and in the ARM and in the DISARM mode.
18. Code Used Signaling	The output is activated at: • entering a code with any of the programmed at ADDRESSES 3016 and 3017 numbers by any of the programmed at ADDRESS 3018 keyboards. • entering of AMBUSH CODE • approaching a proxi card to the proximity reader • programming of a selected user code The output is restored automatically after 4-5 seconds and does not depend on the arming mode and the Pulse/Latch programming.
19. Proximity Card Used Signaling	The output is activated when approaching a proximity card to a selected proximity reader. The output is restored after 2-3 seconds and does not depend on the Pulse/Latch programming. The output does not depend also on the assigned PARTITION attachment of the code and the proximity reader.

ADDRESS 3014 - PGM 1 EXTENSION X1	
PGM 1 Extension X1	At this address, as additional PGM1 attributes, are programmed code numbers for extensions from 16 to 19 assigned at ADDRESS 3013. User code or zone numbers from 1 to 6 are assigned. To activate the parameter press the digit button with the corresponding number. The next pressing of the same digit button will deactivate the parameter.

ADDRESS 3015 - PGM 1 EXTENSION X2	
PGM 1 Extension X2	At this address, as additional PGM1 attributes, are programmed code numbers for extensions from 16 to 19 assigned at ADDRESS 3013. User code or zone numbers from 7 to 12 are assigned. To activate the parameter press the digit button with the corresponding number. The next pressing of the same digit button will deactivate the parameter.

ADDRESS 3016 - PGM 1 EXTENSION X3	
PGM 1 Extension X3	At this address, as additional PGM1 attributes, are programmed code numbers for extensions from 18 and 19 assigned at ADDRESS 3013. User code numbers from 13 to 18 are assigned. To activate the parameter press the digit button with the corresponding number. The next pressing of the same digit button will deactivate the parameter.

ADDRESS 3017 - PGM 1 EXTENSION X4	
PGM 1 Extension X4	At this address, as additional PGM1 attributes, are programmed code numbers for extensions from 18 and 19 assigned at ADDRESS 3013. User code numbers from 19 to 20 are assigned. Manager code number from 1 to 3 and/or Chief manager code are assigned. To activate the parameter press the digit button with the corresponding number. The next pressing of the same digit button will deactivate the parameter.

ADDRESS 3018 - PGM 1 DEVICE ID (Keyboards)	
PGM 1 Device ID	At this address a number of a keyboard from 1 to 4 for PGM1 extension attribute 18 assigned to ADDRESS 3013. To activate the parameter press the digit button with the corresponding number. The next pressing of the same digit button will deactivate the parameter.

ADDRESS 3019 - PGM 1 DEVICE ID (Keyboards / Proxi Readers)	
PGM 1 Device ID	At this address a proximity reader number from 1 to 2 for PGM1 extensions attributes 18 and 19 assigned to ADDRESS 3013. To activate the parameter press the digit button with the corresponding number. The next pressing of the same digit button will deactivate the parameter.

ADDRESSES 3020 ... 3029 - PROGRAMMING OF PGM 2
The programming is the same as at ADDRESSES from 3010 to 3019, as here are assigned the attributes (1 and 2), attachment, extensions (00 - 19 and X1 - X4) and ID number for PGM2.
Default settings - Attributes 1 *- ALARM;* ***Attributes 2*** *- POLARITY,* ***Attachment*** *- PARTITION A*

ADDRESSES 3030 ... 3039 - PROGRAMMING OF PGM 3
The programming is the same as at ADDRESSES from 3010 to 3019, as here are assigned the attributes (1 and 2), attachment, extensions (00 - 19 and X1 - X4) and ID number for PGM3.
Default settings - Attributes 1 *- ALARM;* ***Attributes 2*** *- POLARITY,* ***Attachment*** *- PARTITION A*

ADDRESSES 3040 ... 3049 - PROGRAMMING OF SIREN OUTPUT (PGM 4)
The programming is the same as at ADDRESSES from 3010 to 3019, as here are assigned the attributes (1 and 2), attachment, extensions (00 - 19 and X1 - X4) and ID number for PGM4. ***By default the SIREN output is indended for siren connection with assigned SIREN attribute at ADDRESS 3041.***
Default settings - Attributes 2 *- POLARITY and SIREN,* ***Attributes*** *- PARTITION A*

4. PARTITIONS PROGRAMMING

At **ADDRESSES 40xx** are assigned the attributes of the A and B partitions in the system. Every partition can be armed and disarmed independently.

ADDRESS 4010 - PROGRAMMING OF EXIT TIME FOR PARTITION A	
Exit Time Partition A	Exit time is assigned to Entry/Exit type zones attached to Partition A. A double-digit number between 1 and 99 seconds is entered. For an interval of time, less than 10 seconds, the first digit must be 0. The indication is hexadecimal and the digits are displayed one by one. To view the introduced data, the digits can be browsed with the help of the arrows.
***Default settings** - 45 sec.*	

ADDRESS 4011 - PROGRAMMING OF ENTRY TIME FOR PARTITION A	
Entry Time Partition A	Entry time is assigned to Entry/Exit type zones attached to Partition A. A double-digit figure between 1 and 99 seconds is entered. For a time interval of less than 10 seconds, the first digit must be 0. The indication is hexadecimal and the digits are displayed one by one. To view the introduced data, the digits can be browsed with the help of the arrows.
***Default settings** - 15 sec.*	

ADDRESS 4012 - PROGRAMMING OF BELL TIME FOR PARTITION A	
Bell Time Partition A	Duration is set for the bell time of the sirens attached to Partition A. A double-digit number between 0 and 99 minutes is entered. For a time interval of less than 10 seconds, the first digit must be 0. The indication is hexadecimal and the digits are displayed one by one. To view the introduced data, the digits can be browsed with the help of the arrows.
***Default settings** - 03 min.*	

ADDRESS 4013 - PROGRAMMING OF BELL DELAY FOR PARTITION A	
Bell Delay Partition A	Delay is set for initiating the bell time of the sirens attached to Partition A. A double-digit number between 0 and 99 seconds is entered. For a time interval of less than 10 seconds, the first digit must be 0. The indication is hexadecimal and the digits are displayed one by one. To view the introduced data, the digits can be browsed with the help of the arrows.
***Default settings** - 0 min.*	

ADDRESS 4014 - PROGRAMMING OF AUTO-ARM TIME FOR PARTITION A	
Auto-ARM Time Partition A	A time (HH:MM) for automatic arming at Partition A in the system is set. ***Note:** To take effect the programmed time on this address it is necessary the attribute "3. Auto Arm Enbl." at ADDRESS 4016 to be assigned.*

ADDRESS 4015 - FIRE SIGNAL DURATION FOR PARTITION A		
FIRE Signal Duration Partition A	The duration of the alarm signal for a FIRE event at Partition A is assigned at this address. Programming this address affects the performance of the programmable SIREN output. Every click of a digital button alternatively changes the type of duration of the sound signal. The display indication is shown in the tables.	
Until a valid user code is entered	There is a FIRE alarm signal until a valid system user or master user code is introduced.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ — **LCD** 1 2 3 4 5 6
Until the Bell Time at Address 4012 ends.	The FIRE signal duration is set at address 4012 BELL TIME.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ — **LCD** (1) (2) (3) (4) (5) (6)
***Default settings** - Until a valid user code is entered*		

ADDRESS 4016 - PROGRAMMING OF ATTRIBUTES FOR PARTITION A		
Attributes Partition A	The attributes of Partition A are programmed at this address. Every attribute is activated with pressing of a digit button with a respective number (from 1 to 4). The chosen attribute is indicated with activated number of the pressed digit. Next pressing of the same button number will deactivate the attribute. At end of the procedure at the keyboard display have to active only the numbers of the assigned attributes. More than one attribute can be assigned at this address.	
1. Squeak ARM	The siren will activate singly for 1 second when arming the Partition A in the system.	
2. Squeak DISARM	The siren will activate twice when disarming the Partition A in the system.	
3. Auto-Arm Enbl	Enabling the automatic arming of Partition A in the system for the programmed ar ADDRESS 4014 Auto-ARM time.	**Auto-Arm Enbl** / ***Indication*** (**LED** / **LCD**) Disabled: ③ / 3 Enabled: ❸ / (3)
4. Auto Arm Full/Stay	Automatic arming the Partition A with specifying the arming mode: • Full • Stay (the User can stay at some rooms).	**Attribute** / ***Indication*** (**LED** / **LCD**) Full: ④ / 4 Stay: ❹ / (4)

ADDRESS 4017 - NUMBER FOR COMMUNICATION WITH PARTITION A	
Number for communication	A number for communication between Partition A and a central monitoring station is entered at this address. 4 digits have to be entered. The valid digits are from 0 to 9 and symbols from A to F.
Default settings - *FFFF*	

ADDRESSES 4020 ... 4024 - PROGRAMMING OF THE ATTRIBUTES FOR PARTITION B
The programming is the same as for ADDRESS 4010 - 4014.
Default settings - *Same as PARTITION A*

ADDRESS 4025 - FIRE SIGNAL DURATION FOR PARTITION B		
FIRE Signal Duration Partition B	The duration of the alarm signal for a FIRE event at Partition A is assigned at this address. Programming this address affects the performance of the programmable SIREN output. Every click of a digital button alternatively changes the type of duration of the sound signal. The display indication is shown in the tables.	
Until a valid user code is entered	There is a FIRE alarm signal until a valid system user or master user code is introduced.	***Indication*** (**LED** / **LCD**) ① ② ③ ④ ⑤ ⑥ / 1 2 3 4 5 6
Until the Bell Time at Address 4012 ends.	The FIRE signal duration is set at address 4022 BELL TIME.	***Indication*** (**LED** / **LCD**) ❶ ❷ ❸ ❹ ❺ ❻ / (1) (2) (3) (4) (5) (6)
Default settings - *Until a valid user code is entered*		

ADDRESSES 4026 and 4027 - PROGRAMMING OF THE ATTRIBUTES FOR PARTITION B
The programming is the same as for ADDRESS 4016 and 4017.
Default settings - *Same as PARTITION A*

6. PROGRAMMING OF COMMUNICATION DEVICES

6.1 General parameters

At **ADDRESSES 60xx** are programmed common parameters of the connected to the system communication devices.

Note: *Delete the queue of events to be sent to Address 0023 by single pressing the 0 button before configuring communicator parameters of the digital communicator.*

ADDRESS 6001 - NUMBER OF COMMUNICATION ATTEMPTS	
Number of communication attempts	Assign the number of attempts to connect to the central station for telephone monitoring and the number of repetitions of voice messages at this address that the Control Panel will make in case of unsuccessful communication or failure to acknowledge voice messages. The value assigned at this address is the number of attempts to be made for each of the telephones configured at addresses 6010 and 6020 - for the digital communicator, and at addresses 6031, 6032, 6033 and 6034 - for the voice dialer. (***Example***: *if the assigned value is 4 and two telephone numbers, the number of attempts which will be made are 8 - 4 for each telephone number*). Any messages to the central station will have priority. The attempts to connect to the central station will be terminated after the assigned number is reached. Transmission of the occurred events begins via the voice dialer to the telephones at addresses 6031 to 6034. The panel waits for 2 sec. after each “individual message” in order to receive a message reception acknowledgement. This is confirmed when the user presses key 9 on the telephone. The time needed to transmit one group of voice messages, where no confirmation has been received, is up to 1 minute. The transmission to the other telephones begins after confirmation has been received from one single telephone. After the assigned number of voice message transmissions is reached, the attempts to transmit voice messages will be terminated. The attempts to transmit will be renewed to the central station first, when the next transmission event occurs. The values between 0 and 9 are permitted. The desired value is entered by single-pressing the key of the respective figure. Where the value of 0 is entered, the panel will automatically implicate the value of 4 for the central station and the value of 2 for the voice dialer.
Default settings *- 0*	

ADDRESS 6002 - TEST MESSAGE TRANSMITTING PERIOD	
Test period	Duration of transmission of test message in hours (HH) from 00 to 99 is entered. The indication is hexadecimal. **Two digits must be entered. When entering a period shorter than 10 hours the first digit must be 0.**
Default settings *- 24 hours*	

ADDRESS 6003 - SETTING TEST START TIME FOR SENDING MESSAGE	
Test start time	At this address is set the first hour, at which the test message will start to be transmitted to central monitoring station. Hours and minutes are entered (HH:MM), as the entered time is the time of starting the first test. The next test time will start after the assigned at ADDRESS 6002 test period. The indication is hexadecimal.
Default settings *- 00:05 h.*	

ADDRESS 6010 - ENTERING TELEPHONE NUMBER 1 FOR THE COMMUNICATOR	
Telephone number 1 for the communicator	A telephone number is assigned for communicating with central station - No. 1. The indication is hexadecimal. The telephone number must not exceed 16 characters. Some special functions can be entered by using the next button combinations: 1. Buttons ARM + 0 - Switches on "pulse dialer". 2. Buttons ARM + 1 - Switches on "tone dialer". 3. Buttons ARM + 2 - 2 seconds pause. 4. Buttons ARM + 3 - Switches on "Wait dial tone". 5. Buttons ARM + 4 - "Blind dialing"; Switches off "Wait dial tone". 6. Buttons ARM + 5 - Deletes the entered telephone number*. **Dialing has been assigned a default tone signal and "Wait dial tone" function is switched on.** The entered telephone number and the special functions can be saved with pressing the ENT button. **** Note:*** *When there are no entered phone numbers at this address, use this key combination to disable the option "listening to the telephone line".*
Default settings *- there are no configured numbers, tone dialer*	

ADDRESS 6011 - ENTERING PROTOCOL 1 NUMBER FOR THE COMMUNICATOR

PROTOCOL 1

Enter central station No. 1 protocol number from the attached table. Valid are the symbols from 1 to 2, where:

Button	Protocol	*Indication*	
		LED	LCD
1	ADEMCO CONTACT ID*	① ② ③ ④ ⑤ ❻	1 2 3 4 5 (6)
2	SIA*	① ② ③ ④ ❺ ⑥	1 2 3 4 (5) 6

* ***Note:*** *See also the code tables in the APPENDIX C.*

Default settings *- SIA*

ADDRESS 6012 - TYPES OF MESSAGES TRANSMITTED FROM THE DIGITAL COMMUNICATOR FOR PROT. 1

Message type

At this address are assigned the type of the messages which will be transmitted to a central monitoring station in case of alarm condition through telephone number 1. Here also is assigned and the transmitting algorithm of the messages. The following report options can be set:
1. Message report from at least one of the two telephone numbers - Alternative report.
2. Independent message report to both telephone numbers - Split report.
3. Message report from one telephone number, which is also duplicated at the second - Both report.

Note: *To the telephone number 1 can be programmed to be transmitted only chosen messages. In case the user wants some messages to be transmitted and through telephone number 2, then the same chosen messages have to be assigned and at ADDRESS 6022. If it does not matter through which of the both telephone numbers, 1 and/or 2, the messages are sent, you have to leave the ADDRESS 6022 with its default programming (No messages are assigned).*

The digital buttons 1 to 6 are used for programming. Pressing them each time will alternatively change the status of the respective message type - report (active status of the parameter) or no report (inactive status of the parameter). At the end of the procedure only those parameters, which correspond to the designated for report messages, should remain activated on the display.

At the default settings the display will show:

LED	LCD
❶ ❷ ❸ ❹ ❺ ❻	(1) (2) (3) (4) (5) (6)

1. ALARM	ALARM and TAMPER type messages are transmitted.
2. PANIC	PANIC type messages or entered ambush code are transmitted.
3. FIRE	FIRE and TAMPER type messages are transmitted.
4.ON/ OFF+BPS	BYPASS, ON/OFF type messages and engineer programming input are transmitted.
5. MEDICAL	MEDICAL type messages are transmitted.
6. TROUBLE	TROUBLE and TEST type messages are transmitted.

Default settings *- ALARM, PANIC, FIRE, ON/OFF+BPS, MEDICAL and TROUBLE*

ADDRESS 6020 - ENTERING TELEPHONE NUMBER 2 FOR THE COMMUNICATOR

Telephone number 2 for the communicator

A telephone number is assigned for communicating with central station - No. 2.
The indication is hexadecimal. The telephone number must not exceed 16 characters.
Some special functions can be entered by using the next button combinations:
1. Buttons ARM + 0 - Switches on "pulse dialer".
2. Buttons ARM + 1 - Switches on "tone dialer".
3. Buttons ARM + 2 - 2 seconds pause.
4. Buttons ARM + 3 - Switches on "Wait dial tone".
5. Buttons ARM + 4 - "Blind dialing"; Switches off "Wait dial tone".
6. Buttons ARM + 5 - Deletes the entered telephone number*.

Dialing has been assigned a default tone signal and "Wait dial tone" function is switched on.

The entered telephone number and the special functions can be saved with pressing the ENT button.

* ***Note:*** *When there are no entered phone numbers at this address, use this key combination to disable the option "listening to the telephone line".*

Default settings *- there are no configured numbers, tone dialer*

ADDRESS 6021 - ENTERING PROTOCOL 2 NUMBER FOR THE COMMUNICATOR

PROTOCOL 2

Enter central station No. 1 protocol number from the attached table. Valid are the symbols from 1 to 2, where:

Button	Protocol	*Indication*	
		LED	LCD
1	ADEMCO CONTACT ID*	① ② ③ ④ ⑤ ❻	1 2 3 4 5 (6)
2	SIA*	① ② ③ ④ ❺ ⑥	1 2 3 4 (5) 6

* ***Note:*** *See also the code tables in the APPENDIX C.*

Default settings *- SIA*

ADDRESS 6022 - TYPES OF MESSAGE TRANSMITTED FROM THE DIGITAL COMMUNICATOR, FOR PROT. 2

Messages — The programming is the same as for ADDRESS 6012.

Default settings *- No messages are assigned*

ADDRESS 6030 - RECORDING AND LISTENING OF VOICE MESSAGES

VD60 Voice Dialer Programming

You can record and listen to messages in the voice dialer at this address.

At *APPENDIX E is given a detailed algorithm for recording and listening to of the voice messages.*

Note: *Recording and listening of voice messages can be done only if a voice dialer VD60 is integrated to the CA62 control panel (main PCB).*

ADDRESS 6031 - ENTERING TELEPHONE NUMBER 1 FOR THE DIALER

Telephone number 1 for the dialer

A telephone number is assigned for communicating via voice dialer No. 1. The indication is hexadecimal. The telephone number must not exceed 16 characters
Some special functions can be entered by using the next button combinations:
1. Buttons ARM + 0 - Switches on "pulse dialer".
2. Buttons ARM + 1 - Switches on "tone dialer".
3. Buttons ARM + 2 - 2 seconds pause.
4. Buttons ARM + 3 - Switches on "Wait dial tone".
5. Buttons ARM + 4 - "Blind dialing"; Switches off "Wait dial tone".
6. Buttons ARM + 5 - Deletes the entered telephone number*.

Dialing has been assigned a default tone signal and "Wait dial tone" function is switched on.

The entered telephone number and the special functions can be saved with pressing the ENT button.

**** Note:*** *When there are no entered phone numbers at this address, use this key combination to disable the option "listening to the telephone line".*

Default settings *- there are no configured numbers*

ADDRESS 6032 - ENTERING TELEPHONE NUMBER 2 FOR THE DIALER

Telephone number 2 for the dialer — A telephone number is assigned for communicating via voice dialer No. 2.
The programming is the same as at the ADDRESS 6031.

Default settings *- there are no configured numbers*

ADDRESS 6033 - ENTERING TELEPHONE NUMBER 3 FOR THE DIALER

Telephone number 3 for the dialer — A telephone number is assigned for communicating via voice dialer No. 3.
The programming is the same as at the ADDRESS 6031.

Default settings *- there are no configured numbers*

ADDRESS 6034 - ENTERING TELEPHONE NUMBER 4 FOR THE DIALER

Telephone number 4 for the dialer — A telephone number is assigned for communicating via voice dialer No. 4.
The programming is the same as at the ADDRESS 6031.

Default settings *- there are no configured numbers*

ADDRESS 6035 - GROUPS OF MESSAGES FOR VOICE DIALER TRANSMISSION		
VD60 group messages	Programming the groups of message to be transmitted by the voice dialer at this address. The possible options are 0 and 1. The status of the parameter is changed with pressing a random digit number. At SUPPLEMENT *E - Examples for voice messages,* are shown an examples for voice messages for zones and events.	
0 (Zone)	Transmitting messages by zones.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
1 (Events)	Transmitting messages by events.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default settings *- 1 (Events)*		

ADDRESS 6036 - TRANSMITTING MESSAGES FROM THE VOICE DIALER		
Transmitting messages from VD60	Stopping the voice messages transmitting is set on this address. It is possible the user stop the transmitting with entering a valid user code. Every click of a digital button alternatively changes the parameter status. The display indication is shown in the tables.	
NO	The message transmitting can be stopped with entering of valid user code.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
YES	The message transmitting cannot be stopped - the dialer will sent all necessary voice messages by zones/events.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default settings *- NO*		

6.2 Remote programming

The parameters for up / download programming of the integrated digital communicator and the VD60 voice dialer are set on **ADDRESSES 69xx**.

ADDRESS 6901 - PERSONAL COMPUTER IDENTIFICATION NUMBER FOR UP / DOWN LOADING	
PC ID	The PC ID number for up / down loading is configured at this address. Four digits can be introduced. Valid are symbols 0 to 9. The entered number is saved with pressing the ENT button.
Default settings *- 1234*	

ADDRESS 6902 - CONTROL PANEL IDENTIFICATION NUMBER	
Panel ID	The control panel up/down loading ID number is entered at this address. Four digits can be introduced. Valid are symbols 0 to 9. The entered number is saved with pressing the ENT button.
Default settings *- 1234*	

ADDRESS 6904 - NUMBER OF RINGS	
Number of rings	The symbols 0 to 9 are used. RINGS Up/ down loading is disabled if 0 is entered. **ATTENTION: It is recommended this parameter does not exceed the value of 7!**
Default settings *- 4*	

ADDRESS 6905 - ANSWERING MACHINE FUNCTION		
Answering machine	This address enables the Answering Machine function for up / down loading. Every push of the digital button alternatively changes enabled to disabled status. Priority should be given to any automatic answering devices (like FAX or telephone answering machines), if such are connected to the telephone line. The Answering Machine function should be enabled in such cases. During initial income of a series of calls (rings), the CA62 temporizes the maximum number of calls, set at Address 6904. The automatic answering machine must be adjusted to a fewer number of rings. If within four minutes there is another series of incoming calls the CA62 shall answer the first one. The display indication is shown in the tables below.	
NO	The "Answering machine" function is disabled.	***Indication*** **LED** ① ② ③ ④ ⑤ ⑥ / **LCD** 1 2 3 4 5 6
YES	The "Answering machine" function is enabled.	***Indication*** **LED** ❶ ❷ ❸ ❹ ❺ ❻ / **LCD** (1) (2) (3) (4) (5) (6)
Default settings *- NO*		

7. PROGRAMMING OF PERIPHERAL DEVICES

7.1 Programming of Keyboards

At ADDRESSES 70xx are programmed the parameters and the attributes for the connected to the system keyboards. Up to 4 keyboards can be connected in the system.

ATTENTION:
The keyboards models LED61, LCD62 and LCD62B DO NOT SUPPORT SIMULTANEOUSLY OPERATION WITH THE BOTH PARTITIONS A and B.
Simultaneously operation with A and B partitions are supported from LED62, LED63VG SE, LCD63SE, LCD64 keyboards.

ADDRESS 7000 - CHECKING THE SET KEYBOARD ADDRESS	
Keyboard address	At this address the set with jumpers address of each keyboard can be checked. The indication is hexadecimal.

ADDRESS 7010 - KEYBOARD 1 SETTINGS		
Keyboard 1 Settings	At this address the Keyboard 1 parameters are assigned. The digital buttons 1 to 6 are used for programming. Pressing them each time will alternatively change the status of the parameter - active / inactive. At the end of the procedure only those parameters, which correspond to the desired settings, should remain activated on the display. ***Note:*** *If a keyboard is attached to neither of the partitions, it can not control the system - arming, disarming, bypass and etc. The user can only enter the engineer menu and do some settings in the system.* ***At the default settings the display will show:*** **LED** ❶ ② ③ ④ ⑤ ❻ — **LCD** (1) 2 3 4 5 (6)	
1. PART A	The keyboard is attached to Partition A. The User can perform actions in Partition A*.	
2. PART B	The keyboard is attached to Partition B. The User can perform actions in Partition B**.	
3. Chime disable	This is local setting for the keyboard. When the attribute is assigned the keyboard will not produce the "Chime" sound signal.	**Attribute** / ***Indication*** (**LED** / **LCD**) OFF — ③ — 3 ON — ❸ — (3)
4. Keypad zone	With this attribute is assigning the number of the keyboard zone - 1 or 7. With set parameter the keyboard will be zone 7. See also the table on the right.	**Keypad zone** / ***Indication*** (**LED** / **LCD**) ZONE 1 — ④ — 4 ZONE 7 — ❹ — (4)
5. Silent Panic	With this attribute is assigned, in case of sent PANIC alarm signal from the keyboard, the siren will not sound.	**Attribute** / ***Indication*** (**LED** / **LCD**) Disabled — ⑤ — 5 Enabled — ❺ — (5)
6. Zone Enable	With this attribute the engineer can disable or enable the keyboard zone.	**Attribute** / ***Indication*** (**LED** / **LCD**) Disabled — ⑥ — 6 Enabled — ❻ — (6)
Default settings *- PART A, Zone Enable*		

**** User with a personal code with rights to operate in Partition A. User code with rights to operate only with Partition B will be rejected.***

***** User with a personal code with rights to operate in Partition B. User code with rights to operate only with Partition A will be rejected.***

ADDRESS 7011 - LEFT ARROW BUTTON OF KEYBOARD 1	
"Left arrow" button of Keyboard1	At this address the arming mode of the system with the "left arrow" button of the keyboard 1 is assigned. The digital buttons 1 to 6 are used for programming. Pressing them each time will alternatively change the status of the parameter - active / inactive. Only one attribute can be assigned.
1. Full Arm PART A	Full arming mode for PARTITION A.
2. Stay Arm PART A	Stay arming mode for PARTITION A - the user is allowed to stay in certain zones in PARTITION A.
3. Stay Arm Part B	Stay arming mode for PARTITION B - the user is allowed to stay in certain zones in PARTITION B.
4. Inst Arm Part A	Instant arming mode of PARTITION A.
5. Inst Arm Part B	Instant arming mode of PARTITION B.
6. Arm Following	The arming of the partition(s) is with specifying the arming mode type: Full, Stay or Instant. *Example:* With assigning this parameter, the system arming will be as follows: ◄ (left arrow) + 0 - Full Arming Mode ◄ (left arrow) + 1 - Stay Arming Mode ◄ (left arrow) + 2 - Instant Arming Mode
***Default settings** - Arm Following*	

ADDRESS 7012 - RIGHT ARROW BUTTON OF KEYBOARD 1	
"Right arrow" button of Keyboard1	At this address the arming mode of the system with the "right arrow" button of the keyboard 1 is assigned. The digital buttons 1 to 6 are used for programming. Pressing them each time will alternatively change the status of the parameter - active / inactive. Only one attribute can be assigned.
1. Full Arm PART B	Full arming mode for PARTITION B.
2. Stay Arm PART A	Stay arming mode for PARTITION A - the user is allowed to stay in certain zones in PARTITION A.
3. Stay Arm Part B	Stay arming mode for PARTITION B - the user is allowed to stay in certain zones in PARTITION B.
4. Inst Arm Part A	Instant arming mode of PARTITION A.
5. Inst Arm Part B	Instant arming mode of PARTITION B.
6. Arm Following	The arming of the partition(s) is with specifying the arming mode type: Full, Stay or Instant. *Example:* With assigning this parameter, the system arming will be as follows: ► (right arrow) + 0 - Full Arming Mode ► (right arrow) + 1 - Stay Arming Mode ► (right arrow) + 2 - Instant Arming Mode
***Default settings** - Arm Following*	

ADDRESS 7013 - ARM BUTTON FOR KEYBOARD 1	
ARM Button Keyboard 1	At this address the function of "ARM" button of the keyboard 1 is assigned. ***Note:** In the LED62 the button ⏻ corresponds to ARM button*. The digital buttons 1, 2 and 6 are used for programming. Pressing them each time will alternatively change the status of the parameter - active / inactive. Only one attribute can be assigned.
1. No ARM	The ARM button is disabled for arming the system.
2. Full ARM All	The ARM button is enabled for Full arming of the partition(s) to which the keyboard is attached. DISARMING the both Partitions with one button (ARM) will function **only**, when at ADDRESS 7010 both attributes 1. PART A and 2. PART B are assigned.

6. Arm * Following	The arming of the partition(s) is with specifying the arming mode type: Full, Stay or Instant. *Example:* With assigning this parameter, the system arming will be as follows: ARM or ⏻ + 0 - Full Arming Mode ARM or ⏻ + 1 - Stay Arming Mode ARM or ⏻ + 2 - Instant Arming Mode * ***NOTE:*** *The Arm Following procedure is applied to user codes attached only to one of the Partitions.*
Default settings *- Arm Following*	

ADDRESSES 7020 ... 7023 – KEYBOARD 2 PROGRAMMING
The programming is the same as at ADDRESSES 7010 - 7013, as the programming is for Keyboard 2.
Default settings*:* ***Configuration*** *- PARTITION A, Zone Enable;* ***Left arrow*** *- ARM Following;* ***Right arrow*** *- ARM Following;* ***ARM button*** *- ARM Following*

ADDRESSES 7030 ... 7033 – KEYBOARD 3 PROGRAMMING
The programming is the same as at ADDRESSES 7010 - 7013, as the programming is for Keyboard 3.
Default settings*:* ***Configuration*** *- PARTITION A, Zone Enable;* ***Left arrow*** *- ARM Following;* ***Right arrow*** *- ARM Following;* ***ARM button*** *- ARM Following*

ADDRESSES 7040 ... 7043 – KEYBOARD 4 PROGRAMMING
The programming is the same as at ADDRESSES 7010 - 7013, as the programming is for Keyboard 4.
Default settings*:* ***Configuration*** *- PARTITION A, Zone Enable;* ***Left arrow*** *- ARM Following;* ***Right arrow*** *- ARM Following;* ***ARM button*** *- ARM Following*

7.2 Programming of Proxi Readers

At **ADDRESSES 71xx** are programmed the parameters and the attributes for the connected to the system proximity card readers. Up to 2 readers can be connected in the system.

ADDRESS 7100 - PROXI READER 1 SETTINGS	
Proxi 1 Settings	At this address the parameters of Proxi Reader 1 are assigned. Pressing them each time will alternatively change the status of the parameter - active / inactive. ***Note:*** *Every Proxi Reader can be attached to the both partitions in the system. In this case, if a proxi card with user rights for the both partitions in the system is approached to the reader - the both partitions will be armed or disarmed according their current status. If the one partition is armed and the other is disarmed, then approaching the same user card will disarm the armed partition. The next approaching of the user card will arm the both partitions again.* ***At the default settings the display will show:*** **LED** ❶ ② ③ ④ ⑤ ⑥ — **LCD** (1) 2 3 4 5 6
1. PART A	The Proxi Reader is attached to Partition A. ***Note:*** *When the Proxi Reader is attached to Partition A only, then with approaching a user card with the respective rights, if the Partition A is disarmed - it arms, if the Partition A is armed - it disarms.*
2. PART B	The Proxi Reader is attached to Partition B. ***Note:*** *When the Proxi Reader is attached to Partition B only, then with approaching a user card with the respective rights, if the Partition A is disarmed - it arms, if the Partition B is armed - it disarms.*
Default settings *- PART A*	

ADDRESS 7110 - PROXI READER 2 SETTINGS
The programming is the same as ADDRESS 7100, as the programming is for Proxi Reader 2.
Default settings*: PART A*

SUPPLEMENT A - Default programming tables

All parameters, attributes, codes and values in the system are program in one and same way.

Follow the next sequence when program the system:

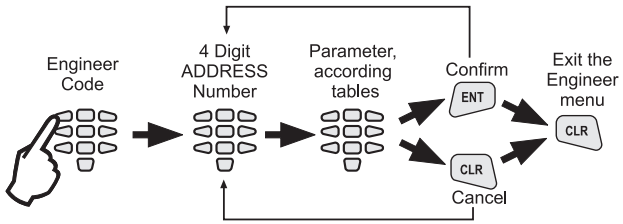


TABLE 1: Engineer Menu - DEFAULT CONFIGURATION 0, 1, 2 and 3

ADDRESS	MENU	DEFAULT CONFIGURATION 0						DEFAULT CONFIG. 1	DEFAULT CONFIG. 2	DEFAULT CONFIG. 3
		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6			
0. ENGINEER PARAMETERS AND COMMON SETTINGS										
0000	Engineer code (**7777**)			Digit 1	Digit 2	Digit 3	Digit 4	7777	7777	7777
0001	Reset enable	NO - LEDs off			YES - LEDs on			YES	YES	YES
0002	Default settings	Press the keys from 1 to 6 consequently and confirm by ENTER								
0003	Partial reset	Press the keys from 1 to 6 consequently and confirm by ENTER								
0010	Quick ARM enable	Part A	Part B					A and B	A and B	A and B
0011	Enable ambush code	NO - LEDs off			YES - LEDs on			NO	NO	NO
0012	Enable keypad block	NO - LEDs off			YES - LEDs on			NO	NO	NO
0013	Trouble mask	1. AC LOST	2. BATT LOW	3. FUSE BLOWN	4. NO TEL LINE	5. COMM ERROR	6. TAMPER	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6	1, 2, 3, 4, 5, 6
0014	AC delay	NO (Instant indication) - LEDs off			YES (Time delayed indication) - LEDs on			NO	NO	NO
0015	Line fault delay	Number 00 to 99 min → **00 min**.						15 min	15 min	15 min
0016	Bell on Tel Line Fault	Part A	Part B							
0017	Bell on TAMPER	Silent TAMPER in DISARM - LEDs off			Audible TAMPER in DISARM - LEDs on			Audible	Audible	Audible
0018	AC Time delay entry	A time delay indication for 220 V AC power supply failure in the range 0 - 180 min. The installer sets a two-digit number from 00 to 18, as every digit corresponds to 10 minutes interval. Defaut → **30 min**.						30 min	30 min	30 min
0020	Walk test	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 1- 6	ZONE 1- 6	ZONE 1- 6
0021	Keypad test	Testing the keyboards indication.								
0022	Outputs test	PGM1	PGM2	PGM3	PGM4			PGM 1 - 4	PGM 1 - 4	PGM 1 - 4
0023	Comm. Display	1. Dial tone	2. Dialling	3. Wait HS	4. Send data	5. Wait kiss-off	6. All sent	Steps 1- 6	Steps 1- 6	Steps 1- 6
0024	Display LOG	Viewing the LOG memory.								
0025	UDL / Direct UDL	1. Ring	2. Call back	3. Currier	4. Receive	5. Transmit	6. End	Steps 1- 6	Steps 1- 6	Steps 1- 6
0026	Comm. HW test	1. Relay	2. Dial tone	3. Low freq.	4. High freq.	5. DTMF “3”		Steps 1- 5	Steps 1- 5	Steps 1- 5
0030	Set clock	Clock setting (HH:MM). Default at RESET → **00:00**.								
0031	Set date	Date setting (DD.MM). Default at RESET → **01.01**.								
0040	Chime Enable/ Disable	NO - LEDs off			YES - LEDs on			NO	NO	NO
0099	Software revision	The Engineer can review the number of current software revision of the CA62 control panel at this address.								

1. USER AND MANAGER CODES PROGRAMMING										
1000	Default configurations	Enter the number of the desired default configuration from 0 to 3. Setting at RESET → **0.**								
1001	Code digits	4 digits - LEDs off			6 digits - LEDs on			4 digits	4 digits	4 digits
1010	User code 1 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(1111), A	(1111), A	(1111), A
1020	User code 2 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1030	User code 3 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1040	User code 4 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1050	User code 5 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1060	User code 6 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1070	User code 7 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1080	User code 8 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1090	User code 9 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1100	User code 10 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), A	(- - - -), A
1110	User code 11 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1120	User code 12 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1130	User code 13 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1140	User code 14 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1150	User code 15 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1160	User code 16 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1170	User code 17 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1180	User code 18 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1190	User code 19 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part 1	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1200	User code 20 (- - - -)	DISARM	STAY ARM	BYPASS	PROGRAM	Part A	Part B	(- - - -), A	(- - - -), B	(- - - -), B
1210	Chief Manager (**0000**)					Part A	Part B	(0000); A, B	(0000); A, B	(0000); A, B
1220	Manager 1 (- - - -)					Part A	Part B	(- - - -)	(- - - -), A	(- - - -), A
1230	Manager 2 (- - - -)					Part A	Part B	(- - - -)	(- - - -), B	(- - - -), B
1240	Manager 3 (- - - -)					Part A	Part B	(- - - -)	(- - - -)	(- - - -)

(- - - -) means, that there is no default programmed code for this user

- Default settings at hardware or software RESET. The default CONFIGURATION 0 is set by default.

TABLE 1 continues ➡

ADDRESS	MENU	DEFAULT CONFIGURATION 0						DEFAULT CONFIG. 1	DEFAULT CONFIG. 2	DEFAULT CONFIG. 3
		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6			
2. PROGRAMMING OF ZONES										
2000	AutoBypass counter	Enter a number from 0 to 9. Setting at RESET → 6						6	6	6
2001	Enable Instant	NO - LEDs off			YES - LEDs on			NO	NO	NO
2010	Zone 1 type	**0. UNUSED** \ 1. Entry-Exit \ 2. FOLLOW \ 3. INSTANT \ 4. FIRE \ 5. PANIC \ 6. TAMPER \ 7. MEDICAL \ 8. KEY-SWITCH \ 9. AUXILIARY						1. Entry-Exit	1. Entry-Exit	1. Entry-Exit
2011	ZONE 1 ATTRIBUTES 1	1.AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2. BYPASS	2. BYPASS	2. BYPASS
2012	ZONE 1 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2013	ZONE 1 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2014	ZONE 1 ATTRIBUTES AUX	**00. 24h Burglary** \ 01. Battery Low \ 02. Gas detector \ 03. Water Leakage \ 04. AC Lost\ 05. GSM Link Trouble \ 06. Refrigeration \ 07. Loss of heat \ 08. Foil Break \ 09. Low Bottled gas level \ 10. High temperature \ 11. Low temperature						00. 24h Burglary	00. 24h Burglary	00. 24h Burglary
2015	ZONE 1 Attachment	Part A	Part B					Part A	Part A	Part A and B
2020	Zone 2 type	Choose the type of ZONE 2 (0 - 9). Setting at RESET → **0. UNUSED**						2. FOLLOW	2. FOLLOW	2. FOLLOW
2021	ZONE 2 ATTRIBUTES 1	1.AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2 and 3	2 and 3	2 and 3
2022	ZONE 2 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2023	ZONE 2 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2024	ZONE 2 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 2 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2025	ZONE 2 Attachment	Part A	Part B					Part A	Part A	Part A and B
2026	ZONE 2 Hardware	1. EOL	2. Fast/ Regular	3.Power-up Delay	4.DOUBLING					
2030	Zone 3 type	Choose the type of ZONE 3 (0 - 9). Setting at RESET → **0. UNUSED**						3. INSTANT	3. INSTANT	3. INSTANT
2031	ZONE 3 ATTRIBUTES 1	1.AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2 and 3	2 and 3	2 and 3
2032	ZONE 3 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2033	ZONE 3 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2034	ZONE 3 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 3 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2035	ZONE 3 Attachment	Part A	Part B					Part A	Part A	Part A
2036	ZONE 3 Hardware	1. EOL	2. Fast/ Regular	3.Power-up Delay	4.DOUBLING					
2040	Zone 4 type	Choose the type of ZONE 4 (0 - 9). Setting at RESET → **0. UNUSED**						3. INSTANT	1. Entry-Exit	3. INSTANT
2041	ZONE 4 ATTRIBUTES 1	1.AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2 and 3	2 and 3	2 and 3
2042	ZONE 4 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2043	ZONE 4 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2044	ZONE 4 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 4 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2045	ZONE 4 Attachment	Part A	Part B					Part A	Part B	Part A
2046	ZONE 4 Hardware	1. EOL	2. Fast/ Regular	3.Power-up Delay	4.DOUBLING					
2047	Zone 4 counter	Enter a number from 0 to 9. Setting at RESET → **0**						0	0	0

TABLE 1 continues ➡

2050	Zone 5 type	Choose the type of ZONE 5 (0 - 9). Setting at RESET → **0. UNUSED**						5. PANIC	2. FOLLOW	3. INSTANT
2051	ZONE 5 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2	2 and 3	2
2052	ZONE 5 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2053	ZONE 5 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2054	ZONE 5 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 5 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2055	ZONE 5 Attachment	Part A	Part B					Part A	Part B	Part B
2056	ZONE 5 Hardware	1. EOL	2. Fast/ Regular	3.Power-up Delay	4.DOUBLING					
2060	Zone 6 type	Choose the type of ZONE 6 (0 - 9). Setting at RESET → **0. UNUSED**						6. TAMPER	3. INSTANT	3. INSTANT
2061	ZONE 6 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL		2 and 3	2
2062	ZONE 6 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2063	ZONE 6 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2064	ZONE 6 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 6 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2065	ZONE 6 Attachment	Part A	Part B					Part A	Part B	Part B
2066	ZONE 6 Hardware	1. EOL	2. Fast/ Regular	3.Power-up Delay	4.DOUBLING					
2070	Zone 7 type	Choose the type of ZONE 7 (0 - 9). Setting at RESET → **0. UNUSED**						0. UNUSED	0. UNUSED	0. UNUSED
2071	ZONE 7 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2	2	2
2072	ZONE 7 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2073	ZONE 7 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2074	ZONE 7 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 7 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2075	ZONE 7 Attachment	Part A	Part B					Part A	Part A	Part A
2080	Zone 8 type	Choose the type of ZONE 8 (0 - 9). Setting at RESET → **0. UNUSED**						0. UNUSED	0. UNUSED	0. UNUSED
2081	ZONE 8 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2	2	2
2082	ZONE 8 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2083	ZONE 8 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2084	ZONE 8 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 8 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2085	ZONE 8 Attachment	Part A	Part B					Part A	Part A	Part A
2090	Zone 9 type	Choose the type of ZONE 9 (0 - 9). Setting at RESET → **0. UNUSED**						0. UNUSED	0. UNUSED	0. UNUSED
2091	ZONE 9 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2	2	2
2092	ZONE 9 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2093	ZONE 9 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2094	ZONE 9 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 9 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2095	ZONE 9 Attachment	Part A	Part B					Part A	Part A	Part A
2100	Zone 10 type	Choose the type of ZONE 10 (0 - 9). Setting at RESET → **0. UNUSED**						0. UNUSED	0. UNUSED	0. UNUSED
2101	ZONE10 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2	2	2
2102	ZONE10 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2103	ZONE 10 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2104	ZONE 10 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 10 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2105	ZONE 10 Attachment	Part A	Part B					Part A	Part A	Part A

TABLE 1 continues ➡

ADDRESS	MENU	DEFAULT CONFIGURATION 0						DEFAULT CONFIG. 1	DEFAULT CONFIG. 2	DEFAULT CONFIG. 3
		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6			
2110	Zone 11 type	Choose the type of ZONE 11 (0 - 9). Setting at RESET → **0. UNUSED**						0. UNUSED	0. UNUSED	0. UNUSED
2111	ZONE 11 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2	2	2
2112	ZONE 11 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2113	ZONE 11 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2114	ZONE 11 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 11 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2115	ZONE 11 Attachment	Part A	Part B					Part A	Part A	Part A
2120	Zone 12 type	Choose the type of ZONE 12 (0 - 9). Setting at RESET → **0. UNUSED**						0. UNUSED	0. UNUSED	0. UNUSED
2121	ZONE 12 ATTRIBUTES 1	1. AUTOBYPASS	2. BYPASS	3. STAY	4. FORCE	5. DOUBLE	6. E/E FINAL	2	2	2
2122	ZONE 12 ATTRIBUTES 2	1. Bell delay	2. Silent	3. VideoOnArmed	4. Write to LOG	5. Chime				
2123	ZONE 12 ATTRIBUTES 3	1. Pulse / Latch	2. Full / Stay	3. Disarm Enable				3.Disarm En.	3.Disarm En.	3.Disarm En.
2124	ZONE 12 ATTRIBUTES AUX	Choose the Attribute AUX for ZONE 12 (00 - 11).Setting at RESET → **00. 24h Burglary**						00	00	00
2125	ZONE 12 Attachment	Part A	Part B					Part A	Part A	Part A
3. PGM AND SIREN OUTPUTS PROGRAMMING										
3010	PGM 1 Parameters 1	1. ALARM	2. PANIC	3. TAMPER	4. FIRE	5. FIRE RESET	6. ON / OFF	6	6	6
3011	PGM 1 Parameters 2	1. MEDICAL	2. PS/BYPASS	3. SIREN	4. TECH.TRBL	5. PULSE/LATCH	6. POLARITY	6	6	6
3012	PGM 1 Attachment	Part A	Part B					Part A	Part A	Part A
3013	PGM 1 Extension	**00. No Extension** \ 01. Battery Trouble \ 02. Blown Fuse \ 03. Tel. Line Trouble \ 04. AC Loss - Main board \ 05. AC Loss - Zone \ 06. Keypad Alarm \ 07. Keypad Fire Alarm\ 08. Keypad Panic Alarm \ 09. AMBUHS Code \ 10. Chime \ 11. Auxiliary Alarm \ 12. Battery Trouble \ 13. Wireless Transmitter Supervision Loss \ 14. Wireless Transmitter Battery Low \ 15. Auto-ARM \ 16. Vide-On-Armed \ 17. Zone Violation \ 18. Code Used Signalling \ 19. Proximity Card Used Signalling						00	00	00
3014	PGM 1 Extension X1	Code/ Zone 1	Code/ Zone 2	Code/ Zone 3	Code/ Zone 4	Code/ Zone 5	Code/ Zone 6			
3015	PGM 1 Extension X2	Code/ Zone 7	Code/ Zone 8	Code/ Zone 9	Code/ Zone 10	Code/ Zone 11	Code/ Zone 12			
3016	PGM 1 Extension X3	Code 13	Code 14	Code 15	Code 16	Code 17	Code 18			
3017	PGM 1 Extension X4	Code 19	Code 20	Manager	Manager 1	Manager 2	Manager 3			
3018	PGM 1 Device ID	Keyboard 1	Keyboard 2	Keyboard 3	Keyboard 4					
3019	PGM 1 Device ID			Proxi Reader 1	Proxi Reader 2					
3020	PGM 2 Parameters 1	1. ALARM	2. PANIC	3. TAMPER	4. FIRE	5. FIRE RESET	6. ON / OFF	1, 3	1, 3	1, 3
3021	PGM 2 Parameters 2	1. MEDICAL	2. PS/BYPASS	3. SIREN	4. TECH.TRBL	5. PULSE/LATCH	6. POLARITY	6	6	6
3022	PGM 2 Attachment	Part A	Part B					Part A	Part A	Part A
3023	PGM 2 Extension	Choose an Extension number for PGM 2 (00 - 19). Setting at RESET → **00. No Extension**						00	00	00
3024	PGM 2 Extension X1	Code/ Zone 1	Code/ Zone 2	Code/ Zone 3	Code/ Zone 4	Code/ Zone 5	Code/ Zone 6			
3025	PGM 2 Extension X2	Code/ Zone 7	Code/ Zone 8	Code/ Zone 9	Code/ Zone 10	Code/ Zone 11	Code/ Zone 12			

TABLE 1 continues ➡

3026	PGM 2 Extension X3	Code 13	Code 14	Code 15	Code 16	Code 17	Code 18			
3027	PGM 2 Extension X4	Code 19	Code 20	Manager	Manager 1	Manager 2	Manager 3			
3028	PGM 2 Device ID	Keyboard 1	Keyboard 2	Keyboard 3	Keyboard 4					
3029	PGM 2 Device ID			Proxi Reader 1	Proxi Reader 2					
3030	PGM 3 Parameters 1	1. ALARM	2. PANIC	3. TAMPER	4. FIRE	5. FIRE RESET	6. ON / OFF			
3031	PGM 3 Parameters 2	1. MEDICAL	2. PS/BYPASS	3. SIREN	4. TECH.TRBL	5. PULSE/LATCH	6. POLARITY	4, 6	4, 6	4, 6
3032	PGM 3 Attachment	Part A	Part B					Part A	Part A	Part A
3033	PGM 3 Extension	Choose an Extension number for PGM 3 (00 - 19). Setting at RESET → **00. No Extension**						00	00	00
3034	PGM 3 Extension X1	Code/ Zone 1	Code/ Zone 2	Code/ Zone 3	Code/ Zone 4	Code/ Zone 5	Code/ Zone 6			
3035	PGM 3 Extension X2	Code/ Zone 7	Code/ Zone 8	Code/ Zone 9	Code/ Zone 10	Code/ Zone 11	Code/ Zone 12			
3036	PGM 3 Extension X3	Code 13	Code 14	Code 15	Code 16	Code 17	Code 18			
3037	PGM 3 Extension X4	Code 19	Code 20	Manager	Manager 1	Manager 2	Manager 3			
3038	PGM 3 Device ID	Keyboard 1	Keyboard 2	Keyboard 3	Keyboard 4					
3039	PGM 3 Device ID			Proxi Reader 1	Proxi Reader 2					
3040	SIREN (PGM4) Parameters 1	1. ALARM	2. PANIC	3. TAMPER	4. FIRE	5. FIRE RESET	6. ON / OFF			
3041	SIREN (PGM4) Parameters 2	1. MEDICAL	2. PS/BYPASS	3. SIREN	4. TECH.TRBL	5. PULSE/LATCH	6. POLARITY	3, 6	3, 6	3, 6
3042	SIREN (PGM4) Attachment	Part A	Part B					Part A		
3043	SIREN (PGM4) Extension	Choose an Extension number for PGM 4 (00 - 19). Setting at RESET → **00. No Extension**						00	00	00
3044	SIREN (PGM4) Extension X1	Code/ Zone 1	Code/ Zone 2	Code/ Zone 3	Code/ Zone 4	Code/ Zone 5	Code/ Zone 6			
3045	SIREN (PGM4) Extension X2	Code/ Zone 7	Code/ Zone 8	Code/ Zone 9	Code/ Zone 10	Code/ Zone 11	Code/ Zone 12			
3046	SIREN (PGM4) Extension X3	Code 13	Code 14	Code 15	Code 16	Code 17	Code 18			
3047	SIREN (PGM4) Extension X4	Code 19	Code 20	Manager	Manager 1	Manager 2	Manager 3			
3048	SIREN (PGM4) Device ID	Keyboard 1	Keyboard 2	Keyboard 3	Keyboard 4					
3049	SIREN (PGM4) Device ID			Proxi Reader 1	Proxi Reader 2					
4. PARTITIONS PROGRAMMING										
4010	Exit time Part A	Enter Exit time for Part A (0-99 sec). Settings at RESET → **45**.						45	45	45
4011	Entry time Part A	Enter Entry time for Part A (0-99 sec). Settings at RESET → **15**.						15	15	15
4012	Bell time Part A	0-99 min. Settings at → **3**.						3	3	3
4013	Bell delay Part A	0-99 min. Settings at → **0**.						0	0	0
4014	Auto ARM time Part A	Enter time (HH:MM) for Automatic ARM of Part A. Settings at RESET → **00:00**.						00:00	00:00	00:00
4015	FIRE Duration Part A	Until a valid user code - LEDs off			Bell Time at ADDRESS 4012 - LEDs on			Valid Code	Valid Code	Valid Code
4016	ATTRIBUTES Part A	1. Sqwk ARM	2. Sqwk DISARM	3. Auto-Arm Enbl	4. Arm Full / Stay					
4017	Communication account Part A	Communication account for Part A - 4 digits (from 0 to 9 + symbols A to F). Settings at RESET → **FFFF.**						9999	9999	9999

TABLE 1 continues ➡

ADDRESS	MENU	DEFAULT CONFIGURATION 0						DEFAULT CONFIG. 1	DEFAULT CONFIG. 2	DEFAULT CONFIG. 3
		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6			
4020	Exit time Part B	Enter Exit time for Part B (0-99 sec). Settings at RESET → **45**.						45	45	45
4021	Entry time Part B	Enter Entry time for Part B (0-99 sec). Settings at RESET → **15**.						15	15	15
4022	Bell time Part B	0-99 min. Settings at RESET → **3**.						3	3	3
4023	Bell delay Part B	0-99 min. Settings at RESET → **0**.						0	0	0
4024	Auto ARM time Part B	Enter time (HH:MM) for Automatic ARM of Part B. Settings at RESET → **00:00**.						00:00	00:00	00:00
4025	FIRE Duration Part B	Until a valid user code - LEDs off			Bell Time at ADDRESS 4022 - LEDs on			Valid Code	Valid Code	Valid Code
4026	ATTRIBUTES Part B	1. Sqwk ARM	2. Sqwk DISARM	3. Auto-Arm Enbl	4. Arm Full / Stay					
4027	Communication account Part B	Communication account for Part B - 4 digits (from 0 to 9 + symbols A to F). Settings at RESET → **FFFF.**						9999	9999	9999
6. PROGRAMMING OF COMMUNICATION DEVICES										
6001	Communication attempts	From 0 to 9 attempts. Settings at RESET -> **0**, meaning 4 attempts						0, 4 attempts	0, 4 attempts	0, 4 attempts
6002	Test period	Enter the duration of the test period - from 00 to 99 hours. Settings at RESET → **24**.						24	24	24
6003	Test start time	Enter the time for starting test period (HH:MM). Settings at RESET → **00:05**.						00:05	00:05	00:05
6010	Telephone number 1	Max. phone number length - 16 symbols, pulse dialing=ARM+0, DTMF dialing=ARM+1, pause=ARM+2, Enabling "Dial tone detector"=ARM+3, Disabling "Dial tone detector" =ARM=4, clear number=ARM+5. Default settings at RESET -> **no number**.						no tel. number	no tel. number	no tel. number
6011	Comm. Protocol 1	Enter communication protocol number (1 - Contact ID; 2-SIA). Settings at RESET → **2-SIA**.						2	2	2
6012	Messages	1. ALARM	2. PANIC	3. FIRE	4. ON/OFF+BPS	5. MEDICAL	6. TROUBLE	from 1 to 6	from 1 to 6	from 1 to 6
6020	Telephone number 2	Max. phone number length - 16 symbols, pulse dialing=ARM+0, DTMF dialing=ARM+1, pause=ARM+2, Enabling "Dial tone detector"=ARM+3, Disabling "Dial tone detector" =ARM=4, clear number=ARM+5. Default settings at RESET -> **no number**.						no tel. number	no tel. number	no tel. number
6021	Comm. Protocol 2	Enter communication protocol number (1 - Contact ID; 2-SIA). Settings at RESET → **2-SIA**.						2	2	2
6022	Messages	1. ALARM	2. PANIC	3. FIRE	4. ON/OFF+BPS	5. MEDICAL	6. TROUBLE			
6030	VD60 Programming	Records and Playback voice message into voice dialer VD60								
6031	Dialer VD60 Telephone number 1	Max. phone number length - 16 symbols, pulse dialing=ARM+0, DTMF dialing=ARM+1, pause=ARM+2, Enabling "Dial tone detector"=ARM+3, Disabling "Dial tone detector" =ARM=4, clear number=ARM+5. Default settings at RESET -> **no number**.						no tel. number	no tel. number	no tel. number
6032	Dialer VD60 Telephone number 2	Max. phone number length - 16 symbols, pulse dialing=ARM+0, DTMF dialing=ARM+1, pause=ARM+2, Enabling "Dial tone detector"=ARM+3, Disabling "Dial tone detector" =ARM=4, clear number=ARM+5. Default settings at RESET -> **no number**.						no tel. number	no tel. number	no tel. number
6033	Dialer VD60 Telephone number 3	Max. phone number length - 16 symbols, pulse dialing=ARM+0, DTMF dialing=ARM+1, pause=ARM+2, Enabling "Dial tone detector"=ARM+3, Disabling "Dial tone detector" =ARM=4, clear number=ARM+5. Default settings at RESET -> **no number**.						no tel. number	no tel. number	no tel. number
6034	Dialer VD60 Telephone number 4	Max. phone number length - 16 symbols, pulse dialing=ARM+0, DTMF dialing=ARM+1, pause=ARM+2, Enabling "Dial tone detector"=ARM+3, Disabling "Dial tone detector" =ARM=4, clear number=ARM+5. Default settings at RESET -> **no number**.						no tel. number	no tel. number	no tel. number

TABLE 1 continues ➡

6035	Events VD60	0 - Alarm/ TAMPER by zones			1 - Alarm, Panic, Tamper, Fire, Medical, AC LOST, BATT LOW			1	1	1
6036	Message Transmitting VD60	NO - LEDs OFF (Message transmitting can be stopped)			YES - LEDs ON (Continuous message transmitting)			NO	NO	NO
6901	PC ID number for UDL	4 Digits (from 0 to 9). Settings at RESET → **1234**.						1234	1234	1234
6902	Panel ID number for UDL	4 Digits (from 0 to 9). Settings at RESET → **1234**.						1234	1234	1234
6904	Number of rings	Enter number of rings from 1 to 9. Settings at RESET -> **4**.						4	4	4
6905	Answering machine	NO - LEDs off			YES - LEDs on			NO	NO	NO
7. PROGRAMMING OF PERIPHERAL DEVICES										
7000	Keyboard address	Display on each keyboard its address as configured with its jumpers.								
7010	Keyboard 1 Settings	1. Part A	2. Part B	3. Chime disable	4. Keypad zone	5. Silent panic	6. Zone enable	1, 6	1, 6	1, 2
7011	Keyboard 1 left arrow	1. Full ARM Part A	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	1	1
7012	Keyboard 1 right arrow	1. Full ARM Part B	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	1	1
7013	Keyboard 1 ARM Button	1. NO ARM	2. Full ARM all				6. ARM Following	6	6	6
7020	Keyboard 2 Settings	1. Part A	2. Part B	3. Chime disable	4. Keypad zone	5. Silent panic	6. Zone enable	1, 6	2	1, 6
7021	Keyboard 2 left arrow	1. Full ARM Part A	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	6	6
7022	Keyboard 2 right arrow	1. Full ARM Part B	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	1	6
7023	Keyboard 2 ARM Button	1. NO ARM	2. Full ARM all				6. ARM Following	6	6	6
7030	Keyboard 3 Settings	1. Part A	2. Part B	3. Chime disable	4. Keypad zone	5. Silent panic	6. Zone enable	1, 6	1,6	1, 6
7031	Keyboard 3 left arrow	1. Full ARM Part A	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	6	6
7032	Keyboard 3 right arrow	1. Full ARM Part B	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	6	6
7033	Keyboard 3 ARM Button	1. NO ARM	2. Full ARM all				6. ARM Following	6	6	6
7040	Keyboard 4 Settings	1. Part A	2. Part B	3. Chime disable	4. Keypad zone	5. Silent panic	6. Zone enable	1, 6	1,6	1, 6
7041	Keyboard 4 left arrow	1. Full ARM Part A	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	6	6
7042	Keyboard 4 right arrow	1. Full ARM Part B	2. Stay ARM Part A	3. Stay ARM Part B	4. Instant ARM Part A	5. Instant ARM Part B	6. ARM Following	6	6	6
7043	Keyboard 4 ARM Button	1. NO ARM	2. Full ARM all				6. ARM Following	6	6	6
7100	Proxi reader 1 Setting	Part A	Part B					Part A	Part A	Part A
7110	Proxi reader 2 Setting	Part A	Part B					Part A	Part A	Part A

TABLE 1 continues ➡

SUPPLEMENT A - Default Programming Tables

TABLE 2: Manager Menu - DEFAULT CONFIGURATION 0, 1, 2 and 3

ADDRESS	MENU	DEFAULT CONFIGURATION 0						DEFAULT CONFIG. 1	DEFAULT CONFIG. 2	DEFAULT CONFIG. 3
		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6			
000	Remote Access	1. DISARMING	2. ARMING	3. Code Access	4. Programming	5. View LOG	6. Bypass	2, 4, 5	2, 4, 5	2, 4, 5
001	Engineer access	DISABLED - LEDs off			ENABLED - LEDs on			ENABLED	ENABLED	ENABLED
002	Comm. manual test	Sending of test messages to central monitoring station or test message with the voice dialer VD60.								
009	UDL Access Block	Enter permissible number of valid access codes (ARM / DISARM / BYPASS / PC ID) for UDL and 24 hour period. Enter number from 00 up to 99. Default settings at RESET **- 10 attempts.** With reaching the permissible number of valid access codes, the system will be blocked - there would be no UDL communication. The UDL communication will be restored at 00.00 h system time.								
010	User code 1 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						1111	1111	1111
011	User code 1 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
012	Proximity card Register	Put the card close to the proximity reader.								
013	Proximity card Delete	Press ENTER button to delete the card.								
020	User code 2 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
021	User code 2 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
022	Proximity card Register	Put the card close to the proximity reader.								
023	Proximity card Delete	Press ENTER button to delete the card.								
030	User code 3 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
031	User code 3 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
032	Proximity card Register	Put the card close to the proximity reader.								
033	Proximity card Delete	Press ENTER button to delete the card.								
040	User code 4 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
041	User code 4 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
042	Proximity card Register	Put the card close to the proximity reader.								
043	Proximity card Delete	Press ENTER button to delete the card.								
050	User code 5 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
051	User code 5 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
052	Proximity card Register	Put the card close to the proximity reader.								
053	Proximity card Delete	Press ENTER button to delete the card.								
060	User code 6 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
061	User code 6 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
062	Proximity card Register	Put the card close to the proximity reader.								
063	Proximity card Delete	Press ENTER button to delete the card.								
070	User code 7 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
071	User code 7 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5

072	Proximity card Register	Put the card close to the proximity reader.								
073	Proximity card Delete	Press ENTER button to delete the card.								
080	User code 8 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
081	User code 8 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
082	Proximity card Register	Put the card close to the proximity reader.								
083	Proximity card Delete	Press ENTER button to delete the card.								
090	User code 9 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
091	User code 9 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
092	Proximity card Register	Put the card close to the proximity reader.								
093	Proximity card Delete	Press ENTER button to delete the card.								
100	User code 10 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
101	User code 10 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	from 1 to 5	from 1 to 5	from 1 to 5
102	Proximity card Register	Put the card close to the proximity reader.								
103	Proximity card Delete	Press ENTER button to delete the card.								
110	User code 11 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
111	User code 11 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
112	Proximity card Register	Put the card close to the proximity reader.								
113	Proximity card Delete	Press ENTER button to delete the card.								
120	User code 12 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
121	User code 12 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
122	Proximity card Register	Put the card close to the proximity reader.								
123	Proximity card Delete	Press ENTER button to delete the card.								
130	User code 13 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
131	User code 13 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
132	Proximity card Register	Put the card close to the proximity reader.								
133	Proximity card Delete	Press ENTER button to delete the card.								
140	User code 14 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
141	User code 14 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
142	Proximity card Register	Put the card close to the proximity reader.								
143	Proximity card Delete	Press ENTER button to delete the card.								
150	User code 15 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
151	User code 15 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
152	Proximity card Register	Put the card close to the proximity reader.								
153	Proximity card Delete	Press ENTER button to delete the card.								

(- - - -) means, that there is no default programmed user / manager code combination

- Default settings at hardware or software RESET. The default CONFIGURATION 0 is set by default.

TABLE 2 continues ➡

ADDRESS	MENU	DEFAULT CONFIGURATION 0						DEFAULT CONFIG. 1	DEFAULT CONFIG. 2	DEFAULT CONFIG. 3
		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6			
160	User code 16 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
161	User code 16 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
162	Proximity card Register	Put the card close to the proximity reader.								
163	Proximity card Delete	Press ENTER button to delete the card.								
170	User code 17 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
171	User code 17Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
172	Proximity card Register	Put the card close to the proximity reader.								
173	Proximity card Delete	Press ENTER button to delete the card.								
180	User code 18 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
181	User code 18 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
182	Proximity card Register	Put the card close to the proximity reader.								
183	Proximity card Delete	Press ENTER button to delete the card.								
190	User code 19 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
191	User code 19 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
192	Proximity card Register	Put the card close to the proximity reader.								
193	Proximity card Delete	Press ENTER button to delete the card.								
200	User code 20 (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
201	User code 20 Attributes	1. DISARM	2. STAY ARM	3. BYPASS	4. PROGRAM	5. Part A	6. Part B	1 to 5	1 to 4 and 6	1 to 4 and 6
202	Proximity card Register	Put the card close to the proximity reader.								
203	Proximity card Delete	Press ENTER button to delete the card.								
210	Manager code (0000)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(0000)	(0000)	(0000)
211	Manager code Attributes					5. Part A	6. Part B	5 and 6	5 and 6	5 and 6
212	Proximity card Register	Put the card close to the proximity reader.								
213	Proximity card Delete	Press ENTER button to delete the card.								
220	Manager code 1 (0000)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
221	Manager code 1 Attributes					5. Part A	6. Part B		5	5
222	Proximity card Register	Put the card close to the proximity reader.								
223	Proximity card Delete	Press ENTER button to delete the card.								
230	Manager code 2 (0000)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
231	Manager code 2 Attributes					5. Part A	6. Part B		6	6
232	Proximity card Register	Put the card close to the proximity reader.								
233	Proximity card Delete	Press ENTER button to delete the card.								

TABLE 2 continues ➡

240	Manager code 3 (0000)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(- - - -)	(- - - -)	(- - - -)
241	Manager code 3 Attributes					5. Part A	6. Part B			
242	Proximity card Register	Put the card close to the proximity reader.								
243	Proximity card Delete	Press ENTER button to delete the card.								
300	Display LOG Memory	LOG memory file review.								
400	CHIME Enable	NO - LEDs off			YES - LEDs on			NO	NO	NO
500	BYPASS ZONES	Press a number of a ZONE which you want to bypass. Use buttons 1 - 9 and combinations ARM+0 (Zone 10), ARM+1 (Zone 11) and ARM+2 (Zone 12),								
600	Setting the clock	Clock setting (HH:MM). Settings at RESET → **00:00**.						00:00	00:00	00:00
601	Setting the date	Date setting (DD:MM). Settings at RESET → **01:01**.						01:01	01:01	01:01

SUPPLEMENT A - Default Programming Tables

TABLE 3: User Menu - DEFAULT CONFIGURATION 0, 1, 2 and 3

ADDRESS	MENU	DEFAULT CONFIGURATION 0						DEFAULT CONFIG. 1	DEFAULT CONFIG. 2	DEFAULT CONFIG. 3
		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6			
0	Change own code (- - - -)	Enter 4 or 6 digit code (depends on the settings at ADDRESS 1001 from the Engineering Menu)						(1111)	(1111)	(1111)
1	Display LOG Memory	LOG memory file review.								
2	CHIME Enable	NO - LEDs off			YES - LEDs on			NO	NO	NO
3	BYPASS ZONES	Press a number of a ZONE which you want to bypass. Use buttons 1 - 9 and combinations ARM+0 (Zone 10), ARM+1 (Zone 11) and ARM+2 (Zone 12),								

(- - - -) means, that there is no default programmed user / manager code combination

Note: Table 3 contains the default settings for User programming menu entered with User Code 1.

- *Default settings at hardware or software RESET. The default CONFIGURATION 0 is set by default.*

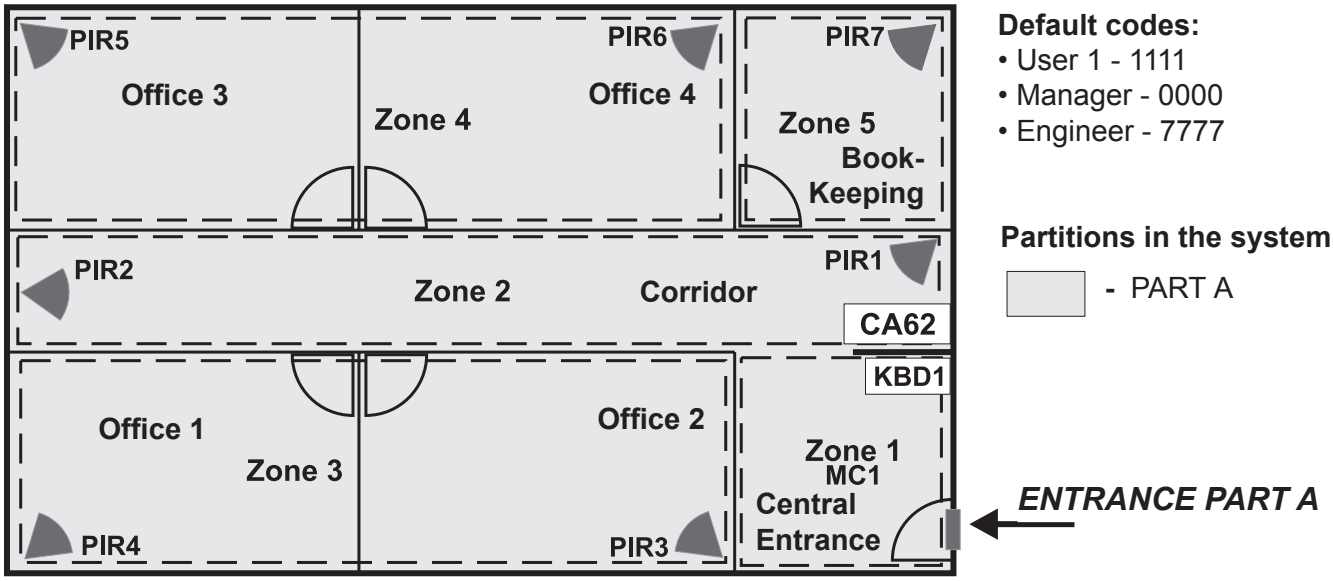
SUPPLEMENT B

EXAMPLES FOR SECURITY APPLICATION WITH CA62

For illustration of the default factory configurations here are shown some examples for organizing the security system.

The symbols used in the examples below have the following meaning:
MC - Magnetic contact;
PIR - Motion PIR detector;
KBD - Control keyboard;
CA62 - Control panel;
Zone n - Zone number.

DEFAULT CONFIGURATION 1



Default codes:
- User 1 - 1111
- Manager - 0000
- Engineer - 7777

Partitions in the system:

- PART A

General information for DEFAULT CONFIGURATION 1:

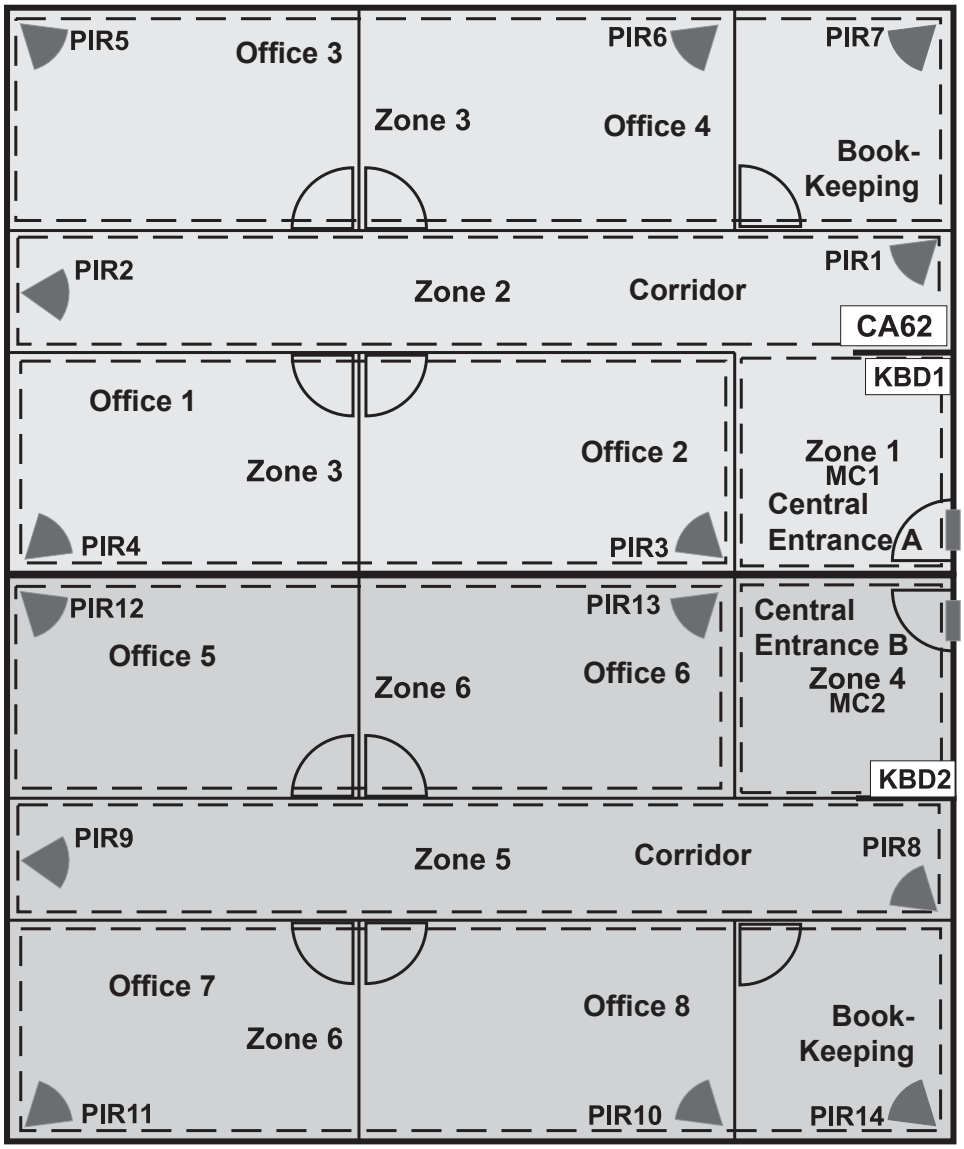
- Zones - 6
- 1 partition - A
- 1 keyboard (suitable models LED61, LED62, LCD62, LCD62B, LCD63)

Short programming table for DEFAULT CONFIGURATION 1:

Zone	Type	Attributes	Part	Detectors	Room	Control
1	Entry/Exit	Bypass Disarm Enable	A	MC1	Central Entrance	KBD1
2	Follow	Bypass, Stay Disarm Enable	A	PIR1, PIR2	Corridor	KBD1
3	Instant	Bypass, Stay Disarm Enable	A	PIR3, PIR4	Office 1 Office 2	KBD1
4	Instant	Bypass, Stay Disarm Enable	A	PIR5, PIR6	Office 3 Office 4	KBD1
5	Panic	Bypass, Stay Disarm Enable	A	PIR7	Book-keeping	KBD1
6	Tamper	Disarm Enable	A	TAMPER from all of the detectors	All rooms	KBD1

DEFAULT CONFIGURATION 2

PART A



PART B

Default codes:
- User 1 - 1111
- Manager - 0000
- Engineer - 7777

ENTRANCE PART A

ENTRANCE PART B

Partitions in the system:

- PART A
- PART B

General information for DEFAULT CONFIGURATION 2:

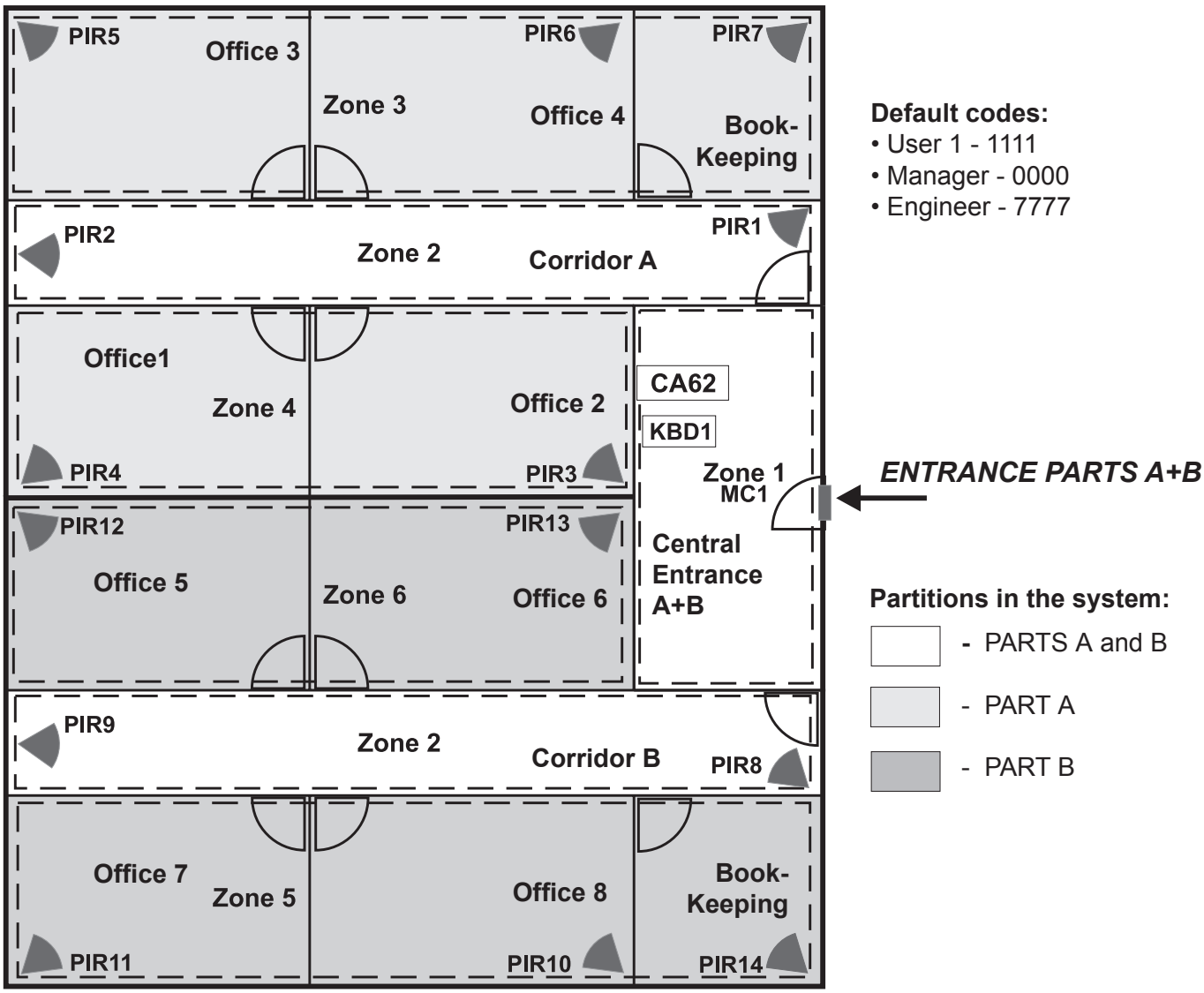
- Zones - 6
- 2 independent partitions - A and B
- 2 keyboards (suitable models LED61, LED62, LCD62, LCD62B, LCD63)

Short programming table for DEFAULT CONFIGURATION 2:

Zone	Type	Attributes	Part	Detectors	Room	Control
1	Entry/Exit	Bypass Disarm Enable	A	MC1	Central Entrance A	KBD1
2	Follow	Bypass, Stay Disarm Enable	A	PIR1, PIR2	Corridor	KBD1
3	Instant	Bypass, Stay Disarm Enable	A	PIR3, PIR4, PIR5, PIR6, PIR7	Offices from 1 to 4, Book-keeping	KBD1
4	Entry/Exit	Bypass, Stay Disarm Enable	B	MC2	Central Entrance B	KBD2
5	Follow	Bypass, Stay Disarm Enable	B	PIR8, PIR9	Corridor	KBD2
6	Instant	Bypass, Stay Disarm Enable	B	PIR10, PIR11, PIR12, PIR13, PIR14	Offices from 5 to 8, Book-keeping	KBD2

DEFAULT CONFIGURATION 3

PART A



PART B

General information for DEFAULT CONFIGURATION 3:

- Zones - 6 (2 common, 2 to PART A, 2 to PART B)
- 2 partitions - A and B
- 1 keyboard (suitable models LED62, LCD63SE, LCD64)

Short programming table for DEFAULT CONFIGURATION 3:

Zone	Type	Attributes	Part	Detectors	Room	Control
1	Entry/Exit	Bypass Disarm Enable	A and B	MC1	Central Entrance A+B	KBD1
2	Follow	Bypass, Stay Disarm Enable	A and B	PIR1, PIR2, PIR8, PIR 9	Corridors A and B	KBD1
3	Instant	Bypass, Stay Disarm Enable	A	PIR5, PIR6, PIR7	Offices 3 and 4, Book-keeping	KBD1
4	Instant	Bypass, Stay Disarm Enable	A	PIR3, PIR4	Offices 1 and 2	KBD1
5	Instant	Bypass, Disarm Enable	B	PIR10, PIR11, PIR14	Offices 7 and 8, Book-keeping	KBD1
6	Instant	Bypass, Disarm Enable	B	PIR12, PIR13	Offices 5 and 6	KBD1

SUPPLEMENT C - Additional Information

Coding recordings in log events

The LOG Memory file can be viewed at ADDRESS 0024 in the Engineer menu (with entered valid engineer code), at ADDRESS 300 in the Manager menu (with entered valid Manager code), and ADDRESS 1 in the User menu (with entered valid user code with rights to view the log file).
In order to view a previous event press the ▼ button. In order to view a next event press the ▲ button. To view additional information (xx is the user code or event zone number) press ENTER. Single click the ENTER button to return to the list of events.
Recorded events can be viewed with the help of the table, which shows message coding within the system and LED keypad indication. All possible combinations of keypad light-emitting diodes, the meaning of each combination and the decoding of the specifying recording "xx" for the number of the user code or zone, are shown for ease in reading log event recordings.

LED Indication	Event number	Description
①②③④⑤❻	1	Burglary alarm type activated / Activated zone with AUX attribute “24h Burglary”
①②③④❺⑥	2	Burglary alarm type deactivated / Restored zone with AUX attribute "24h Burglary"
①②③④❺❻	3	Fire type alarm event in xx zone
①②③❹⑤⑥	4	Fire type restoring event in xx zone
①②③❹⑤❻	5	Panic type alarm event in xx zone
①②③❹❺⑥	6	Panic type restoring event in xx zone
①②③❹❺❻	7	Tamper type alarm event in xx zone
①②❸④⑤⑥	8	Tamper type restoring event in xx zone
①②❸④⑤❻	9	Medical type alarm event in xx zone
①②❸④❺⑥	10	Medical type restoring event in xx zone
①②❸④❺❻	11	Burglary Alarm type xx zone bypass
①②❸❹⑤⑥	12	Burglary Alarm type xx zone bypass restoring
①②❸❹⑤❻	13	Fire type xx zone bypass
①②❸❹❺⑥	14	Fire type xx zone bypass restoring
①②❸❹❺❻	15	Panic type xx zone bypass
①❷③④⑤⑥	16	Panic type xx zone bypass restoring
①❷③④⑤❻	17	Tamper type xx zone bypass
①❷③④❺⑥	18	Tamper type xx zone bypass restoring
①❷③④❺❻	19	Medical type xx zone bypass
①❷③❹⑤⑥	20	Medical type xx zone bypass restoring
①❷③❹⑤❻	21	Disarm by xx user
①❷③❹❺⑥	22	Remote disarming by xx user
①❷③❹❺❻	23	Disarming by key-switch in xx zone
①❷❸④⑤⑥	24	Arming by xx user
①❷❸④⑤❻	25	Remote arming by xx user
①❷❸④❺⑥	26	Arming by key-switch in xx zone
①❷❸④❺❻	27	Quick arm type arming

①❷❸❹⑤⑥	28	Program mode entry
①❷❸❹⑤❻	29	Program mode exit
①❷❸❹❺⑥	30	Entering ambush code by xx user
①❷❸❹❺❻	31	Telephone line failure
❶②③④⑤⑥	32	Recovery of faulty telephone line
❶②③④⑤❻	33	Unsuccessful communication
❶②③④❺⑥	34	Periodic test message communication
❶②③④❺❻	35	Digital communicator manual test
❶②③❹⑤⑥	36	Fuse blown
❶②③❹⑤❻	37	Restored fuse
❶②③❹❺⑥	38	System default RESET
❶②③❹❺❻	39	Loss of 220 V AC power supply
❶②❸④⑤⑥	40	Restored 220 V AC power supply
❶②❸④⑤❻	41	Low battery charge level
❶②❸④❺⑥	42	Restored battery charge level
❶②❸④❺❻	43	Activated zone with attribute “Write to log”
❶②❸❹⑤⑥	44	Restored zone with attribute “Write to log”
❶②❸❹⑤❻	45	Activated zone with AUX attribute “24h Burglary”
❶②❸❹❺⑥	46	Activated zone with AUX attribute “Battery Low”
❶②❸❹❺❻	47	Activated zone with AUX attribute “Gas Detector”
❶❷③④⑤⑥	48	Activated zone with AUX attribute “Water Leakage”
❶❷③④⑤❻	49	Activated zone with AUX attribute “AC Lost”
❶❷③④❺⑥	50	Activated zone with AUX attribute “GSM Link Trouble”
❶❷③④❺❻	51	Activated zone with AUX attribute “Refrigeration”
❶❷③❹⑤⑥	52	Activated zone with AUX attribute “Loss of Heat”
❶❷③❹⑤❻	53	Activated zone with AUX attribute “Foil Break”
❶❷③❹❺⑥	54	Activated zone with AUX attribute “Low bottled gas level”
❶❷③❹❺❻	55	Activated zone with AUX attribute “High temperature”
❶❷❸④⑤⑥	56	Activated zone with AUX attribute “Low temperature”
❶❷❸④⑤❻	57	Restored zone with AUX attribute “Battery Low”
❶❷❸④❺⑥	58	Restored zone with AUX attribute “Gas Detector”
❶❷❸④❺❻	59	Restored zone with AUX attribute “Water Leakage”
❶❷❸❹⑤⑥	60	Restored zone with AUX attribute “AC Lost”
❶❷❸❹⑤❻	61	Restored zone with AUX attribute “GSM Link Trouble”
❶❷❸❹❺⑥	62	Restored zone with AUX attribute “Refrigeration”
❶❷❸❹❺❻	63	Restored zone with AUX attribute “Loss of Heat”, “Foil break”, “Low bottled gas level”, “High temp.” or “Low temp.”

Table of protocol Contact ID transmitted codes from CA62

Code	Description
100 - Medical alarm	Medical alarm
110 - Fire alarm	Fire alarm
120 - Panic alarm	Panic alarm
121 - Ambush code	Code entered under ambush
130 - Burglary alarm	Alarm
133 - 24 h Burglary	24-hour Burglary type zone
137 - Tamper alarm	Tamper alarm
138 - Opening of zone with attr. Write to log	Activated zone with attribute "Write to log"
151 - Gas detector	Activated gas detector
152 - Refrigeration	Activated refrigeration sensor
153 - Loss of heat	Loss of heat (activated heat sensor)
154 - Water leakage	Activated water leakage detector
155 - Foil Break	Foil break
157 - Low bottled gas level	Low bottled gas level
158 - High temperature	High temperature in the premises
159 - Low temperature	Low temperature in the premises
300 - System trouble	Trouble in the system
301 - AC Loss	No 220 V power supply
302 - Battery low	Low battery charging level
305 - System RESET	System parameters default reset
311 - Battery missing	The battery is lost
330 - GSM link trouble	GSM Communication failure
338 - Closing of zone with attr. Write to log	Restored zone with attribute "Write to log"
351 - Teleco Fail	Telephone line failure
354 - Failure to communicate	Communication error
401 - Open/Close by user	Arming/ Disarming by user
407 - Remote Arm/ Disarm	Remote Arming/Disarming
408 - Quick arm	Quick arming (no code)
409 - Keyswitch Open/Close	Arming/Disarming from key-switch
571 - Fire bypass	Bypassing a FIRE type zone
572 - 24 h zone bypass	Bypassing a 24 h Burglary type zone
573 - Burglary bypass	Bypassing an Entry/Exit, Follow or Instant type zone
601 - Manual TEST report	Manual TEST signal
602 - Periodic TEST report	Periodic TEST signal
627 - Program mode entry	Engineer programming mode entry
628 - Program mode exit	Engineer programming mode exit

Table of protocol SIA transmitted codes from CA62

Code		Description
AR	AC Restore	Restore 220V power supply
AT	AC Loss	No 220 V power supply
BA	Burglary alarm	Alarm
BB	Burglary bypass	Bypassing an Entry/Exit, Follow or Instant type zone
BH	Burglary Restore	Restore alarm
BU	Burglary bypass Restore	Restore after Bypassing an Entry/Exit, Follow or Instant type zone
CL	Quick arm	Quick arming (no code)
CL	Arming by user	Arming by user
CQ	Remote arming	Remote ARMING
CS	Arming by keyswitch	Arming from key-switch
FA	Fire alarm	Fire alarm
FB	Fire bypass	Bypassing a FIRE type zone
FH	Fire Restore	Restore after Fire alarm
FU	Fire bypass Restore	Restore after bypassing a FIRE type zone
GA	Gas detector	Activated gas detector in the premises
GH	Low bottled gas level restore	Restored low bottled gas level
GR	Gas detector restore	Restored gas detector
GT	Low bottled gas level	Activated detector for low bottled gas level
HA	Ambush code	Code introduced under ambush
IA	Foil break	Foil break
IR	Foil break restore	Restored foil break
KA	High temperature	High temperature in the premises
KR	High temperature restore	Restored normal temperature in the premises
LB	Program mode entry	Engineer programming mode entry
LX	Program mode exit	Engineer programming mode exit
MA	Medical alarm	Medical alarm
MB	Medical bypass	Bypassing a Medical type zone
MH	Medical Restore	Restore after Medical alarm
MU	Medical bypass Restore	Restore after bypassing a Medical type zone
NR	GSM Link trouble restore	Restored GSM communication link
NT	GSM Link trouble	GSM communication link trouble
OP	Disarm by user	Disarming by user
OQ	Remote disarm	Remote disarming
OS	Disarm by keyswitch	Disarming from key-switch
PA	Panic alarm	Panic alarm
PB	Panic bypass	Bypassing a Panic type zone
PH	Panic Restore	Bypassing a Panic type zone
PU	Panic bypass Restore	Restore after bypassing a Panic type zone
RP	Periodic TEST report	Periodic TEST signal
RX	Manual TEST report	Manual TEST signal
TA	Tamper alarm	Tamper alarm
TB	Tamper bypass	Bypassing a Tamper type zone
TH	Tamper Restore	Restore after Tamper alarm
TU	Tamper bypass Restore	Restore after bypassing a Tamper type zone
UA	Opening of zone with attr. Write to log	Activated zone with attribute "Write to log"
UH	Closing of zone with attr. Write to log	Restored zone with attribute "Write to log"
WA	Water leakage	Activated water leakage detector
WR	Water leakage restore	Restored water leakage detector

YC	Failure to communicate	Communication error
YK	Telephone line Retsore	Restored telephone line
YM	Battery low	Low battery charge level
YP	Fuse blown	Blown fuse
YQ	Fuse Restore	Restored fuse
YR	Battery Restore	Restored battery
YS	Telephone line Fault	Telephone line failure
YT	Battery missing	No battery
YW	System RESET	System parameters default reset
ZA	Refrigeration Loss of heat Low temperature	Activated detector for refrigeration Activated heat detector Low temperature in the premises
ZR	Refrigeration restore Loss of heat restore Low temperature restore	Restored detector for refrigerating Restored heat detector Restored normal temperature level

Hexadecimal Programming Table

Value	Status LED 3 ... 6				Buttons combination
	LED3	LED4	LED5	LED6	
0	○	○	○	○	0
1	○	○	○	●	1
2	○	○	●	○	2
3	○	○	●	●	3
4	○	●	○	○	4
5	○	●	○	●	5
6	○	●	●	○	6
7	○	●	●	●	7
8	●	○	○	○	8
9	●	○	○	●	9
A	●	○	●	○	ARM + 0
B	●	○	●	●	ARM + 1
C	●	●	○	○	ARM + 2
D	●	●	○	●	ARM + 3
E	●	●	●	○	ARM + 4
F	●	●	●	●	ARM + 5

Legend:

○ **-** The LED is off.

● **-** The LED is on.

The expression “ARM + 1” means pressing the “ARM” and “1” buttons in succession.

SUPPLEMENT D - Algorithms for Operation of ZONES with Key-Switch Type

In the tables below is described the working algorithm for Key-Switch type zones, according to the programmed at ***ADDRESS 2013*** parameter - ***Pulse or Latch***. The operation of the Partition(s) and the sounder(s) is described on the right side of the tables. The operation strongly depends on the current status of the specified parameters pointed out on the left side of the table. To follow the operation of a partition and/or sounder the installer has to know what is the current status of the system and what attributes and parameters have been programmed before that.

Algorithm for Key-Switch type zones operating, Latch parameter set on, when the zone is attached to ONE Partition

Partition ARMing status	Sounder status	Operation at zone activating		Operation at zone de-activating	
		Partition	Sounder	Partition	Sounder
DISARMED	OFF	ARMING	-	-	-
DISARMED	ON	ARMING	STOP	-	-
ARMED	OFF	-	-	DISARMING	-
ARMED	ON	-	-	DISARMING	STOP

Algorithm for Key-Switch type zones operating, Latch parameter set on, when the zone is attached to TWO Partitions

Part. A ARMing Status	Part. B ARMing Status	Sounder A	Sounder B	Operation at zone activating				Operation at zone de-activating			
				Partition A	Partition B	Sounder A	Sounder B	Partition A	Partition B	Sounder A	Sound B
Disarmed	Disarmed	OFF	OFF	Arming	Arming	-	-	-	-	-	-
Disarmed	Disarmed	ON	OFF	Arming	Arming	STOP	-	-	-	STOP	-
Disarmed	Disarmed	OFF	ON	Arming	Arming	-	STOP	-	-	-	STOP
Disarmed	Disarmed	ON	ON	Arming	Arming	STOP	STOP	-	-	STOP	STOP
Armed	Disarmed	OFF	OFF	-	Arming	-	-	Disarming	-	-	-
Armed	Disarmed	ON	OFF	-	Arming	STOP	-	Disarming	-	STOP	-
Armed	Disarmed	OFF	ON	-	Arming	-	STOP	Disarming	-	-	STOP
Armed	Disarmed	ON	ON	-	Arming	STOP	STOP	Disarming	-	STOP	STOP
Disarmed	Armed	OFF	OFF	Arming	-	-	-	-	Disarming	-	-
Disarmed	Armed	ON	OFF	Arming	-	STOP	-	-	Disarming	STOP	-
Disarmed	Armed	OFF	ON	Arming	-	-	STOP	-	Disarming	-	STOP
Disarmed	Armed	ON	ON	Arming	-	STOP	STOP	-	Disarming	STOP	STOP
Armed	Armed	OFF	OFF	-	-	-	-	Disarming	Disarming	-	-
Armed	Armed	ON	OFF	-	-	STOP	-	Disarming	Disarming	STOP	-
Armed	Armed	OFF	ON	-	-	-	STOP	Disarming	Disarming	-	STOP
Armed	Armed	ON	ON	-	-	STOP	STOP	Disarming	Disarming	STOP	STOP

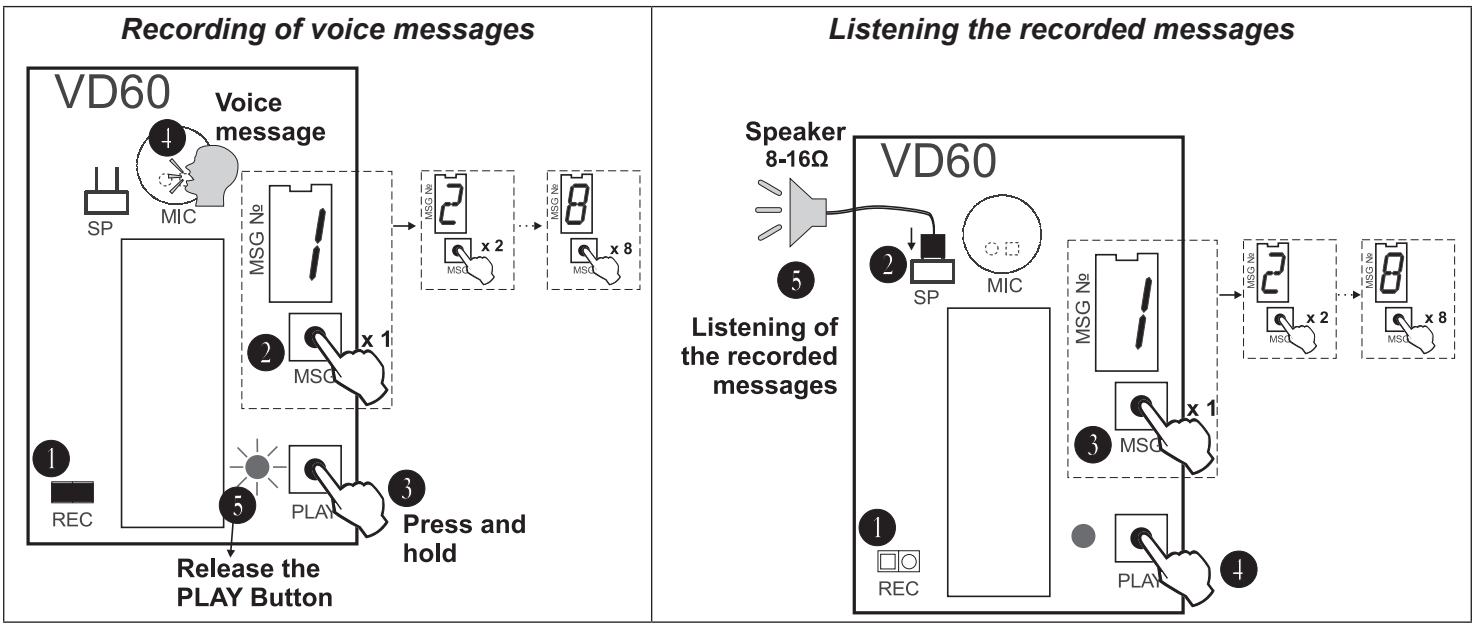
Algorithm for Key-Switch type zones operating, Pulse parameter set on, when the zone is attached to ONE Partition

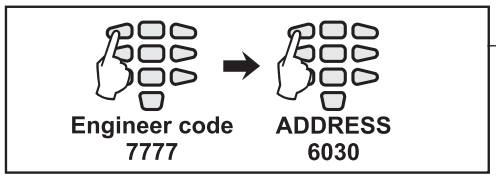
Attribute Disarm Enable	Partition ARMing status	Sounder status	Operation at incoming impulse from the zone	
			Partition	Sounder
Enabled	DISARMED	OFF	ARMING	-
Enabled	DISARMED	ON	-	STOP
Enabled	ARMED	OFF	DISARMING	-
Enabled	ARMED	ON	DISARMING	STOP
Disabled	DISARMED	OFF	ARMING	-
Disabled	DISARMED	ON	-	STOP
Disabled	ARMED	OFF	-	-
Disabled	ARMED	ON	-	STOP

Algorithm for Key-Switch type zones operating, Pulse parameter set on, when the zone is attached to TWO Partitions

Attribute Disarm Enable	Partition A ARMing status	Partition B ARMing status	Partition A Sounder status	Partition B Sounder status	Operation at incoming impulse from the zone			
					Partition A	Partition B	Sounder Part. A	Sounder Part. B
Enabled	DISARMED	DISARMED	OFF	OFF	ARMING	ARMING	-	-
Enabled	DISARMED	DISARMED	ON	OFF	-	-	STOP	-
Enabled	DISARMED	DISARMED	OFF	ON	-	-	-	STOP
Enabled	DISARMED	DISARMED	ON	ON	-	-	STOP	STOP
Enabled	ARMED	DISARMED	OFF	OFF	DISARMING	-	-	-
Enabled	ARMED	DISARMED	ON	OFF	DISARMING	-	STOP	-
Enabled	ARMED	DISARMED	OFF	ON	-	-	-	STOP
Enabled	ARMED	DISARMED	ON	ON	DISARMING	-	STOP	STOP
Enabled	DISARMED	ARMED	OFF	OFF	-	DISARMING	-	-
Enabled	DISARMED	ARMED	ON	OFF	-	-	STOP	-
Enabled	DISARMED	ARMED	OFF	ON	-	DISARMING	-	STOP
Enabled	DISARMED	ARMED	ON	ON	-	DISARMING	STOP	STOP
Enabled	ARMED	ARMED	OFF	OFF	DISARMING	DISARMING	-	-
Enabled	ARMED	ARMED	ON	OFF	DISARMING	DISARMING	STOP	-
Enabled	ARMED	ARMED	OFF	ON	DISARMING	DISARMING	-	STOP
Enabled	ARMED	ARMED	ON	ON	DISARMING	DISARMING	STOP	STOP
Disabled	DISARMED	DISARMED	OFF	OFF	ARNING	ARMING	-	-
Disabled	DISARMED	DISARMED	ON	OFF	-	-	STOP	-
Disabled	DISARMED	DISARMED	OFF	ON	-	-	-	STOP
Disabled	DISARMED	DISARMED	ON	ON	-	-	STOP	STOP
Disabled	ARMED	DISARMED	OFF	OFF	-	ARMING	-	-
Disabled	ARMED	DISARMED	ON	OFF	-	-	STOP	-
Disabled	ARMED	DISARMED	OFF	ON	-	-	-	STOP
Disabled	ARMED	DISARMED	ON	ON	-	-	STOP	STOP
Disabled	DISARMED	ARMED	OFF	OFF	ARMING	-	-	-
Disabled	DISARMED	ARMED	ON	OFF	-	-	STOP	-
Disabled	DISARMED	ARMED	OFF	ON	-	-	-	STOP
Disabled	DISARMED	ARMED	ON	ON	-	-	STOP	STOP
Disabled	ARMED	ARMED	OFF	OFF	-	-	-	-
Disabled	ARMED	ARMED	ON	OFF	-	-	STOP	-
Disabled	ARMED	ARMED	OFF	ON	-	-	-	STOP
Disabled	ARMED	ARMED	ON	ON	-	-	STOP	STOP

SUPPLEMENT E
Algorithm for Recording and Listening of Voice Messages

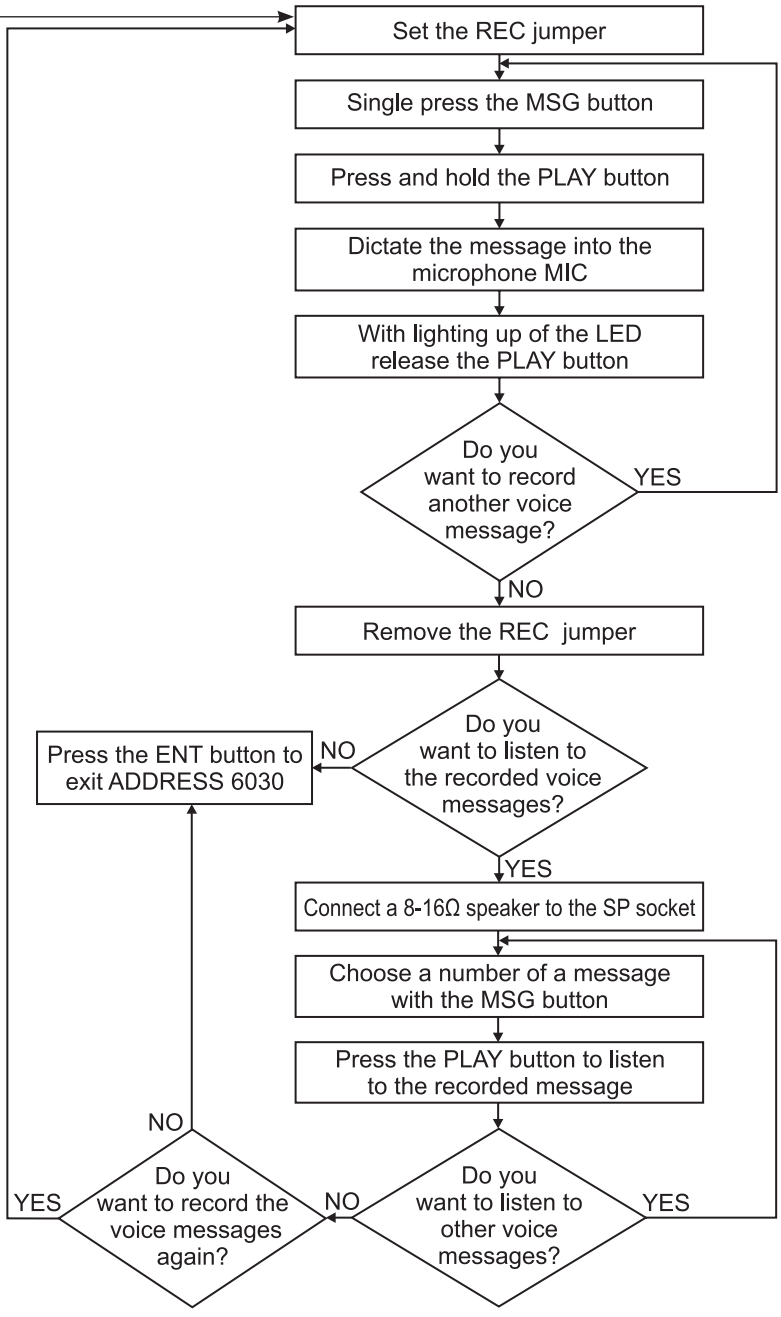




Recording and listening of voice messages in the system is programed at ADDRESS 6030 at the Engineer Programming menu.

Follow the steps of the algorithm to record and listen to the voice messages.

Examples for voice messages in the system are shown in the applied tables.

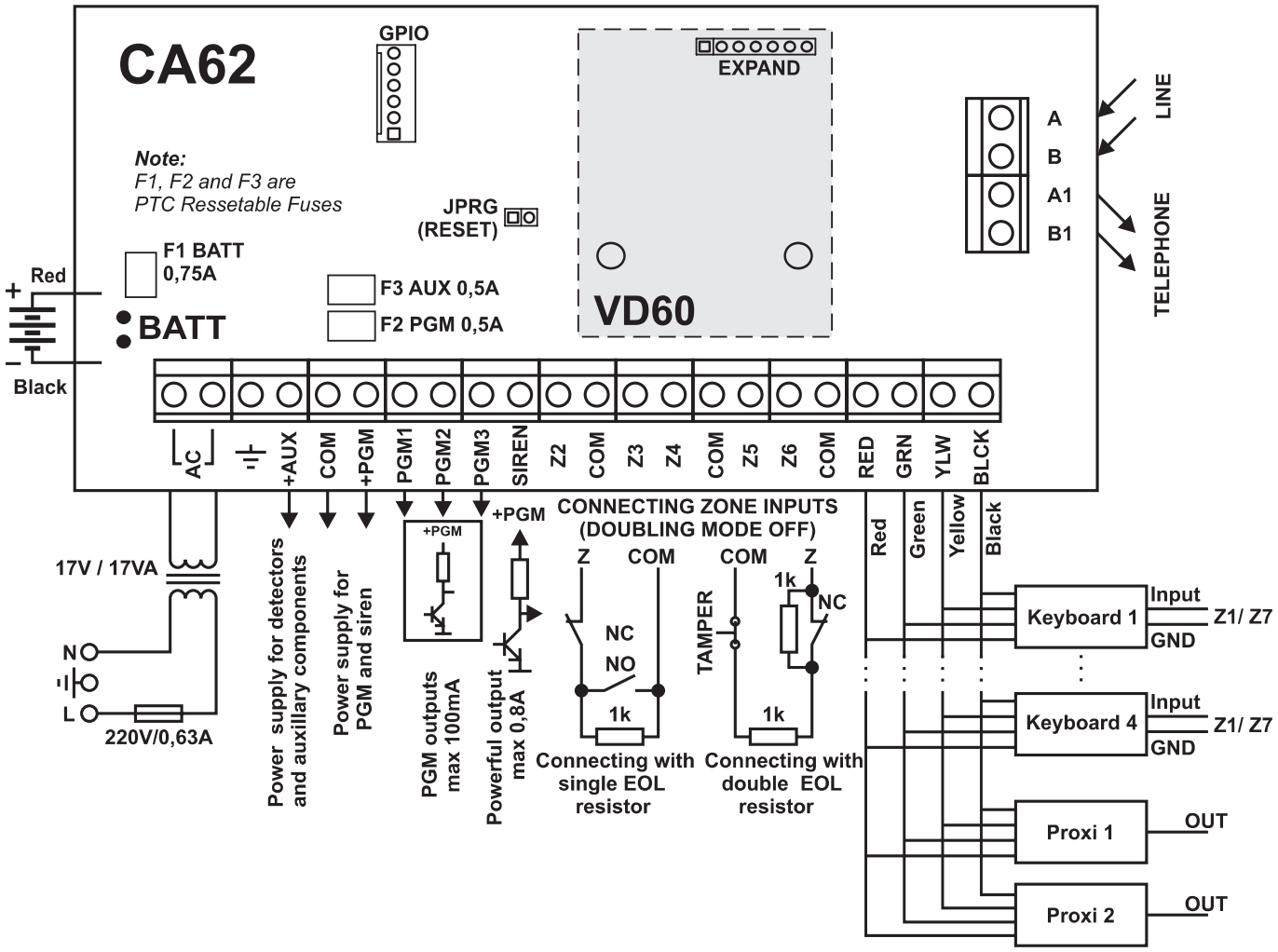


Examples for voice messages

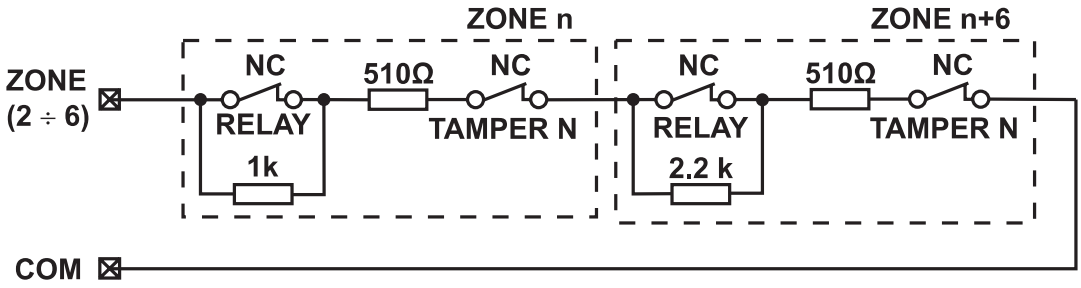
MESSAGE BY ZONE (at ADDRESS 6035 is set 0)		
Messag.	**Event**	**Example message**
1	Alarm or tamper from Zone 1.	“Alarm from Zone 1” or “Alarm in Entrance zone”
2	Alarm or tamper from Zone 2.	“Alarm from Zone 2” or “Alarm in the corridor”
3	Alarm or tamper from Zone 3.	“Alarm from Zone 3” or “Alarm in the children room”
4	Alarm or tamper from Zone 4.	“Alarm from Zone 4” or “Alarm in the dinning room”
5	Alarm or tamper from Zone 5.	“Alarm from Zone 5” or “Alarm in the bedroom”
6	Alarm or tamper from Zone 6.	“Alarm from Zone 6” or “Cable interrupting in the alarm system”
7	Disarming with Ambush code	“Ambush code have been entered”
8	Personal message.	“Message for Mr. John Smith”

MESSAGE BY EVENT (at ADDRESS 6035 is set 1)		
Messag.	**Event**	**Example message**
1	Alarm in the system	“Burglary alarm”
2	Panic alarm in the system	“Panic or Ambush code have been entered”
3	Tamper alarm in the system	“Cable interrupting in the alarm system”
4	Fire alarm in the system	“Fire”
5	Medical alarm in the system	“Medical alarm”
6	AC loss	“AC power supply interrupting”
7	Battery low	“Battery too low”
8	Common message	“Message for Mr. John Smith”

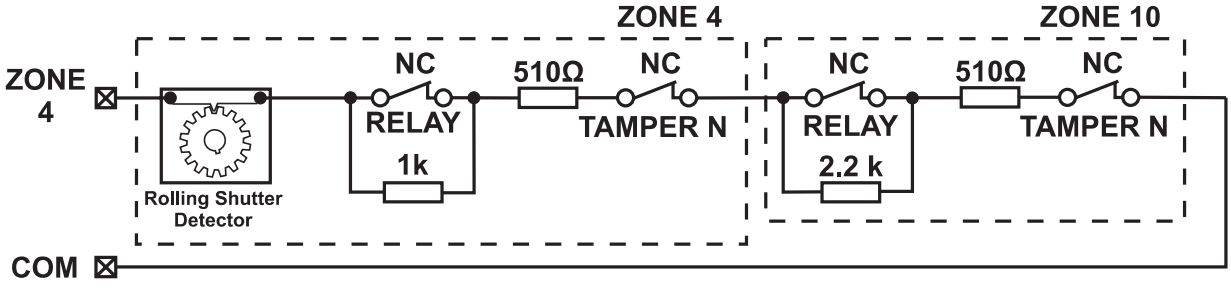
SUPPLEMENT F - General connection diagram



Connecting zone inputs in DOUBLING MODE ON - set at ADDRESSES 20n6



Connecting of Rolling Shutter Detector to ZONE 4 - "pulse counting" operation mode. The number of the input impulses is set at ADDRESS 2047.



Solving of Technical Problems During Powering up of CA62

In case of technical trouble ❶ - ***No 220 V power supply***, *to solve the problem do as follows:*

- ➢ Turn off the main power supply;
- ➢ Check the main power supply fuse F - 0.63A. If the fuse is blown out change it with new one. If the fuse is not damaged, check the connection between the main power cables and the control panel.
- ➢ Switch on the main 220V power supply.
- ➢ Wait for 3 minutes and if after this period the alarm panel does not restores its normal operating call the maintenance engineer.

In case of technical trouble ❸ - ***Fuse burned***, *to solve the problem do as follows:*

- ➢ Turn off the main power supply;
- ➢ Turn off the back-up power supply (open the CA62 mounting box and switch off the black wire to the accumulator battery;
- ➢ Wait for 1 minute while the resettable (PTC) fuses F1, F2 and F3 are restored - see Figure 5.
- ➢ Switch on the main 220V power supply.
- ➢ Connect the black wire from the control panel to the accumulator battery.

Nestor company N.V.
E3-Laan 93
B-9800 Deinze
Belgium

Tel. 00-32-(0)9-380.40.20
Fax 00-32-(0)9-380.40.25
info@nestorcompany.be
www.nestorcompany.be