TeleTek

CA60 Plus

Software Version 3.1

User Manual

May 2000

CONTENTS

1. CA60Plus Keypad

The CA60Plus security control panel keypad is shown on Fig.1. The keypad provides the system management. It is divided into a LED display and a key panel.

1.1. LED display

The LED display is shown on Fig. 2. It is divided in three main groups:

- The first group contains the LEDs *READY, ARMED, TROUBLE* and *BYPASS*. It indicates the security control panel condition.

- The second group contains the LEDs *1, 2, 3, 4, 5* and *6* . It indicates the security system detectors condition, alarm event memory presence, additional information about the Trouble Mode and the Programming Mode.

- The third group contains the LEDs *TAMPER* and *MEMORY*. It indicates alarm event memory presence.
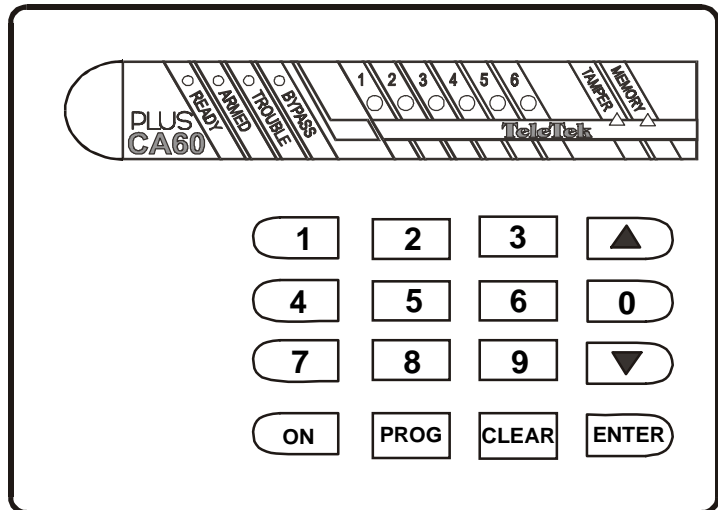
Fig. 1 CA60Plus Keypad
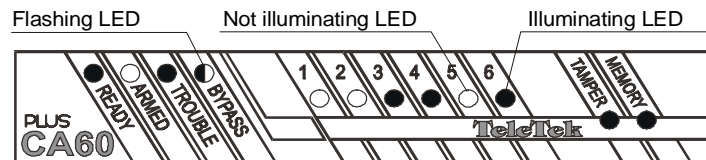
Fig. 2 CA60Plus keypad LED display

The indications of the LEDs are discribed in Table 1. The light indications in the Event Memory Review are described in Table 4, p. 9.

Table 1 CA60Plus Keypad LED Display Indication

LED	DOES NOT LIGHT	FLASHES SLOWLY	FLASHES RAPIDLY	ILLUMINATES CONSTANTLY
READY	• Activated detector in the armed area • The area is armed		Programming Mode	The alarm system is ready to arm the area
ARMED	The area is not armed by the security system		• Programming Mode • Until the exit time is expired	The alarm system is armed
TROUBLE	No Trouble	At least one Trouble	Programming Mode	
BYPASS	No bypassed zones		Programming Mode	Bypassed zones
LED 1, 2, 3, 4, 5 and 6	No activated detector	The zone is bypassed	Activated detector	• In case of Event Memory • In case of an indication under Programming Mode

Table 1 CA60Plus Keypad LED Display Indication (continued)

| LED	DOES NOT LIGHT	FLASHES SLOWLY	FLASHES RAPIDLY	ILLUMINATES CONSTANTLY
TAMPER	The security system Tamper is not activated		Continuous damage in the security system Tamper	Tamper damage memory
MEMORY	No Alarm Event	Fire detector activated		Alarm Event memory

1.2. Keys

The CA60Plus keypad contains the following 16 keys:

From **0** to **9** key are used for entering the code and for managing the control panel
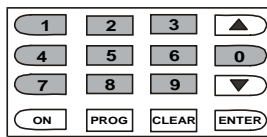
ON key is used for arming the system
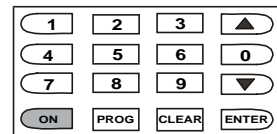
The **PROG** key followed by a valid code is used for activating a programming mode
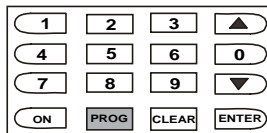
CLEAR key is used when necessary to cancel the operator's activity
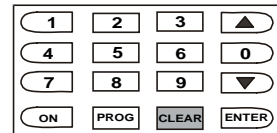
The **ENTER** key is used for activating the Technical Trouble mode and for confirmation of entered data
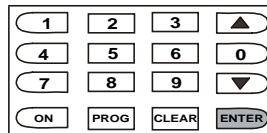
∧ and ∨ keys are used in case of an event memory review
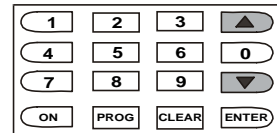
1.3. Combinations of Keys

The CA60Plus keypad allows the following key combinations:

- **ON** followed by **0** – the system enters the Full Security Mode
- **ON** followed by **1** – the system enters the Partial Security Mode 1
- **ON** followed by **2** - the system enters the Partial Security Mode 2
- **ON** and **ENTER** – pressed together and kept for 2 seconds - the system enters the PANIC Mode

1.4. Audible Indication

The CA60Plus keypad has an internal buzzer, which provides additional audible indication. The signals and their description are listed in Table 2.

Table 2 CA60Plus Audible Indication

AUDIBLE SIGNAL	DESCRIPTION
Short audible signal	Pressed key on the keypad
Two short audible signals (**ATTENTION** beep)	Trouble or system Tamper damage. This audible signal could be silenced before the damage restoring by a valid user code.
Two continuous audible signals (**CONFIRMATION** beep)	Confirms an operation on the keypad
One continuous audible signal (**REJECTION** beep)	Rejects an operation on the keypad

2. Operating Modes

2.1. Day Mode (Disarmed)

This mode allows free movement in the secured area. The security system detectors continue working without causing an alarm.

If there are no activated detectors in the secured area the *READY* LED will illuminate constantly.
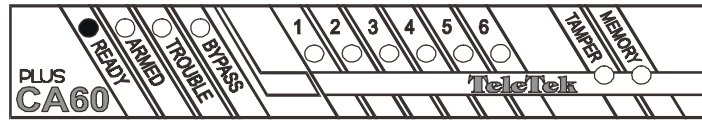
If there are activated detectors in the secured area the *READY* LED will not light and the LEDs of the activated zones will flash.
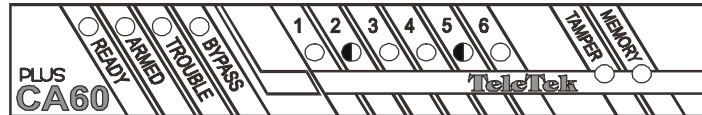
2.2. Security Mode (Armed)

This mode arms the area. The system may enter Security Mode only when there are no activated zones, no alarm event in process and at least one non-bypassed alarm zone is present. When the area is ready to enter the Security Mode the LED *READY* will light.

When the command for entering the Secutity Mode is given, the exit time will begin.

Have in mind the duration of the exit time programmed by the engineer. When it is expired the alarm will be activated. Follow strictly the exit route programmed by the engineer. Every step aside could cause an alarm activation.

2.2.1. Full Security Mode

This mode arms all the zones in the area.

When the area is ready to be armed press **ON** followed by **0**. The keypad will produce a beeping sound thus indicating that the exit time is running. All the zones - except these securing the exit route - will be armed.
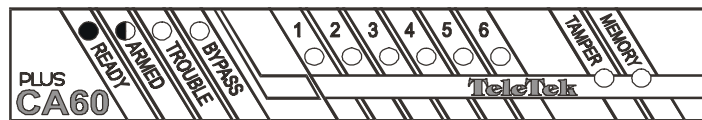
To silence the beeping sound from the keypad press any key. When the exit time is expired the whole area will be armed. The condition will be indicated by the LED *ARMED* illuminating constantly.
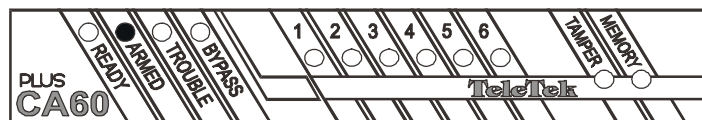
2.2.2. Partial Security Mode

The CA60Plus security control panel allows partitioning of the zones into PART1 and PART2. These two parts are programmed by the engineer. When PART1 or PART 2 is armed only the zones included in the respective part will be in Security Mode.

When the system is ready to be armed press **ON** followed by **1** to secure PART1 or **ON** followed by **2** to secure PART2. On the display the LEDs *READY*, *ARMED* and *BYPASS* will illuminate constantly. The LEDs of the nonsecured zones will flash slowly.
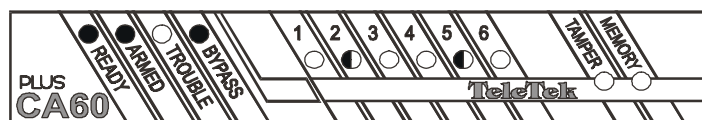
If the chosen part includes an entry/exit area an exit time will begin. To silence the audible signal from the keypad press any key.

2.2.3. Arming by Zone Bypassing

Choose the zones that you desire to bypass and follow the Full Security Mode arming procedure (See 2.2.1). All the zones except the bypassed ones will be armed. The disarmed zones will be indicated on the display by slowly flashing LEDs.
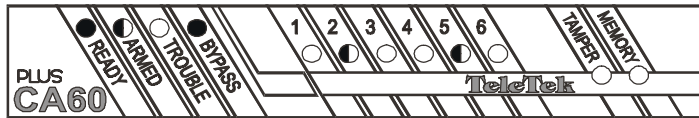
When the exit time is expired the indication on the display will be the same as if the area has entered Full Security Mode.

2.2.4. Arming by a Code

The CA60Plus security panel could arm an area by confirming a code. When this option is programmed by the engineer the above mentioned arming procedure is confirmed by a code:

Full Security   **ON 0** (See 2.2.1) followed by a valid code

Partial Security   **ON 1** (See 2.2.2) followed by a valid code

                                    ON 2 (See 2.2.2) followed by a valid code

ATTENTION! The code that confirms arming should have an initially programmed right for that. Otherwise the operation will be rejected and the area will not be armed.

The indication on the LED display will be the same as if the area has been armed without a code (See the diagrams concerning 2.2.1 and 2.2.2).

2.3. Disarming the System

Every enterering an I/O part of the armed area will activate an entry time.

Have in mind the duration of the entry time programmed by the engineer. When it is expired the alarm will be activated.

Follow strictly the entry route programmed by the engineer. Every step aside could cause an alarm activation.

The area will be disarmed by entering a valid code with a programmed right for switching off the system. The keypad will produce a "CONFIRMATION" beep (See Table 2, p. 4) and will return to Day Mode.

When the code is incorrectly entered the keypad will produce a "REJECTION" beep (See Table 2, p. 4) and the system will remain under Security Mode.

If you make a mistake press **CLEAR** and re-enter the code.

2.4. Trouble Condition Indication ("Trouble Condition" Mode)

Table 3 contains a description of all the possible technical troubles and their indication on the display.

To exit the Technical Trouble Mode press **CLEAR** or wait one minute for the automatic exit.

The "ATTENTION" beep could be silenced by entering a valid code.

The CA60Plus control panel monitors constantly important security system components. When a technical trouble occurs, the keypad will produce an "ATTENTION" beep (SeeTable 2, p. 4) and the *TROUBLE* LED will flash slowly.
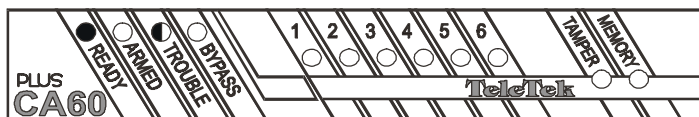
The type of the technical trouble could be detected by pressing **ENTER**. On the display the *READY* LED will flash rapidly and the *TROUBLE* LED will flash slowly. An illuminating LED from the second group will indicate the type of the technical trouble. For more information consult the keypad card with guidelines and if necessary call the engineer.
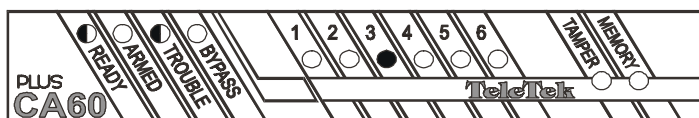
Table 3 Technical Trouble Indication

LIGHTING LED	TECHNICAL TROUBLE
1	Blown fuse F3
2	Blown fuse F2
3	Low battery
4	No power supply 220 V
5	No telephone line
6	Unsuccessful communication

2.5. Event Memory Erasure

If a detector is activated when the system is armed the keypad display will indicate the zone and what kind of alarm event has occurred (See Table 1, p. 3).
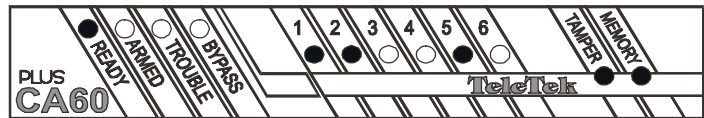
When the system is disarmed this information will remain on the display. When the cause for the alarm event is defined the memory on the display could be erased by entering a valid code.

The alarm events indicated by the illuminating *TAMPER* LED could be erased only by the Master Code.

2.6. Silencing the Alarm

In case of an activating of the security system alarm enter a valid user code to silence the alarm signal. Consult the keypad display for the possible cause.

3. Programming by the User

The user may program certain parameters of the system, concerning its everyday use.
The Programming Mode can be activated only when the security control panel is disarmed.

To enter the Programming Mode press PROG, enter a valid user code and choose an address (The one digit address numbers are shown on Fig. 3). On the display the *READY* LED will flash rapidly.

After entering the data in the chosen address the security panel automatically will return to Day Mode. To program another address repeat the same procedure.
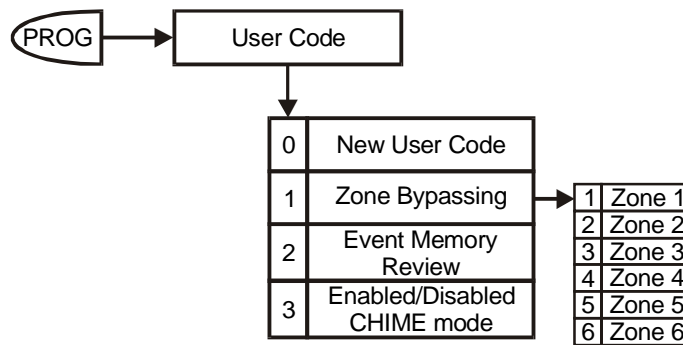
Fig. 3 Programming by User. General diagram

3.1. Personal User Code Change

To change your personal user code press **PROG** and enter your user code. When the code is successfully entered, the keypad will produce a "CONFIRMATION"beep. Press **0**. The keypad will produce a "CONFIRMATION" beep again and the LEDs *3*, *4*, *5* and *6* will illuminate constantly on the display.

Enter your new code carefully. After each entered digit one LED will stop illuminating, which indicates how many digits are waiting to be entered. After the new code is entered the panel will expect you to repeat it for confirmation.

If the first and the repeated code are the same the keypad will produce a "CONFIRMATION" beep and will return to Day Mode.

If the two codes are not the same the keypad will produce a "REJECTION" beep and will return to Day Mode. If the new code repeats already existing code in the system, the keypad will produce a "REJECTION" beep right after the first entering and will return to Day Mode.

If you make a mistake during the process of entering the code press **CLEAR** and reenter the code.

3.2. Zone Bypassing

Zone bypassing is needed when a trouble in certain zone has occurred. When armed the system will secure all the zones except the bypassed ones. Having this in mind it is desirable that this security mode is rarely used.

To bypass a zone press **PROG** and enter your user code. When it is entered successfully the keypad will produce a "CONFIRMATION" beep. Press **1**.

If this operation is not allowed for your code the keypad will produce a "REJECTION" beep and will return to Day Mode.

If the operation is allowed for your code the keypad will produce a "CONFIRMATION" beep. To bypass a zone press the key corresponding to its number.

On the display will illuminate the respective zone LED. You may cancel the process by pressing again the key of the zone number. The LED will not light.
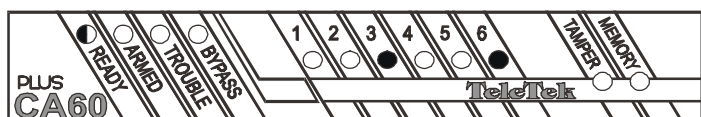
At the end of the procedure on the display should illuminate the LEDs of the zones that you desire to bypass.

Confirm your choice by pressing **ENTER**. The keypad will produce a "CONFIRMATION" beep and will return to Day Mode. On the display will flash slowly the bypassed zones LEDs. The *BYPASS* LED will illuminate constantly.
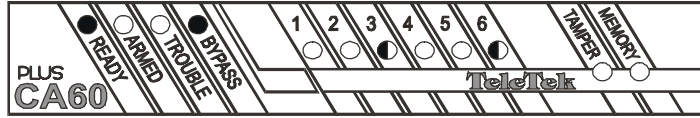
If you choose to cancel the procedure without bypassing zones press **CLEAR**. The keypad will produce a "REJECTION" beep and will return to Day Mode.

The 24 hour armed zones could not be bypassed. If you try to do that the keypad will produce a "REJECTION" beep.

If you bypass all the zones the system will refuse to arm the area.

The zones will remain bypassed until a valid user code is entered or the system is disarmed.

3.3. Event Memory Review

The ÑÀ60Plus security control panel memorizes 255 events. It stores the information about the alarm events from the "Technical Trouble" group, as well as about every arming/disarming of the system and every zone bypassing.

The Event Memory could be reviewed, but not erased.

To review the Event Memory press **PROG** and enter your personal user code. The keypad will produce a "CONFIRMATION" beep. Press **2**.

If this operation is not allowed for your code the keypad will produce a "REJECTION" beep and will return to Day Mode. If this operation is allowed for your code the keypad will produce a "CONFIRMATION" beep. The display will indicate the last event registered in the memory.

To see the previous event press ∀. To see the next event press ∧.

Table 4 contains a description of the registered events.

Table 4 Event Memory Massages Coding

LED	FLASHES	ILLUMINATES
ARMED	Disarming the area. A LED from the second group indicates the number of the user who has disarmed the area.	Arming the area. A LED from the second group indicates the number of the user who has armed the area - if the arming was done by a code.
TROUBLE	Technical Trouble. A LED from the second group specifies the trouble (See Table 3, p.7).	
BYPASS		There are bypassed zones. They are indicated by constantly illuminating LEDs from the second group.
LEDs 1, 2, 3, 4, 5 and 6		Detector Bypassing OR additional to the other indications
TAMPER		TROUBLE in the TAMPER circuit. A LED from the second group specifies the zone where the trouble has occurred
MEMORY		An alarm event has occurred. A LED from the second group specifies the zone.
The "test message by the communicator" event is indicated by all the LEDs flashing rapidly.		

3.4. CHIME Mode

When the CHIME mode signal is enabled, the activating of a detector in every zone, for which this parameter has been chosen, will cause a ringing sound produced by the keypad.

To activate this mode press **PROG** and enter your personal user code. The keypad will produce a "CONFIRMATION" beep. Press **3**.

Pressing any digit key will enable/disable the CHIME mode.

When the CHIME mode is disabled the LEDs from *1* to *6* will not light.
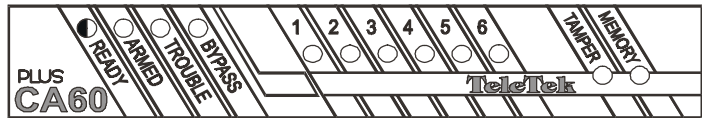
When the CHIME mode is enabled, the LEDs from *1* to *6* will illuminate constantly.
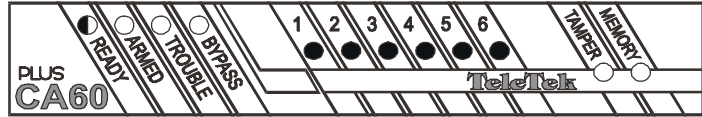
To confirm your choice press **ENTER**. The keypad will produce a "CONFIRMATION" beep and will return to Day Mode.
To cancel your choice press **CLEAR**. The keypad will produce a "REJECTION" beep and will return to Day Mode.

JUST FOR THE RECORD

Customer ....

Address ....

.... Phone ....

Contacts 1. .... Phone ....

            2. .... Phone ....

            3. .... Phone ....

Code .... Installer's Code .... Installation Date ....

Note

....

....

....

....

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....

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Programming Work Sheet

10 Zone Balance   ☐ ALARM   ☐ DUAL

Zone	Zone Type						Attributes						Note
	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST	
11 Zone 1													
12 Zone 2													
13 Zone 3													
14 Zone 4													
15 Zone 5													
16 Zone 6													

Program-mable Outputs	Attributes												Note
	ALARM	PANIC	TAMPER	FIRE	FIRE/RST	ON/OFF	MEDICAL	PS/BYPASS	AC LOSS	BAT LOW	FUSE	POL +/-	
21 PGM 1													
22 PGM 2													
23 PGM 3													
24 SIREN													

30	Exit Time		sec
31	Entry Time		sec
32	Bell Time		min
33	Delay Time		min

40 Arming by Code   ☐ No   ☐ Yes

PROGRAM MENU	ADDRESS		LED 1	LED 2	LED 3	LED 4	LED 5	LED 6
LOOP TYPE	10		DUAL - LED1 to LED6 do not light			ALARM - LED1 to LED6 light		
ZONE 1	11	⋏	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL
ATTRIBUTES ZONE 1		⋎	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST
ZONE 2	12	⋏	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL
ATTRIBUTES ZONE 2		⋎	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST
ZONE 3	13	⋏	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL
ATTRIBUTES ZONE 3		⋎	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST
ZONE 4	14	⋏	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL
ATTRIBUTES ZONE 4		⋎	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST
ZONE 5	15	⋏	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL
ATTRIBUTES ZONE 5		⋎	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST
ZONE 6	16	⋏	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL
ATTRIBUTES ZONE 6		⋎	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST
PGM 1	21	⋏	ALARM	PANIC	TAMPER	FIRE	FIRE/RST	ON/OFF
		⋎	MEDICAL	PS/bypass	AC LOSS	BAT LOW	FUSE	Pol+ / -
PGM 2	22	⋏	ALARM	PANIC	TAMPER	FIRE	FIRE/RST	ON/OFF
		⋎	MEDICAL	PS/bypass	AC LOSS	BAT LOW	FUSE	Pol+ / -
PGM 3	23	⋏	ALARM	PANIC	TAMPER	FIRE	FIRE/RST	ON/OFF
		⋎	MEDICAL	PS/bypass	AC LOSS	BAT LOW	FUSE	Pol+ / -
SIREN OUTPUT	24		ALARM	PANIC	TAMPER	FIRE/ALW		
EXIT TIME	30		0-9 SEC	10-19 SEC	20-29 SEC	30-39 SEC	40-49 SEC	50 - 59 SEC
ENTRY TIME	31		0-9 SEC	10-19 SEC	20-29 SEC	30-39 SEC	40-49 SEC	50 - 59 SEC
BELL TIME	32		1 MIN	2 MIN	3 MIN	4 MIN	5 MIN	6 MIN
BELL DELAY	33		1 MIN	2 MIN	3 MIN	4 MIN	5 MIN	6 MIN
SET WITH CODE	40		NO - LED1 to LED6 do not light			YES - LED1 to LED6 light		
USER CODE 1	41		UNSET	FULSET	PARTSET1	PARTSET2	LOG	BYPASS
USER CODE 2	42		UNSET	FULSET	PARTSET1	PARTSET2	LOG	BYPASS
USER CODE 3	43		UNSET	FULSET	PARTSET1	PARTSET2	LOG	BYPASS
USER CODE 4	44		UNSET	FULSET	PARTSET1	PARTSET2	LOG	BYPASS
USER CODE 5	45		UNSET	FULSET	PARTSET1	PARTSET2	LOG	BYPASS
USER CODE 6	46		UNSET	FULSET	PARTSET1	PARTSET2	LOG	BYPASS
MANGER ACCESS	47		NO - LED1 to LED6 do not light			YES - LED1 to LED6 light		
ENGINEER CODE	50				DIGIT 1	DIGIT 2	DIGIT 3	DIGIT 4
RESET ENABLE	51		NO - LED1 to LED6 do not light			YES - LED1 to LED6 light		
DEFAULT SETTINGS	52		Press the keys from 1 to 6 consequently and confirm by ENTER					
PART. RESET	53		Press the keys from 1 to 6 consequently and confirm by ENTER					
54 to 89 address indication, concerning the communicator parameters, is hexadecimal, the LEDs 3,4,5,6 are used (Lower BIT - LED 6)								
TEL No PC FOR UDL	54		Max phone number lenght 16 symbols, pause=ON+2, DTMF =ON+1					
PC ID FOR UDL	55		4 digits. Default 1234					
PANEL ID FOR UDL	56		4 digits. Default 1234					
CALL BACK	57		NO - LED1 to LED6 do not light			YES - LED1 to LED6 light		
No OF RINGS	58		1 digit. (0 to 9)					
ANSW. MACHINE	59		NO - LED1 to LED6 do not light			YES - LED1 to LED6 light		
TEL No 1	60		Max phone number lenght 16 symbols, pause=ON+2, DTMF =ON+1					
PANEL ID 1	61		3 or 4 digits (depending on the report 3x or 4x)					
REPORT 1	62		The report number included in the applied table is entered					
x1/x2	63		x2 - LED1 to LED6 do not light			x1 - LED1 to LED6 light		
TEL No 2	64		Max phone number lenght 16 symbols, pause=ON+2, DTMF =ON+1					
PANEL ID 2	65		3 or 4 digits (depending on the report 3x or 4x)					
REPORT 2	66		The report number included in the applied table is entered					
x1/x2	67		x2 - LED1 to LED6 do not light			x1 - LED1 to LED6 light		
WAIT DIAL TONE	68		NO - LED1 to LED6 do not light			YES - LED1 to LED6 light		

▨ RESET Parameters

PROGRAM MENU	ADDRESS	LED 1	LED 2	LED 3	LED 4	LED 5	LED 6
CLOCK	70	Clock Settings (HH:MM)					
TEST TIME	71	Test peport time (HH:MM)					
TEST PERIOD	72	Auto reporting(DD)					
TEST CODE	73	TEST code. RESET A value.					
LF DELAY	74	LF delay indication (MM)					
ALARM CODE	80	ALARM Report code. RESET Value 1.					
PANIC CODE	81	PANIC Report code. RESET Value 2.					
TAMPER CODE	82	TAMPER Report code. RESET Value 3.					
FIRE CODE	83	FIRE Report code. RESET Value 4.					
MEDICAL CODE	84	MEDICAL Report code. RESET Value 5.					
BYPASS CODE	85	BYPASS Report code. RESET Value 6.					
ON CODE	86	ON Report code. RESET Value 7.					
OFF CODE	87	OFF Report code. RESET Value 8.					
TROUBLE CODE	88	TROUBLE Report code. RESET Value 9.					
RESTORE CODE	89	RESTORE Report code. RESET Value B.					
WALK TEST	90	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
LED TEST	91						
OUTPUTS TEST	92	PGM1	PGM2	PGM3	SIREN		
COMMUNIC.DISPLAY	93	Dial Tone	Dialing	Wait HS	Send Data	Wait Koff	All Sent
DISPLAY LOG	94	LOG File Review					
Up/Down Load Display	95	Ring	Dialing	Wait Carrier	Send Data	Receive Data	

Value	LEDs Status				Key combination
	LED 3	LED 4	LED 5	LED 6	
0	O	O	O	O	0
1	O	O	O	⊗	1
2	O	O	⊗	O	2
3	O	O	⊗	⊗	3
4	O	⊗	O	O	4
5	O	⊗	O	⊗	5
6	O	⊗	⊗	O	6
7	O	⊗	⊗	⊗	7
8	⊗	O	O	O	8
9	⊗	O	O	⊗	9
A	⊗	O	⊗	O	ON and 0
B	⊗	O	⊗	⊗	ON and 1
C	⊗	⊗	O	O	ON and 2
D	⊗	⊗	O	⊗	ON and 3
E	⊗	⊗	⊗	O	ON and 4
F	⊗	⊗	⊗	⊗	ON and 5

Legend: ⊗ **- light O -** does not light

The combination "ON and 1" means pressing the ON key followed by the 1 key.

RESET CODES:

Master Code	- 0000	User Code 4	- 4444 - no rights
User Code 1	- 1111	User Code 5	- 5555 - no rights
User Code 2	- 2222 - no rights	User Code 6	- 6666 - no rights
User Code 3	- 3333 - no rights	Engineer Code	- 7777

	User Codes	User Code Rights						Note
		UNSET	FULSET	PARTSET 1	PARTSET 2	LOG	BYPASS	
41	USER CODE 1							
42	USER CODE 2							
43	USER CODE 3							
44	USER CODE 4							
45	USER CODE 5							
46	USER CODE 6							

47 Manager access to
  User Code Rights   ☐ No   ☐ Yes

50 Engineer Code   ☐☐☐☐

51 RESET Enable   ☐ No   ☐ Yes

54 PC Phone Number for Up/Down Load ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

55 PC ID for Up/Down Load ☐☐☐☐

56 Panel ID for Up/Down Load ☐☐☐☐

57 Call Back   ☐ No   ☐ Yes

58 Number of Rings for Up/Down Load ☐

59 Answering Machine Override Delay ☐ No   ☐ Yes

60 Primary Phone Number (Phone1) ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

61 Subscriber Account No 1 ☐☐☐☐

62 Communication Report 1 ☐

63 Report Format 1   ☐ x2   ☐ x1

64 Secondary Phone Number (Phone2) ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

65 Subscriber Account No 2 ☐☐☐☐

66 Communication Report 2 ☐

67 Report Format 2   ☐ x2   ☐ x1

68 Wait Dial Tone   ☐ No   ☐ Yes

71 Test Report Time   ☐☐ hour   ☐☐ minutes

72 Auto reporting   ☐☐ days

73 Test Report Code   ☐

74 Line Fault Indication Delay ☐☐ minutes

80 ALARM Report Code   ☐

81 PANIC Report Code   ☐

82 TAMPER Report Code   ☐

83 FIRE Report Code   ☐

84 MEDICAL Report Code   ☐

85 BYPASS Report Code   ☐

86 ARM Report Code   ☐

87 DISARM Report Code   ☐

88 TROUBLE Report Code   ☐

89 RESTORE Report Code   ☐

4. Programming by the Master User (Manager)

The master user (manager) of the system may program certain parameters such as the user codes, the user codes rights, the zone bypassing, the buffer of events review and the personal code change.

To enter the Programming Mode press **PROG**, enter the master code and address (The addresses are two digit numbers as in Fig. 4). The *READY* LED will flash rapidly.
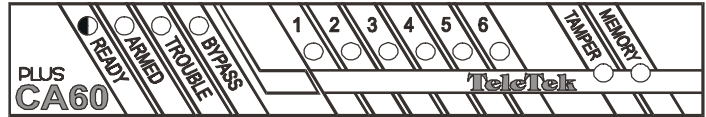
When the data in certain address is entered the security control panel will enter Day Mode automatically. For another address programming the procedure is the same.
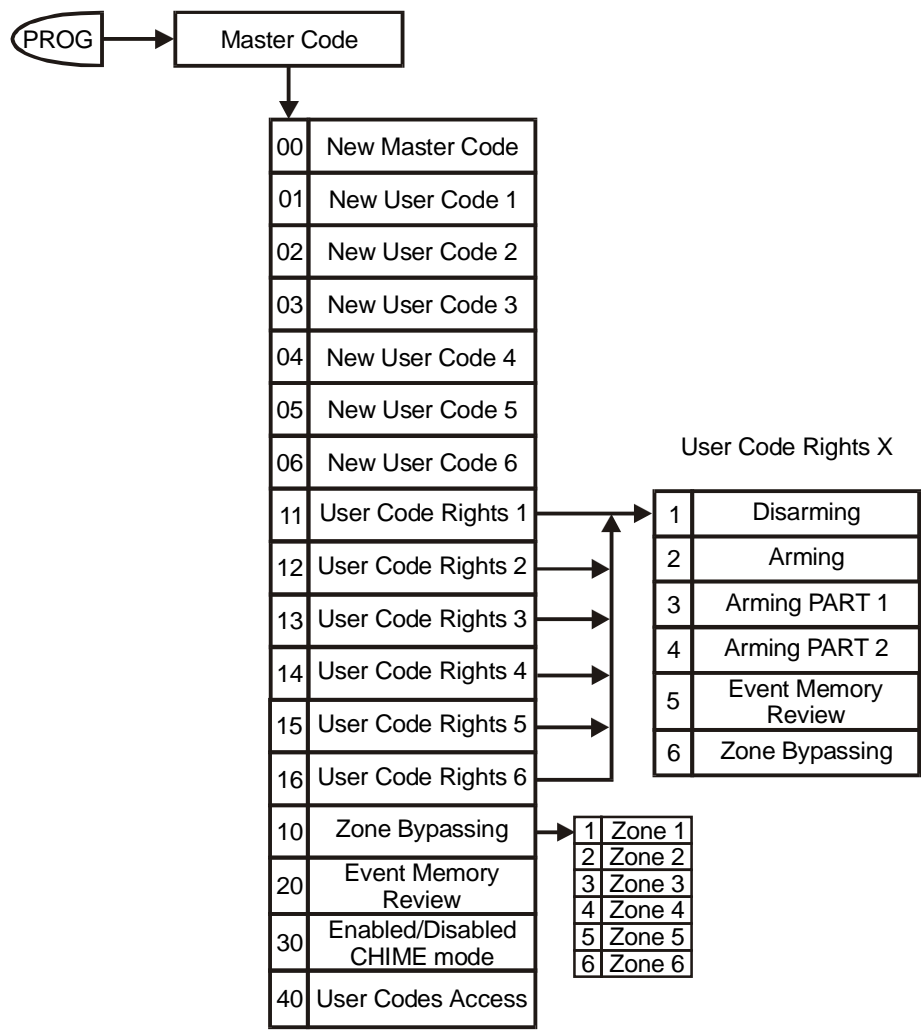
Fig. 4 Programming by The Master User. General Diagram
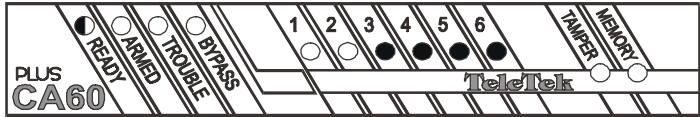
4.1. Master Code Change

To change the master code press **PROG** and enter the master code. When the code is successfully entered the keypad will produce a "CONFIRMATION" beep. Press **0** twice. The keypad will produce the same audible signal.

Enter your new code carefully. After each entered digit one LED will stop illuminating, which indicates how many digits are waiting to be entered. After the new code is entered the panel will expect you to repeat it for confirmation.

If the first and the repeated code are the same the keypad will produce a "CONFIRMATION" beep and will return to Day Mode.

If the two codes are not the same the keypad will produce a "REJECTION" beep and will return to Day Mode. If the new code repeats already existing code in the system the keypad will produce a "REJECTION" beep right after the first entering and will return to Day Mode.

If you make a mistake during the process of entering the code press **CLEAR** and reenter the code.
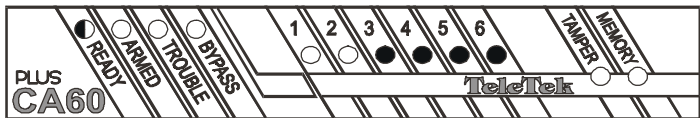
4.2. User Code Change

To change a user code press **PROG** and enter the master code. When the code is successfully entered the keypad will produce a "CONFIRMATION" beep. Enter the address of the desired user code (See Fig. 4). The keypad will produce the same audible signal.

Enter your new code carefully. After each entered digit one LED will stop illuminating, which indicates how many digits are waiting to be entered. After the new code is entered the panel will expect you to repeat it for confirmation.

If the first and the repeated code are the same the keypad will produce a "CONFIRMATION" beep and will return to Day Mode.

If the two codes are not the same the keypad will produce a "REJECTION" beep and will return to Day Mode. If the new code repeats already existing code in the system the keypad will produce a "REJECTION" beep right after the first entering and will return to Day Mode.

If you make a mistake press **CLEAR** and reenter the code.

4.3. User Code Rights Enablement

This procedure is possible only in case the engineer has given the manager the respective right.

It enables with rights to every user code separately. It is possible that a certain code is not given any right or given any combination of rights. Table 5 describes every user code right options.

If a code is not enabled with rights it becomes non-active (See Fig. 4).

To enable an user code with rights press **PROG** and enter the master code. If the code is successfully entered the keypad will produce a "CONFIRMATION" beep. Enter an address having in mind Fig. 4. If the manager is not enabled with an access right the keypad will produce a "REJECTION" beep and will return to Day Mode. If the manager is enabled with an access right the keypad will produce a "CONFIRMATION" beep.
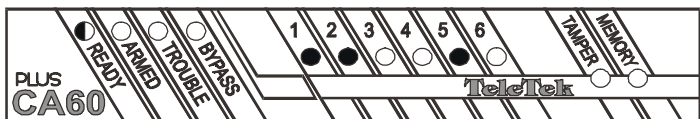
Table 5 User code rights

USER CODE RIGHT	DESCRIPTION
UNSET	Enables the respective user code to disarm the area
FULLSET	Enables the full arming of the area when an user code confirmation is obligatory
PARTSET1	Enables the arming of PART 1 when an user code confirmation is obligatory
PARTSET2	Enables the arming of PART 2 when an user code confirmation is obligatory
LOG reviewing	Enables the respective user code to review the event memory
BYPASS	Enables the respective user code to bypass zones

Having in mind Fig. 4 and Table 5 use the keys from **1** to **6** to enable the desired rights. Every next pressing of the respective key will change alternatively the condition of the enabled right - active or non-active.

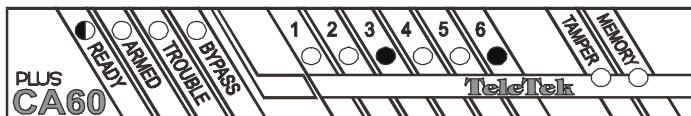At the end of procedure on the display should light only the LEDs of the desired rights.

When you are sure that you have entered the data successfully confirm your choice by pressing **ENTER**. The keypad will produce a "CONFIRMATION" beep and will return to Day Mode.

If you choose to cancel the address changing procedure press **CLEAR**. The keypad will produce a "REJECTION" beep and will return to Day Mode.

4.4. Zone Bypassing

Zone bypassing is needed when a trouble in a certain zone has occurred. When armed the system will secure all the zones except the bypassed ones. Having this in mind it is desirable that this security mode is rarely used.
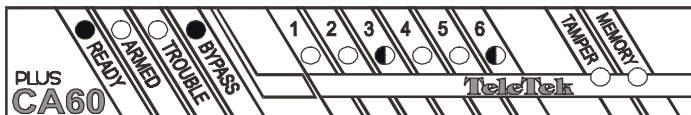
To bypass certain zones press **PROG** and enter the master code. When it is entered successfully the keypad will produce a "CONFIRMATION" beep. Press **1** and **0**. The keypad will produce a "CONFIRMATION" beep again.

Bypass the zones by pressing the digit key corresponding to the zone number. On the display will light the LED of the respective zone. By next pressing of the key the zone LED will stop lighting. At the end of the procedure on the display will remain the LEDs of the zones that are to be bypassed.

The keypad will produce a "CONFIRMATION" beep and will return to Day Mode. On the display the LEDs of the bypassed zones will flash slowly. The *BYPASS* LED will illuminate constantly.

Confirm your choice by pressing **ENTER**. The keypad will produce a "CONFIRMATION" beep and will return to Day Mode. On the display the LEDs of the bypassed zones will flash slowly. The *BYPASS* LED will illuminate.

If you choose to cancel the procedure without bypassing zones press **CLEAR**. The keypad will produce a "REJECTION" beep and will return to Day Mode.

The 24 hour armed zones could not be bypassed. If you try to do that the keypad will produce a "REJECTION" beep

If you bypass all the zones the system will refuse to arm the area.

The zones will remain bypassed until a valid user code is entered or the system is disarmed.

4.5. Event Memory Review

 It stores the information about the alarm events from the "Technical Trouble" group, as well as about every arming/disarming of the system and every zone bypassing.

The Event Memory could be reviewed, but not erased.

To review the Event Memory press **PROG** and enter Master Code. The keypad will produce a "CONFIRMATION" beep.

Press **2** and **0**.

The keypad will produce a "CONFIRMATION" beep. The display will indicate the last event registered in the memory.

To see the previous event press ∀. To see the next event press ⋀.

Table 4 describes the meaning of the registered events.

4.6. CHIME Mode

When the CHIME mode signal is enabled the activating of a detector in every zone, for which this parameter has been chosen, will cause a ringing sound produced by the keypad.
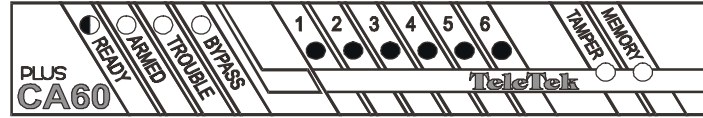
To activate this mode press **PROG** and enter the master code. The keypad will produce a "CONFIRMATION" beep. Press **3** and **0**.

Pressing any digit key will enable/disable the CHIME mode.

When the CHIME mode is disabled the LEDs from *1* to *6* will not light.
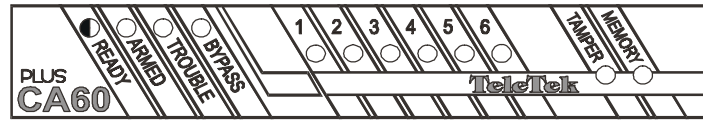
When the CHIME mode is enabled, the LEDs from *1* to *6* will illuminate constantly.

To confirm your choice press **ENTER**. The keypad will produce a "CONFIRMATION" beep and will return to Day Mode.

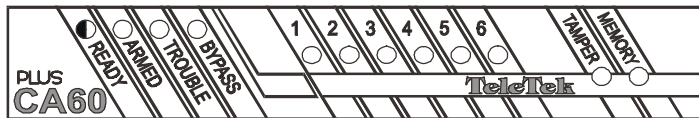To cancel your choice press **CLEAR**. The keypad will produce a "REJECTION" beep and will return to Day Mode.

4.7. User Codes Access

When the USER CODES ACCESS is enabled the user and master codes are visible via Up/Down Load software.

To configure USER CODES ACCESS press **PROG** and enter the master code. The keypad will produce a "CONFIRMATION" beep. Press **4** and **0**.

Pressing any digit key will enable/disable the USER CODES ACCESS.

When the USER CODES ACCESS is enabled the LEDs from *1* to *6* will not light.

When the USER CODES ACCESS is disabled, the LEDs from *1* to *6* will illuminate constantly.
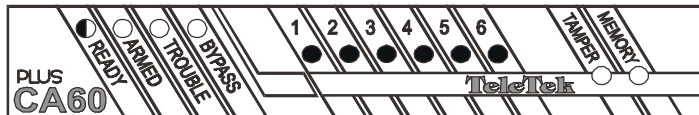
To confirm your choice press **ENTER**. The keypad will produce a "CONFIRMATION" beep and will return to Day Mode.

To cancel your choice press **CLEAR**. The keypad will produce a "REJECTION" beep and will return to Day Mode.

5. Vocabulary

PANIC	Alarm System condition activated by the user in case of an attack.
PART 1, PART2	Initially determined parts of the system that may include from 1 up to 6 zones. They are used for arming a part of the secured area without a necessity of bypassing the rest of the zones.
Alarm	Activating of the system siren
Alarm Event	An event in the security system that causes a siren activating
TAMPER	All the system components (detectors, control panel, keyad and siren) are monitored constantly by the system. In case of an intervention in any of them - regardless the operating mode - the siren is activated and a visual indication occurs on the keypad.
Entry Route	The route that should be used for area acces under Security Mode.
Entry Time	The time needed for disarming the system by entering a valid code
Master User (MANAGER)	A stuff member with the necessary knowledge and abilities to manage and program the system
READY	The security panel condition that allows the system to be armed
Day Mode (DISARMED)	In this mode the security panel activates the alarm only in case of an attack, fire or TAMPER
BYPASS	An operation which bypasses one or several zones. The next time the system enters the Security Mode, all the zones except the bypassed ones will be armed
Zone	A part of the secured premises where the detectors are situated
Exit Route	The route that should be used for exiting the area under Security Mode.
Exit time	The time needed for leaving the area after the system has been armed
Engineer	A qualified member of the engineering company
CHIME Mode	A ringing audible signal from the keypad in Day Mode when certain detectors in initially determined zones have been activated
Code	A combination of four digits that should be entered on the keypad for operating with the security panel
Rejection	Cancelling an user activity by pressing **CLEAR or from the security panel**. It is accompanied by an audible signal
Event Memory	When an alarm event has occurred in the system the security panel will memorize its properties
Arming	An activity that changes the condition of the system from Day Mode to Security Mode
Confirmation	Confirming of an user activity by pressing **ENTER or from the security panel**. It is accompanied by an audible signal
User	A person who uses the security panel daily
Code rights	A list of activities performed by the system after entering a code
Security Mode (ARMED)	The control panel is functioning and the system is armed
Disarming	An activity that changes the condition of the system from Security Mode to Day Mode
Event	Every change in the condition of the security panel is called "event". i. e. activating of a detector, technical trouble, Tamper trouble, arming/disarming the area, etc.
TROUBLE	The control panel monitors constantly important security system components. In case of a trouble in any of the components, the keypad display will probably specify the information
False Alarm	Activating the alarm of the secutity panel that is not caused by a real intervention in the secured area or by an attempt to cause a damage in the system

RESET CODES:

Master Code   - 0000
User Code 1   - 1111
User Code 2   - 2222 - no rights
User Code 3   - 3333 - no rights
User Code 4   - 4444 - no rights
User Code 5   - 5555 - no rights
User Code 6   - 6666 - no rights
Engineer Code   - 7777

Appendix A

The LED61 keypad fulfills all functions of the other design LED keypad and it is compatible with all software versions of the control panel CA60 plus.

The LED indicators are divided into two columns- one for the service indications and the second one for the zone indications. The indications are compatible by functions with these which are described in the Instruction, as:

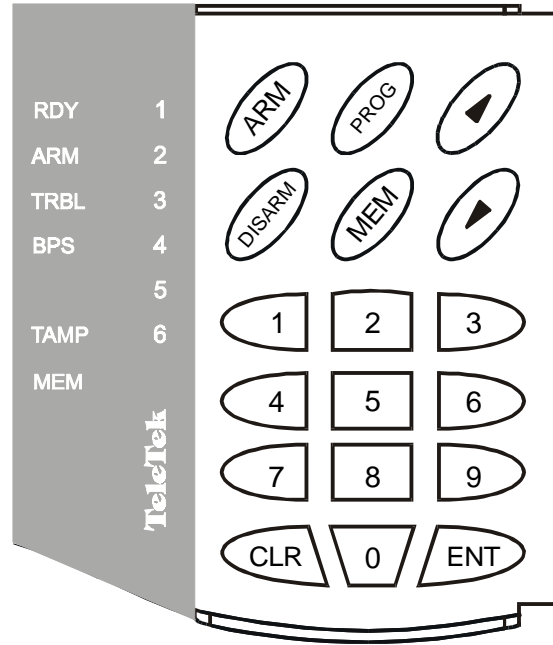LED **RDY** corresponds to the LED **READY**

LED **ARM** corresponds to the LED **ARMED**

LED **TRBL** corresponds to the LED **TROUBLE**

LED **BPS** corresponds to the LED **BYPASS**

LED **TAMP** corresponds to the LED **TAMPER**

LED **MEM** corresponds to the LED **MEMORY**.

The keypad buttons are divided into two groups – functional and digital.

The functional buttons of two keypads are compatible as follows:

Push-button **ARM** is compatible to the push - button **ON**. All functions with push – button **ON** from the old keypad have to be completed with push-button **ARM**.

Push-button **PROG** is compatible to the push - button **PROG**

Push-button **DISARM** is not used.

Push-button **MEM** is not used.

Push-button **CLR** is compatible to the push - button **CLEAR**.

Push-button **ENT** is compatible to the push - button **ENTER**.

PROGRAMMING FORM
(to be filled in by the installer)

| 10 | Zone Balance | ☐ ALARM | ☐ DUAL |

Zone	Zone Type						Attributes						Note
	Entry/Exit	ALARM	PANIC	TAMPER	FIRE	MEDICAL	FOLLOW	DOUBLE	PART1	PART2	CHIME	FAST	
11 Zone 1													
12 Zone 2													
13 Zone 3													
14 Zone 4													
15 Zone 5													
16 Zone 6													

Program-mable Outputs	Attributes												Note
	ALARM	PANIC	TAMPER	FIRE	FIRE/RST	ON/OFF	MEDICAL	PS/BYPASS	AC LOSS	BAT LOW	FUSE	POL +/-	
21 PGM 1													
22 PGM 2													
23 PGM 3													
24 SIREN													

30	Exit Time	sec
31	Entry Time	sec
32	Bell Time	min
33	Delay Time	min

| 40 | Arming by Code | ☐ No | ☐ Yes |

User Codes	User Code Rights						Note
	UNSET	FULSET	PARTSET 1	PARTSET 2	LOG	BYPASS	
41 USER CODE 1							
42 USER CODE 2							
43 USER CODE 3							
44 USER CODE 4							
45 USER CODE 5							
46 USER CODE 6							

| 47 | Manager access to User Code Rights | ☐ No | ☐ Yes |

54	PC Phone Number for Up/Down Load	☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
55	PC ID for Up/Down Load	☐☐☐
56	Panel ID for Up/Down Load	☐☐☐
57	Call Back	☐ No ☐ Yes
58	Number of Rings for Up/Down Load	☐
59	Answering Machine Override Delay	☐ No ☐ Yes
60	Primary Phone Number (Phone1)	☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
61	Subscriber Account No 1	☐☐☐
62	Communication Report 1	☐
63	Report Format 1	☐ x2 ☐ x1
64	Secondary Phone Number (Phone2)	☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐
65	Subscriber Account No 2	☐☐☐
66	Communication Report 2	☐
67	Report Format 2	☐ x2 ☐ x1
68	Wait Dial Tone	☐ No ☐ Yes
71	Test Report Time	☐☐ hour ☐☐ minutes
72	Auto reporting	☐☐ days
73	Test Report Code	☐
74	Line Fault Indication Delay	☐☐ minutes
80	ALARM Report Code	☐
81	PANIC Report Code	☐
82	TAMPER Report Code	☐
83	FIRE Report Code	☐
84	MEDICAL Report Code	☐
85	BYPASS Report Code	☐
86	ARM Report Code	☐
87	DISARM Report Code	☐
88	TROUBLE Report Code	☐
89	RESTORE Report Code	☐

NOTE:

WARRANTY

Warranty conditions for the CA60 plus may vary from country to country. Please consult your local dealer for complete waranty information. In all cases, the warranty does not cover malfunctions arising from installer error or failure to follow installation/operation instructions, nor does it aplly to damages due to causes beyond the control of TeleTek Ltd., such as lighting, excessive voltage, mechanical shock or water damage.

LIABILITY

Under no circumstances shall TeleTek Ltd. be held liable for any direct or indirect damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation, operation or failure of this product.

WARNING

This security system should undegro frequent testing. however, despite regular testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

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